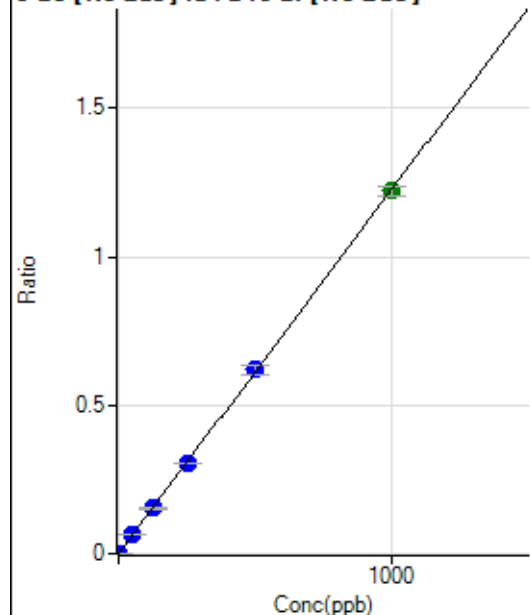


Batch Folder: D:\P8082517-MS.b\  
Analysis File: P8082517-MS.batch.bin  
DA Date-Time: 2017-08-25 14:56:40  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2017-08-25 11:36:32 |
| 2     |                    |             |                     |
| 3     | 005CALS.d          | S02         | 2017-08-25 11:43:41 |
| 4     | 006CALS.d          | S03         | 2017-08-25 11:47:10 |
| 5     | 007CALS.d          | S04         | 2017-08-25 11:50:38 |
| 6     | 008CALS.d          | S05         | 2017-08-25 11:54:01 |
| 7     | 009CALS.d          | S06         | 2017-08-25 11:57:18 |
| 8     | 010CALS.d          | S07         | 2017-08-25 12:00:31 |
| 9     | 011CALS.d          | S08         | 2017-08-25 12:03:38 |

**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      | 100.00     | 0.0001 | P    | 20.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.867      | 1100.08    | 0.0012 | P    | 9.5  |
| 4 | <input type="checkbox"/> | 50.000   | 50.450     | 59209.01   | 0.0619 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 124.227    | 147480.94  | 0.1524 | P    | 1.7  |
| 6 | <input type="checkbox"/> | 250.000  | 249.385    | 296768.01  | 0.3057 | P    | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 506.150    | 594226.93  | 0.6204 | P    | 5.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.153    | 1185147.77 | 1.2222 | A    | 2.7  |
| 9 | <input type="checkbox"/> |          |            | 392.61     | 0.0004 | P    | 15.4 |

$$y = 0.0012 * x + 1.0839E-004$$

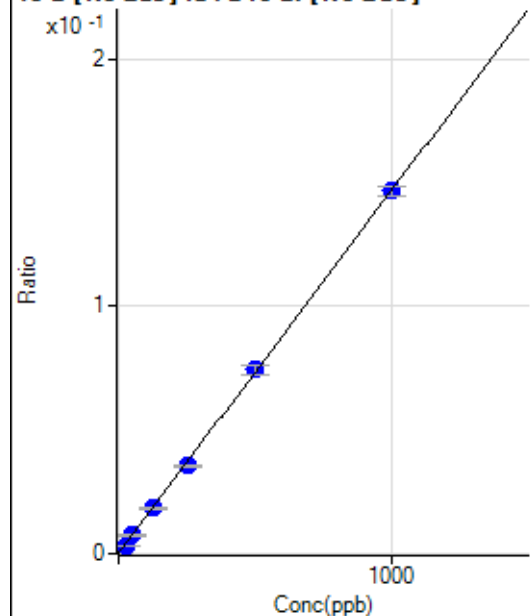
$$R = 1.0000$$

$$DL = 0.05547$$

$$BEC = 0.08844$$

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      | 119.45    | 0.0001 | P    | 44.3 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 20.850     | 2997.66   | 0.0032 | P    | 4.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.637     | 7088.15   | 0.0074 | P    | 2.4  |
| 5 | <input type="checkbox"/> | 125.000  | 124.232    | 17772.67  | 0.0184 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 250.000  | 242.036    | 34601.14  | 0.0356 | P    | 2.3  |
| 7 | <input type="checkbox"/> | 500.000  | 505.942    | 71213.66  | 0.0744 | P    | 6.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.238    | 142310.24 | 0.1468 | P    | 3.0  |
| 9 | <input type="checkbox"/> |          |            | 4545.37   | 0.0048 | P    | 4.8  |

$$y = 1.4675E-004 * x + 1.2897E-004$$

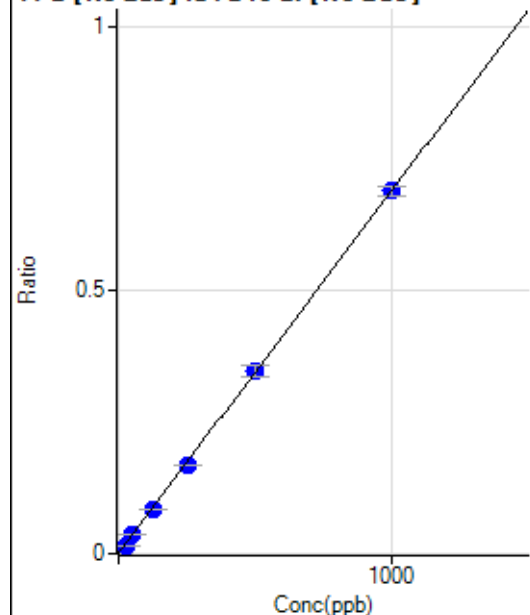
$$R = 0.9999$$

$$DL = 1.167$$

$$BEC = 0.8789$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 775.05    | 0.0008 | P    | 7.4 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 25.000   | 20.922     | 14299.41  | 0.0152 | P    | 4.3 |
| 4 | <input type="checkbox"/> | 50.000   | 50.007     | 33643.10  | 0.0352 | P    | 3.0 |
| 5 | <input type="checkbox"/> | 125.000  | 121.606    | 81707.86  | 0.0844 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 242.454    | 162527.23 | 0.1674 | P    | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 504.491    | 332746.14 | 0.3475 | P    | 5.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.167   | 667257.47 | 0.6881 | P    | 2.6 |
| 9 | <input type="checkbox"/> |          |            | 21099.69  | 0.0224 | P    | 4.9 |

$$y = 6.8715E-004 * x + 8.3886E-004$$

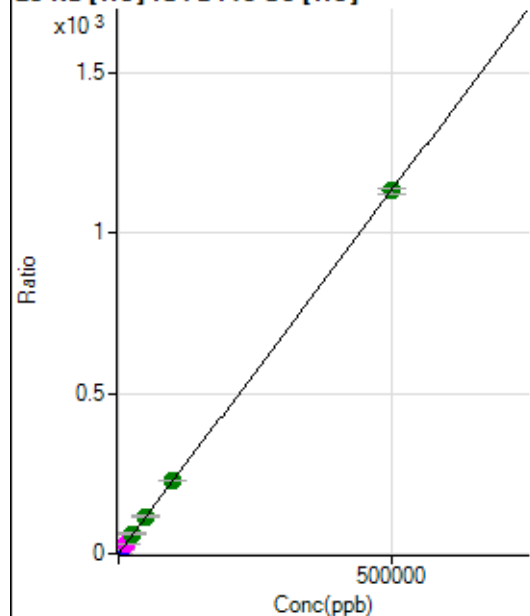
$$R = 0.9999$$

$$DL = 0.27$$

$$BEC = 1.221$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3945.18     | 0.1174    | P    | 6.4 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |           |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 454.265    | 40558.60    | 1.1474    | P    | 0.8 |
| 4 | <input type="checkbox"/> | 5000.000  | 5187.031   | 412287.96   | 11.8783   | P    | 3.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 12504.449  | 1028130.64  | 28.4696   | M    | 1.4 |
| 6 | <input type="checkbox"/> | 25000.000 | 27361.747  | 2095803.30  | 62.1566   | A    | 7.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 51493.643  | 3965231.90  | 116.8726  | A    | 0.7 |
| 8 | <input type="checkbox"/> | 100000.00 | 100572.54  | 7635030.56  | 228.1526  | A    | 0.7 |
| 9 | <input type="checkbox"/> | 500000.00 | 499616.10  | 38086194.60 | 1,132.932 | A    | 1.4 |

$$y = 0.0023 * x + 0.1174$$

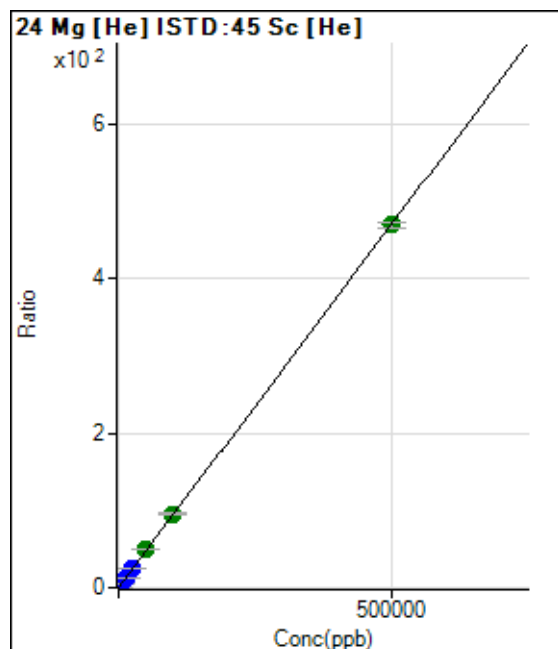
$$R = 1.0000$$

$$DL = 9.928$$

$$BEC = 51.78$$

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      | 133.34      | 0.0040   | P    | 14.2 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 445.203    | 14930.61    | 0.4223   | P    | 2.6  |
| 4 | <input type="checkbox"/> | 5000.000  | 5246.066   | 171249.81   | 4.9339   | P    | 3.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 12542.284  | 425808.88   | 11.7904  | P    | 0.3  |
| 6 | <input type="checkbox"/> | 25000.000 | 26619.080  | 843694.95   | 25.0188  | P    | 7.5  |
| 7 | <input type="checkbox"/> | 50000.000 | 52483.031  | 1673451.97  | 49.3239  | A    | 0.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 101721.27  | 3198716.48  | 95.5947  | A    | 1.6  |
| 9 | <input type="checkbox"/> | 500000.00 | 499323.02  | 15774035.77 | 469.2336 | A    | 1.6  |

$$y = 9.3973\text{E-}004 * x + 0.0040$$

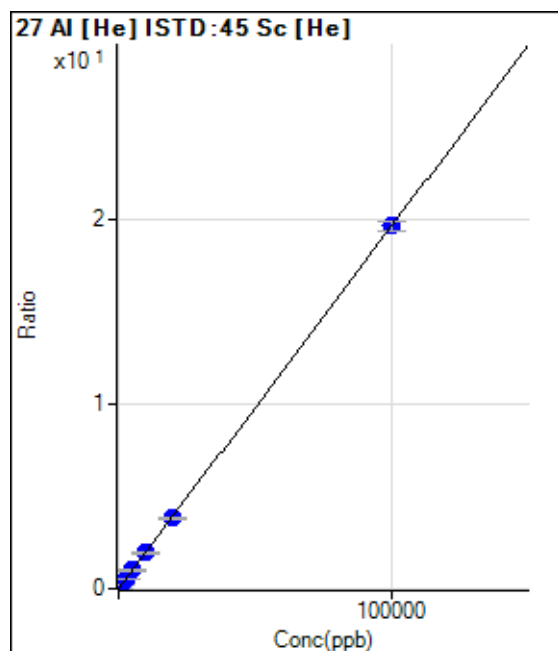
$$R = 1.0000$$

$$DL = 1.803$$

$$BEC = 4.229$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS       | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-----------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 25.00     | 0.0007  | P    | 85.9 |
| 2 | <input type="checkbox"/> | 2.000     |            |           |         |      |      |
| 3 | <input type="checkbox"/> | 20.000    | 17.097     | 144.45    | 0.0041  | P    | 12.0 |
| 4 | <input type="checkbox"/> | 1000.000  | 995.969    | 6821.36   | 0.1964  | P    | 6.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2401.436   | 17066.49  | 0.4726  | P    | 0.3  |
| 6 | <input type="checkbox"/> | 5000.000  | 5123.573   | 33966.79  | 1.0074  | P    | 7.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9826.251   | 65527.06  | 1.9314  | P    | 1.3  |
| 8 | <input type="checkbox"/> | 20000.000 | 19530.527  | 128415.72 | 3.8380  | P    | 2.5  |
| 9 | <input type="checkbox"/> | 100000.00 | 100107.59  | 661195.04 | 19.6697 | P    | 2.5  |

$$y = 1.9648\text{E-}004 * x + 7.2752\text{E-}004$$

$$R = 1.0000$$

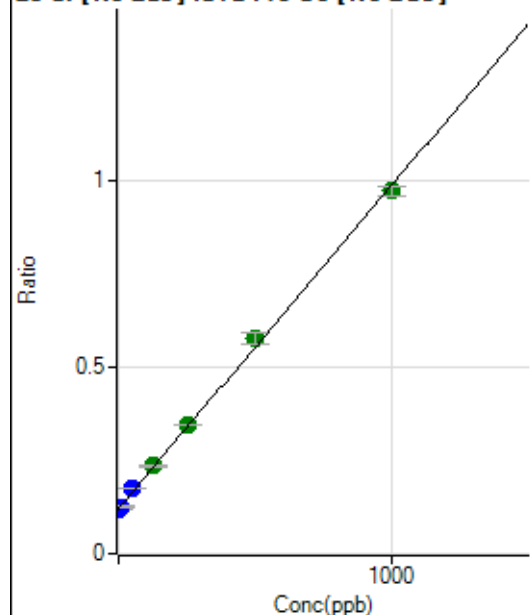
$$DL = 9.541$$

$$BEC = 3.703$$

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      | 456627.49  | 0.1211 | P    | 1.8 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 10.000   | 5.765      | 484818.48  | 0.1261 | P    | 0.7 |
| 4 | <input type="checkbox"/> | 50.000   | 61.917     | 675786.83  | 0.1748 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 131.672    | 909933.69  | 0.2353 | A    | 1.7 |
| 6 | <input type="checkbox"/> | 250.000  | 257.258    | 1348982.58 | 0.3442 | A    | 0.3 |
| 7 | <input type="checkbox"/> | 500.000  | 527.488    | 2172685.10 | 0.5785 | A    | 5.0 |
| 8 | <input type="checkbox"/> | 1000.000 | 983.054    | 3641472.35 | 0.9736 | A    | 2.3 |
| 9 | <input type="checkbox"/> |          |            | 908425.36  | 0.2508 | P    | 6.1 |

$$y = 8.6714\text{E-}004 * x + 0.1211$$

$$R = 0.9993$$

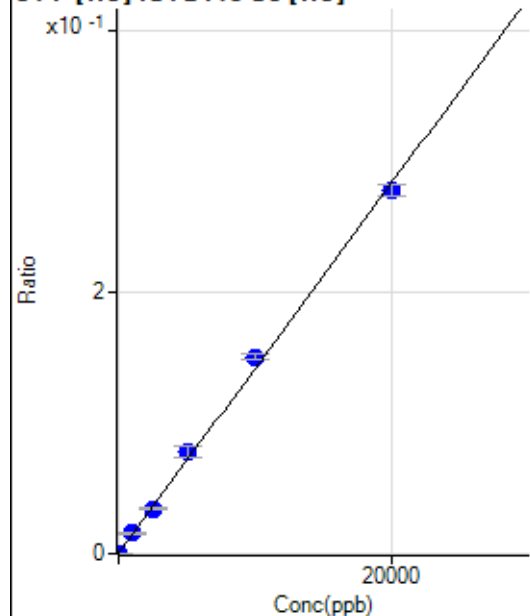
$$DL = 7.614$$

$$BEC = 139.7$$

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     | -2.393     | 5.55    | 0.0002 | P    | 86.9 |
| 2 | <input type="checkbox"/> | 0.000     |            |         |        |      |      |
| 3 | <input type="checkbox"/> | 0.000     | 2.393      | 8.33    | 0.0002 | P    | 99.6 |
| 4 | <input type="checkbox"/> | 1000.000  | 1084.708   | 541.70  | 0.0156 | P    | 6.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2384.998   | 1227.88 | 0.0340 | P    | 4.1  |
| 6 | <input type="checkbox"/> | 5000.000  | 5506.984   | 2636.47 | 0.0783 | P    | 10.3 |
| 7 | <input type="checkbox"/> | 10000.000 | 10599.925  | 5103.93 | 0.1504 | P    | 2.8  |
| 8 | <input type="checkbox"/> | 20000.000 | 19583.431  | 9297.90 | 0.2778 | P    | 3.3  |
| 9 | <input type="checkbox"/> |           |            | 11.11   | 0.0003 | P    | 114. |

$$y = 1.4173\text{E-}005 * x + 2.0162\text{E-}004$$

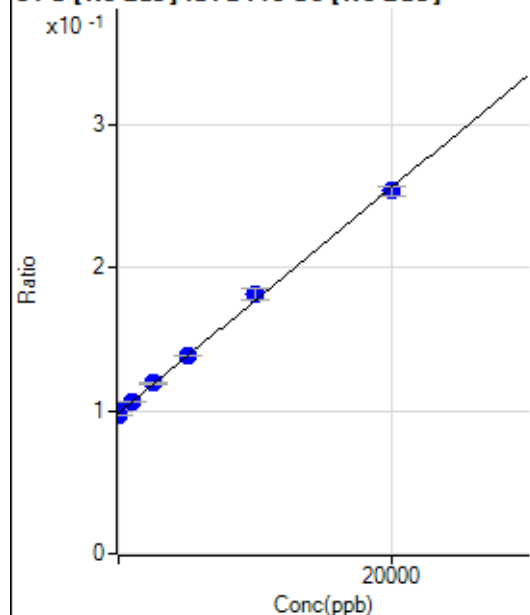
$$R = 0.9989$$

$$DL = 40.26$$

$$BEC = 14.23$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 218.037    | 377869.57 | 0.1002 | P    | 1.1 |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 0.000     | -218.037   | 372077.78 | 0.0968 | P    | 0.3 |
| 4 | <input type="checkbox"/> | 1000.000  | 973.231    | 410470.22 | 0.1062 | P    | 0.6 |
| 5 | <input type="checkbox"/> | 2500.000  | 2610.951   | 460511.03 | 0.1191 | P    | 1.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5088.216   | 543251.36 | 0.1386 | P    | 0.6 |
| 7 | <input type="checkbox"/> | 10000.000 | 10561.930  | 682735.10 | 0.1818 | P    | 4.3 |
| 8 | <input type="checkbox"/> | 20000.000 | 19684.451  | 948714.88 | 0.2536 | P    | 2.4 |
| 9 | <input type="checkbox"/> |           |            | 362454.25 | 0.1000 | P    | 2.5 |

$$y = 7.8812\text{E-}006 * x + 0.0985$$

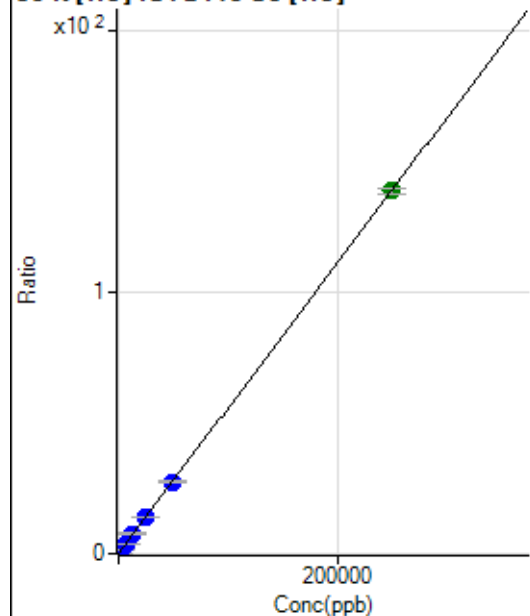
$$R = 0.9992$$

$$DL = 272.7$$

$$BEC = 1.25\text{E+}04$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 3131.05    | 0.0931   | P    | 5.8 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 450.363    | 12116.83   | 0.3428   | P    | 0.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2709.996   | 55371.22   | 1.5955   | P    | 4.6 |
| 5 | <input type="checkbox"/> | 6250.000  | 6467.319   | 132847.26  | 3.6786   | P    | 1.0 |
| 6 | <input type="checkbox"/> | 12500.000 | 13675.801  | 258794.88  | 7.6750   | P    | 7.7 |
| 7 | <input type="checkbox"/> | 25000.000 | 25551.364  | 483768.74  | 14.2587  | P    | 0.8 |
| 8 | <input type="checkbox"/> | 50000.000 | 49239.784  | 916556.59  | 27.3916  | P    | 1.5 |
| 9 | <input type="checkbox"/> | 250000.00 | 250030.68  | 4662893.73 | 138.7098 | A    | 1.9 |

$$y = 5.5440\text{E-}004 * x + 0.0931$$

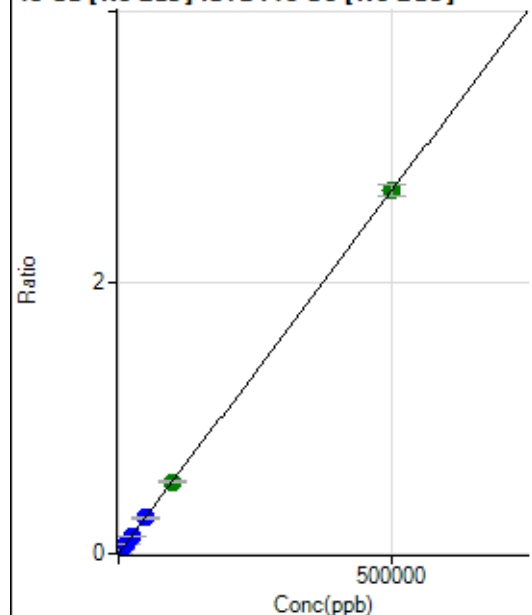
$$R = 1.0000$$

$$DL = 29.22$$

$$BEC = 167.9$$

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. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1811.32    | 0.0005 | P    | 11.7 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 441.588    | 10938.05   | 0.0028 | P    | 3.8  |
| 4 | <input type="checkbox"/> | 5000.000  | 4942.499   | 104187.48  | 0.0270 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 12500.000 | 12431.720  | 259332.24  | 0.0671 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 25000.000 | 24445.339  | 514998.06  | 0.1314 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 50000.000 | 49765.064  | 1002846.22 | 0.2670 | P    | 4.8  |
| 8 | <input type="checkbox"/> | 100000.00 | 98511.620  | 1975001.78 | 0.5281 | A    | 3.1  |
| 9 | <input type="checkbox"/> | 500000.00 | 500351.24  | 9710294.49 | 2.6803 | A    | 3.3  |

$$y = 5.3558\text{E-}006 * x + 4.8062\text{E-}004$$

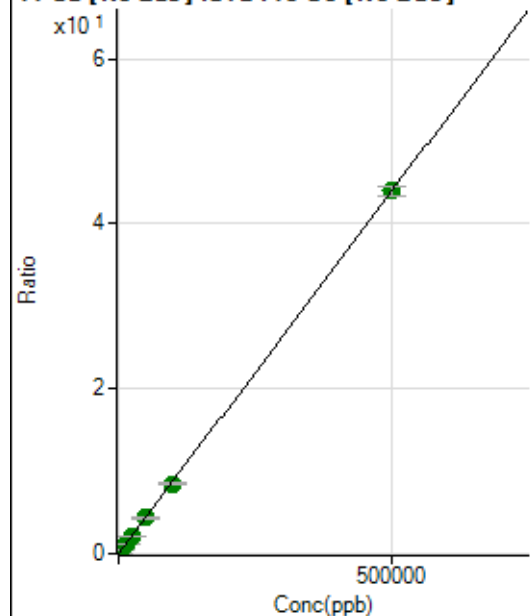
$$R = 1.0000$$

$$DL = 31.59$$

$$BEC = 89.74$$

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. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 32747.58    | 0.0087  | P    | 1.6 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |         |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 433.310    | 179649.90   | 0.0467  | P    | 0.3 |
| 4 | <input type="checkbox"/> | 5000.000  | 5040.359   | 1744544.79  | 0.4513  | A    | 1.4 |
| 5 | <input type="checkbox"/> | 12500.000 | 12445.636  | 4259716.42  | 1.1015  | A    | 0.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 24521.938  | 8473113.21  | 2.1620  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 49815.361  | 16462428.67 | 4.3830  | A    | 4.7 |
| 8 | <input type="checkbox"/> | 100000.00 | 96521.147  | 31732369.11 | 8.4843  | A    | 2.6 |
| 9 | <input type="checkbox"/> | 500000.00 | 500739.16  | 159340906.3 | 43.9790 | A    | 2.9 |

$$y = 8.7811\text{E-}005 * x + 0.0087$$

$$R = 1.0000$$

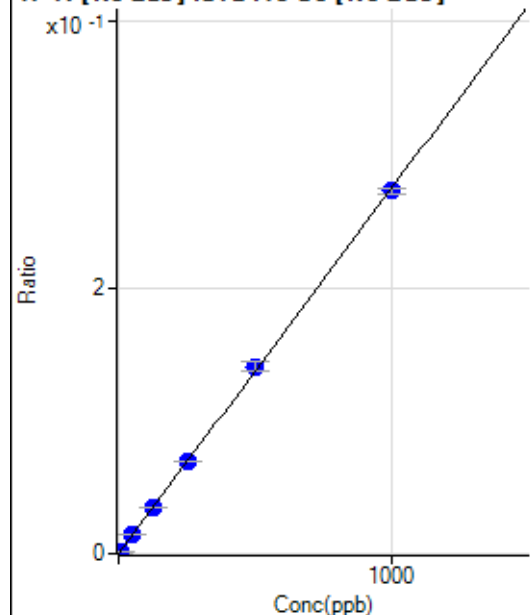
$$DL = 4.893$$

$$BEC = 98.91$$

Weight: &lt;None&gt;

Min Conc: 0

47 Ti [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      | 130.56     | 0.0000 | P   | 42.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.413      | 4792.69    | 0.0012 | P   | 0.4  |
| 4 | <input type="checkbox"/> | 50.000   | 50.692     | 53952.21   | 0.0140 | P   | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 126.240    | 134209.82  | 0.0347 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 251.279    | 270610.88  | 0.0690 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 512.907    | 529185.29  | 0.1409 | P   | 5.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.040    | 1020317.59 | 0.2728 | P   | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 772.28     | 0.0002 | P   | 9.3  |

$$y = 2.7465E-004 * x + 3.4689E-005$$

$$R = 0.9999$$

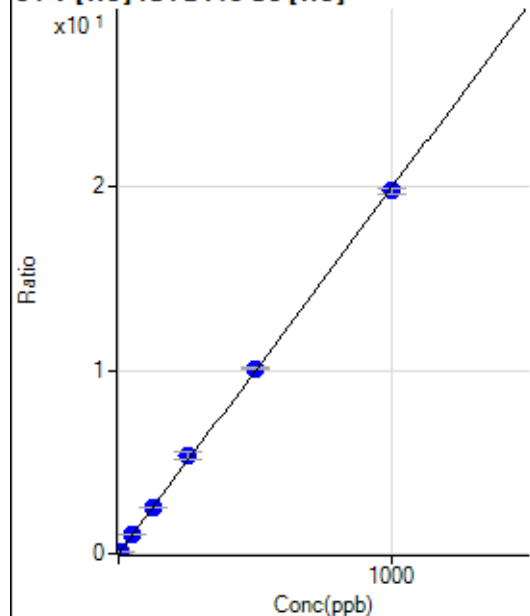
$$DL = 0.1592$$

$$BEC = 0.1263$$

Weight: &lt;None&gt;

Min Conc: 0

51 V [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      | 12.22     | 0.0004  | P   | 86.8 |
| 2 | <input type="checkbox"/> | 0.500    |            |           |         |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.577      | 3239.31   | 0.0917  | P   | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 52.425     | 36296.05  | 1.0460  | P   | 4.5  |
| 5 | <input type="checkbox"/> | 125.000  | 125.696    | 90549.25  | 2.5073  | P   | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 266.342    | 179142.53 | 5.3124  | P   | 7.5  |
| 7 | <input type="checkbox"/> | 500.000  | 506.343    | 342637.71 | 10.0990 | P   | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.537    | 662368.09 | 19.7958 | P   | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 265.56    | 0.0079  | P   | 3.4  |

$$y = 0.0199 * x + 3.6755E-004$$

$$R = 0.9998$$

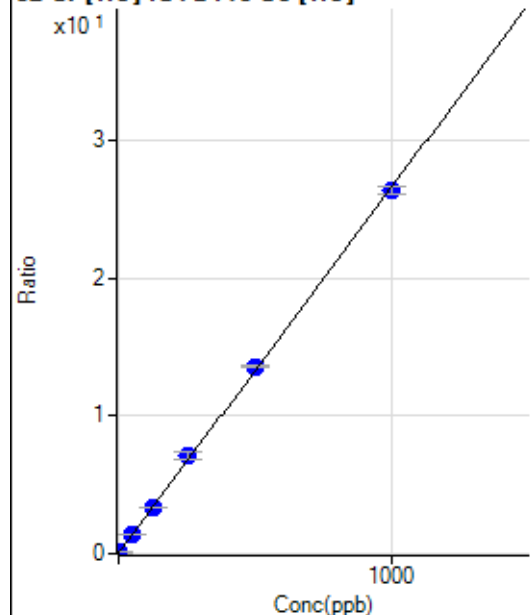
$$DL = 0.04801$$

$$BEC = 0.01843$$

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      | 771.14    | 0.0230  | P   | 15.7 |
| 2 | <input type="checkbox"/> | 0.200    |            |           |         |     |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.986      | 2679.19   | 0.0758  | P   | 1.3  |
| 4 | <input type="checkbox"/> | 50.000   | 52.981     | 49661.31  | 1.4311  | P   | 4.4  |
| 5 | <input type="checkbox"/> | 125.000  | 126.695    | 122441.05 | 3.3902  | P   | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 267.096    | 240143.49 | 7.1216  | P   | 7.6  |
| 7 | <input type="checkbox"/> | 500.000  | 509.802    | 460467.83 | 13.5720 | P   | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 990.464    | 881538.98 | 26.3465 | P   | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 3979.52   | 0.1184  | P   | 3.2  |

$$y = 0.0266 * x + 0.0230$$

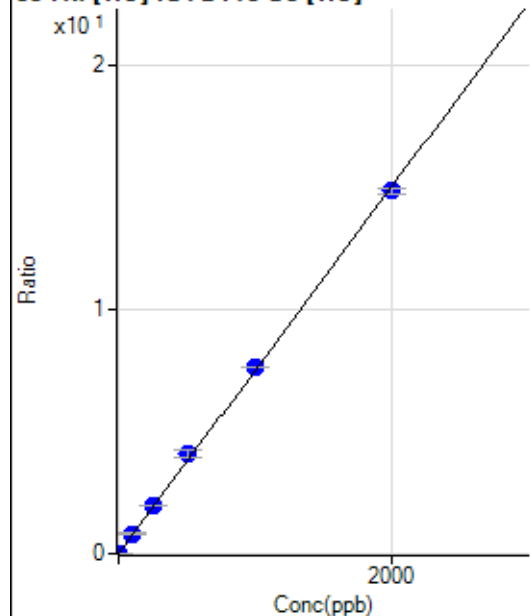
$$R = 0.9998$$

$$DL = 0.4085$$

$$BEC = 0.8655$$

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      | 85.56     | 0.0025  | P   | 23.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |         |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.904      | 330.01    | 0.0093  | P   | 1.5  |
| 4 | <input type="checkbox"/> | 100.000  | 108.111    | 28290.06  | 0.8149  | P   | 3.4  |
| 5 | <input type="checkbox"/> | 250.000  | 257.934    | 70088.20  | 1.9407  | P   | 0.3  |
| 6 | <input type="checkbox"/> | 500.000  | 542.394    | 137556.94 | 4.0782  | P   | 7.0  |
| 7 | <input type="checkbox"/> | 1000.000 | 1018.331   | 259697.39 | 7.6544  | P   | 0.6  |
| 8 | <input type="checkbox"/> | 2000.000 | 1978.839   | 497610.19 | 14.8718 | P   | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 1264.53   | 0.0376  | P   | 10.1 |

$$y = 0.0075 * x + 0.0025$$

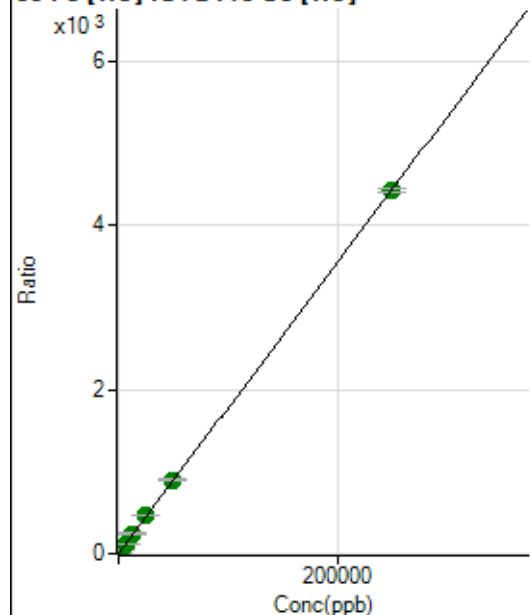
$$R = 0.9997$$

$$DL = 0.2338$$

$$BEC = 0.3386$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio     | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 1639.04     | 0.0488    | P    | 5.5 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |           |      |     |
| 3 | <input type="checkbox"/> | 50.000    | 46.524     | 30871.76    | 0.8733    | P    | 1.7 |
| 4 | <input type="checkbox"/> | 2500.000  | 2776.878   | 1709892.29  | 49.2661   | A    | 3.7 |
| 5 | <input type="checkbox"/> | 6250.000  | 6547.304   | 4192712.83  | 116.0930  | A    | 0.2 |
| 6 | <input type="checkbox"/> | 12500.000 | 13792.829  | 8248805.05  | 244.5124  | A    | 6.6 |
| 7 | <input type="checkbox"/> | 25000.000 | 26348.854  | 15846133.57 | 467.0551  | A    | 0.6 |
| 8 | <input type="checkbox"/> | 50000.000 | 50880.012  | 30174952.52 | 901.8446  | A    | 2.1 |
| 9 | <input type="checkbox"/> | 250000.00 | 249614.27  | 148734781.1 | 4,424.204 | A    | 1.1 |

$$y = 0.0177 * x + 0.0488$$

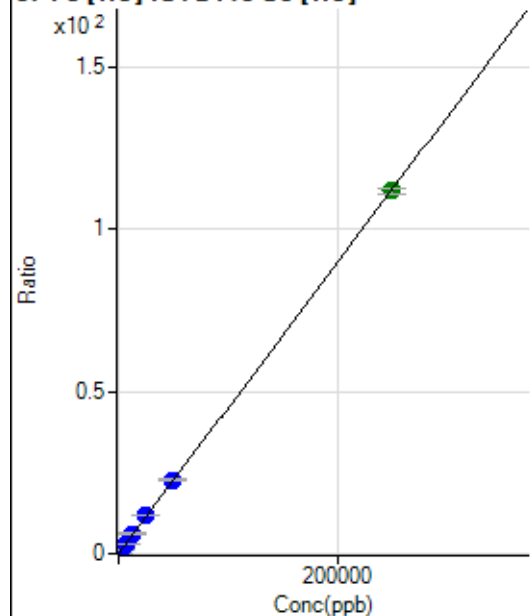
$$R = 1.0000$$

$$DL = 0.4555$$

$$BEC = 2.751$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 61.11      | 0.0018   | P    | 14.3 |
| 2 | <input type="checkbox"/> | 5.000     |            |            |          |      |      |
| 3 | <input type="checkbox"/> | 50.000    | 45.119     | 777.82     | 0.0220   | P    | 3.1  |
| 4 | <input type="checkbox"/> | 2500.000  | 2732.400   | 42491.22   | 1.2240   | P    | 2.7  |
| 5 | <input type="checkbox"/> | 6250.000  | 6476.239   | 104684.53  | 2.8986   | P    | 0.6  |
| 6 | <input type="checkbox"/> | 12500.000 | 13772.731  | 207901.67  | 6.1622   | P    | 6.5  |
| 7 | <input type="checkbox"/> | 25000.000 | 26131.862  | 396627.48  | 11.6904  | P    | 0.7  |
| 8 | <input type="checkbox"/> | 50000.000 | 50738.491  | 759427.33  | 22.6967  | P    | 1.9  |
| 9 | <input type="checkbox"/> | 250000.00 | 249667.50  | 3754134.95 | 111.6758 | A    | 1.9  |

$$y = 4.4729E-004 * x + 0.0018$$

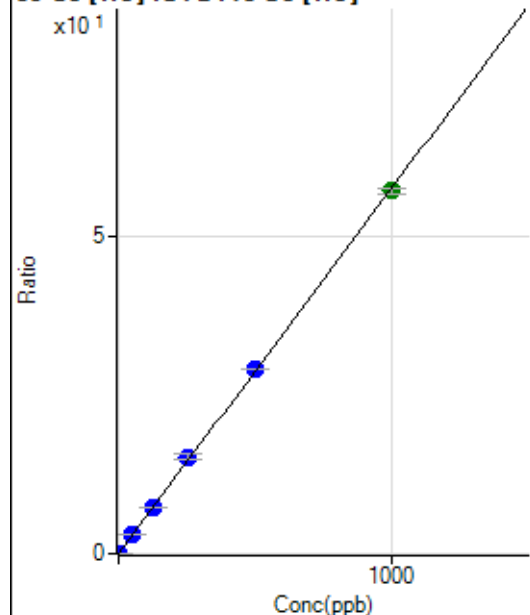
$$R = 1.0000$$

$$DL = 1.751$$

$$BEC = 4.077$$

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      | 72.23      | 0.0021  | P    | 15.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.939      | 1990.18    | 0.0563  | P    | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 52.466     | 105093.49  | 3.0272  | P    | 2.6  |
| 5 | <input type="checkbox"/> | 125.000  | 125.763    | 261960.27  | 7.2534  | P    | 0.1  |
| 6 | <input type="checkbox"/> | 250.000  | 265.193    | 515764.61  | 15.2927 | P    | 7.2  |
| 7 | <input type="checkbox"/> | 500.000  | 504.993    | 987948.03  | 29.1192 | P    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.487    | 1916812.16 | 57.2849 | A    | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 2346.90    | 0.0698  | P    | 4.1  |

$$y = 0.0577 * x + 0.0021$$

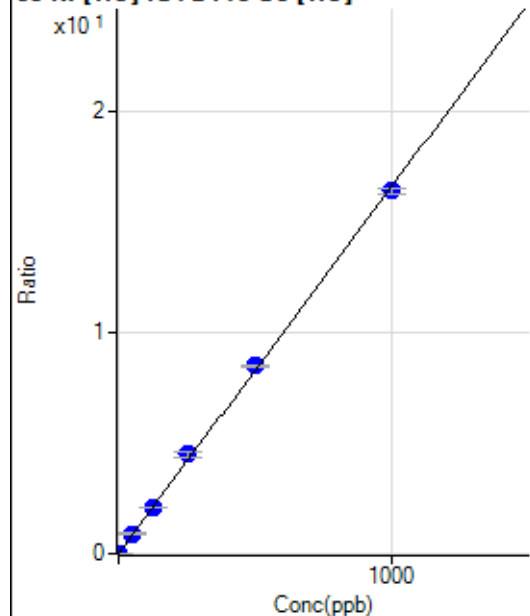
$$R = 0.9998$$

$$DL = 0.01773$$

$$BEC = 0.03718$$

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      | 201.12    | 0.0060  | P    | 4.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |         |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.011      | 803.37    | 0.0227  | P    | 8.7 |
| 4 | <input type="checkbox"/> | 50.000   | 53.787     | 31132.79  | 0.8970  | P    | 3.8 |
| 5 | <input type="checkbox"/> | 125.000  | 127.230    | 76330.14  | 2.1135  | P    | 1.0 |
| 6 | <input type="checkbox"/> | 250.000  | 269.788    | 150916.35 | 4.4750  | P    | 7.4 |
| 7 | <input type="checkbox"/> | 500.000  | 511.777    | 287829.47 | 8.4836  | P    | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 988.696    | 548207.05 | 16.3838 | P    | 1.7 |
| 9 | <input type="checkbox"/> |          |            | 1522.34   | 0.0453  | P    | 7.5 |

$$y = 0.0166 * x + 0.0060$$

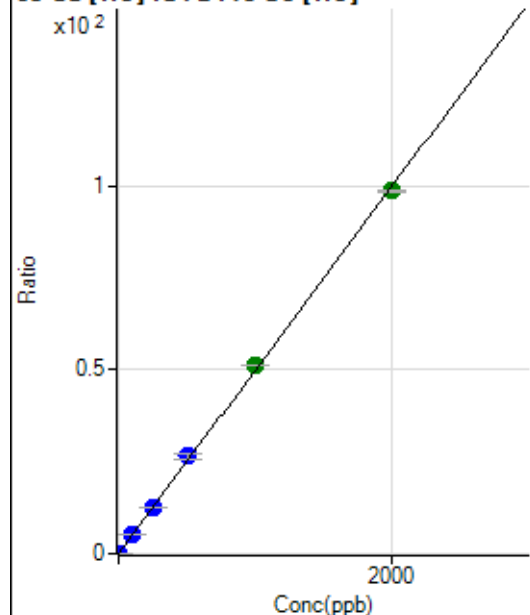
$$R = 0.9997$$

$$DL = 0.05056$$

$$BEC = 0.3609$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 267.79     | 0.0079  | P    | 11.4 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.075      | 3939.52    | 0.1114  | P    | 3.5  |
| 4 | <input type="checkbox"/> | 100.000  | 104.460    | 181131.11  | 5.2180  | P    | 3.0  |
| 5 | <input type="checkbox"/> | 250.000  | 251.271    | 452888.79  | 12.5403 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 500.000  | 529.517    | 891027.95  | 26.4182 | P    | 7.1  |
| 7 | <input type="checkbox"/> | 1000.000 | 1027.908   | 1739678.34 | 51.2760 | A    | 0.3  |
| 8 | <input type="checkbox"/> | 2000.000 | 1978.285   | 3302117.49 | 98.6770 | A    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 4982.09    | 0.1482  | P    | 1.4  |

$$y = 0.0499 * x + 0.0079$$

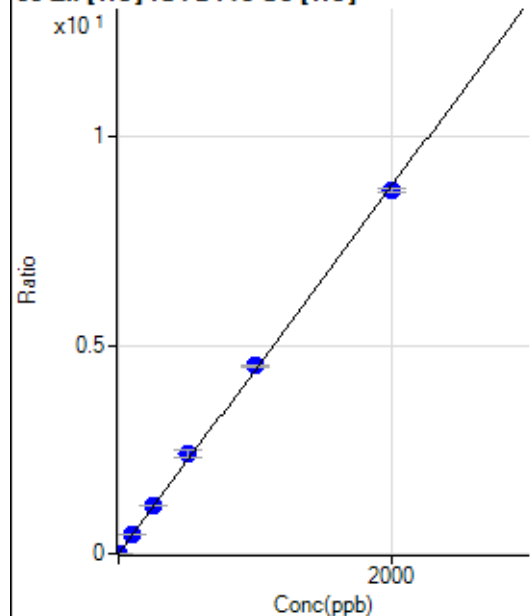
$$R = 0.9997$$

$$DL = 0.05428$$

$$BEC = 0.1593$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 21.11     | 0.0006 | P    | 45.1 |
| 2 | <input type="checkbox"/> | 0.200    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.122      | 353.35    | 0.0100 | P    | 13.5 |
| 4 | <input type="checkbox"/> | 100.000  | 106.971    | 16397.68  | 0.4723 | P    | 2.6  |
| 5 | <input type="checkbox"/> | 250.000  | 261.052    | 41594.68  | 1.1517 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 500.000  | 547.788    | 81463.08  | 2.4159 | P    | 7.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1024.278   | 153245.40 | 4.5168 | P    | 1.2  |
| 8 | <input type="checkbox"/> | 2000.000 | 1974.184   | 291297.29 | 8.7051 | P    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 1058.95   | 0.0315 | P    | 6.9  |

$$y = 0.0044 * x + 6.3633E-004$$

$$R = 0.9996$$

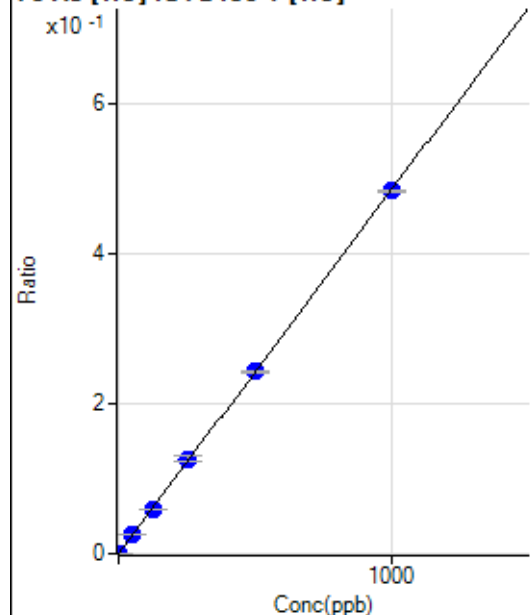
$$DL = 0.1954$$

$$BEC = 0.1443$$

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      | 6.79      | 0.0000 | P        | 81.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.918      | 117.29    | 0.0005 | P        | 9.4  |
| 4 | <input type="checkbox"/> | 50.000   | 51.289     | 6105.72   | 0.0249 | P        | 2.7  |
| 5 | <input type="checkbox"/> | 125.000  | 122.597    | 15008.22  | 0.0595 | P        | 1.7  |
| 6 | <input type="checkbox"/> | 250.000  | 261.523    | 30064.19  | 0.1270 | P        | 6.9  |
| 7 | <input type="checkbox"/> | 500.000  | 500.594    | 57048.48  | 0.2430 | P        | 1.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.059    | 109126.58 | 0.4841 | P        | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 33.33     | 0.0001 | P        | 4.9  |

$$y = 4.8546E-004 * x + 2.7582E-005$$

$$R = 0.9999$$

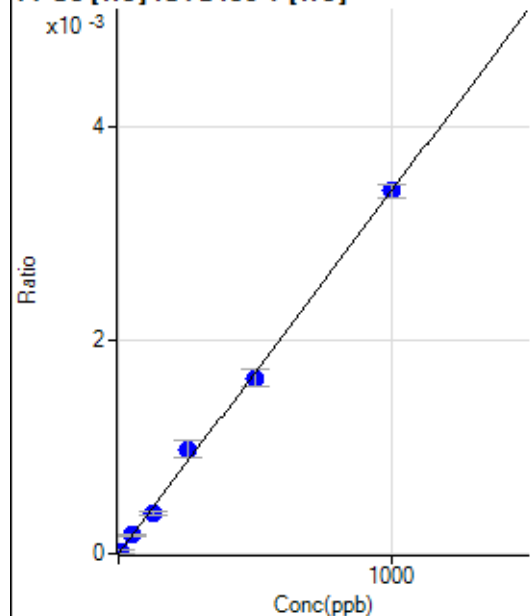
$$DL = 0.1391$$

$$BEC = 0.05682$$

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    | 5.251      | 4.44   | 0.0000 | P        | 114. |
| 4 | <input type="checkbox"/> | 50.000   | 50.742     | 42.22  | 0.0002 | P        | 19.0 |
| 5 | <input type="checkbox"/> | 125.000  | 108.971    | 93.34  | 0.0004 | P        | 10.1 |
| 6 | <input type="checkbox"/> | 250.000  | 288.169    | 231.12 | 0.0010 | P        | 16.3 |
| 7 | <input type="checkbox"/> | 500.000  | 484.406    | 386.68 | 0.0016 | P        | 9.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.220   | 766.70 | 0.0034 | P        | 3.9  |
| 9 | <input type="checkbox"/> |          |            | 1.11   | 0.0000 | P        | 173. |

$$y = 3.3996E-006 * x + 0.0000E+000$$

$$R = 0.9988$$

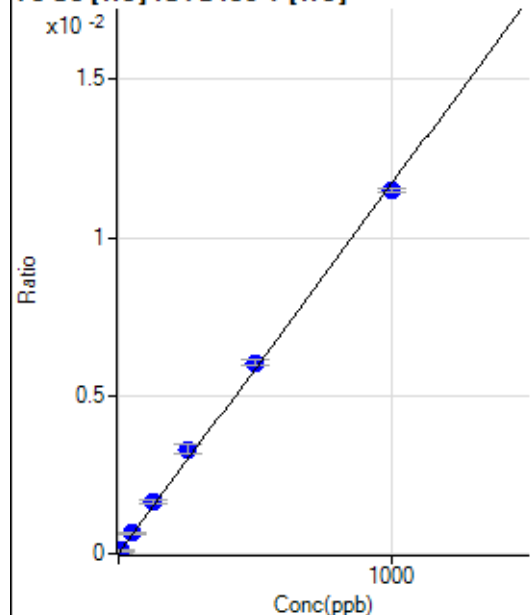
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS     | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|---------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.85    | 0.0000 | P    | 97.8 |
| 2 | <input type="checkbox"/> | 0.500    |            |         |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 7.227      | 22.84   | 0.0001 | P    | 9.0  |
| 4 | <input type="checkbox"/> | 50.000   | 54.704     | 158.64  | 0.0006 | P    | 8.3  |
| 5 | <input type="checkbox"/> | 125.000  | 138.158    | 408.65  | 0.0016 | P    | 7.4  |
| 6 | <input type="checkbox"/> | 250.000  | 282.527    | 782.13  | 0.0033 | P    | 10.3 |
| 7 | <input type="checkbox"/> | 500.000  | 516.959    | 1419.84 | 0.0060 | P    | 2.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 981.497    | 2587.31 | 0.0115 | P    | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 3.09    | 0.0000 | P    | 125. |

$$y = 1.1685\text{E-}005 * x + 7.6208\text{E-}006$$

$$R = 0.9992$$

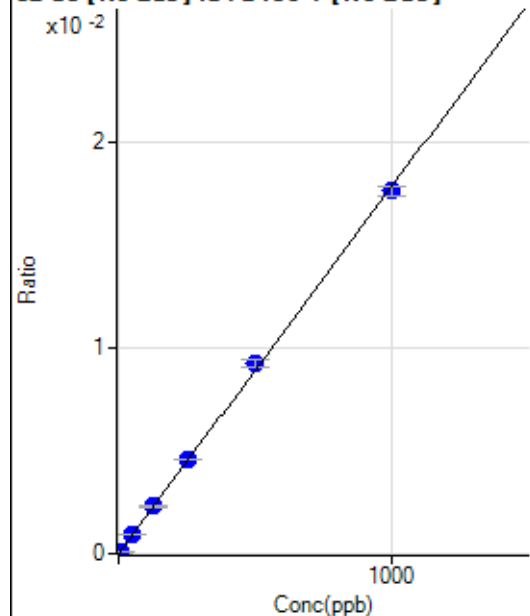
$$DL = 1.914$$

$$BEC = 0.6522$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | -55.86    | 0.0000 | P    | -92. |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.673      | 525.96    | 0.0001 | P    | 9.9  |
| 4 | <input type="checkbox"/> | 50.000   | 51.614     | 6513.51   | 0.0009 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 128.763    | 16451.23  | 0.0023 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 250.000  | 257.394    | 33064.46  | 0.0046 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 517.171    | 64901.23  | 0.0092 | P    | 4.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.016    | 124471.81 | 0.0176 | P    | 2.4  |
| 9 | <input type="checkbox"/> |          |            | 36.95     | 0.0000 | P    | 32.5 |

$$y = 1.7840\text{E-}005 * x - 7.9995\text{E-}006$$

$$R = 0.9997$$

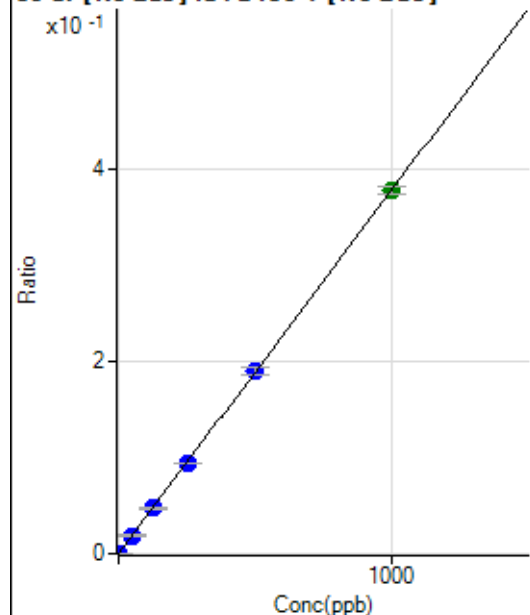
$$DL = 1.245$$

$$BEC = -0.4484$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 894.52     | 0.0001 | P    | 13.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.937      | 3361.69    | 0.0005 | P    | 5.5  |
| 4 | <input type="checkbox"/> | 50.000   | 49.886     | 135362.76  | 0.0190 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 124.611    | 339161.63  | 0.0472 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 249.002    | 679317.55  | 0.0942 | P    | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 503.828    | 1340735.51 | 0.1904 | P    | 4.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.390    | 2662394.16 | 0.3772 | A    | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 88802.82   | 0.0130 | P    | 3.3  |

$$y = 3.7769\text{E-}004 * x + 1.2836\text{E-}004$$

$$R = 1.0000$$

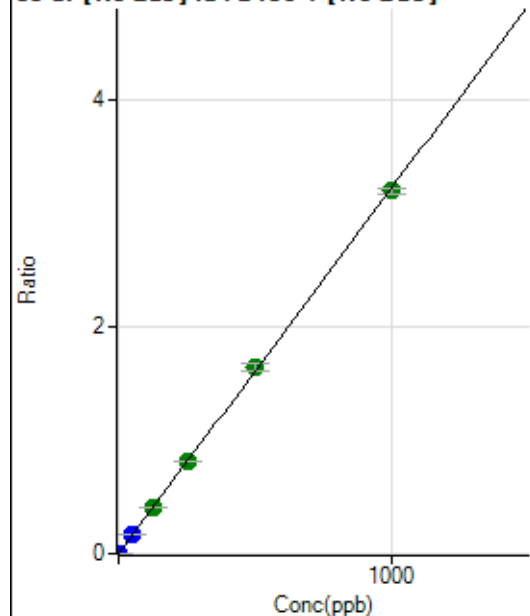
$$DL = 0.1358$$

$$BEC = 0.3399$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 200.01      | 0.0000 | P    | 30.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.920      | 20844.53    | 0.0030 | P    | 0.5  |
| 4 | <input type="checkbox"/> | 50.000   | 50.686     | 1163305.82  | 0.1630 | P    | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 127.603    | 2949275.67  | 0.4104 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 252.952    | 5867870.79  | 0.8135 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 512.019    | 11593753.73 | 1.6466 | A    | 4.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.893    | 22537767.00 | 3.1930 | A    | 1.7  |
| 9 | <input type="checkbox"/> |          |            | 764459.35   | 0.1115 | P    | 2.6  |

$$y = 0.0032 * x + 2.8672\text{E-}005$$

$$R = 0.9999$$

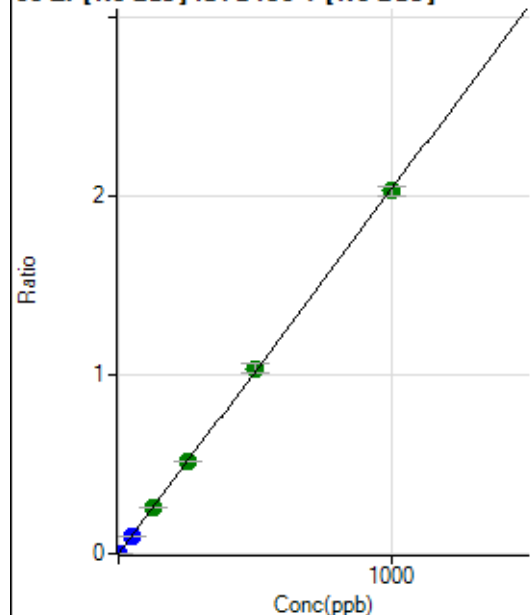
$$DL = 0.008183$$

$$BEC = 0.008916$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 561.15      | 0.0001 | P    | 12.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.830      | 12381.10    | 0.0018 | P    | 4.7  |
| 4 | <input type="checkbox"/> | 50.000   | 49.295     | 718817.51   | 0.1007 | P    | 0.3  |
| 5 | <input type="checkbox"/> | 125.000  | 125.773    | 1846285.07  | 0.2569 | A    | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 252.102    | 3713644.35  | 0.5148 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 508.486    | 7310358.49  | 1.0384 | A    | 4.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.170    | 14341622.89 | 2.0321 | A    | 2.7  |
| 9 | <input type="checkbox"/> |          |            | 3014.37     | 0.0004 | P    | 7.9  |

$$y = 0.0020 * x + 8.0557E-005$$

$$R = 0.9999$$

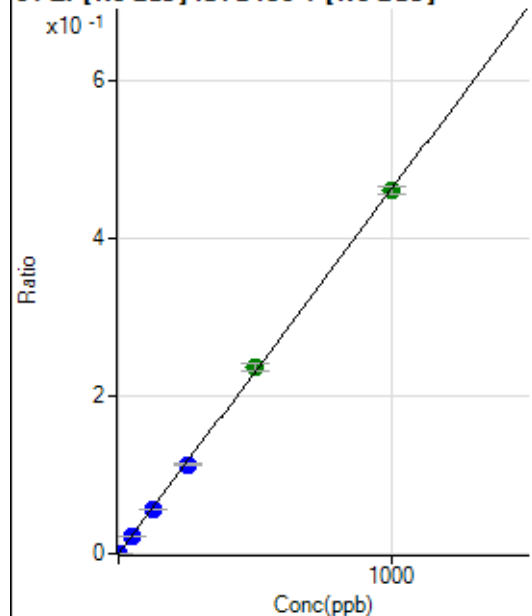
$$DL = 0.01529$$

$$BEC = 0.03945$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 77.78      | 0.0000 | P    | 26.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.848      | 2817.10    | 0.0004 | P    | 13.0 |
| 4 | <input type="checkbox"/> | 50.000   | 48.790     | 161276.54  | 0.0226 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 122.917    | 409095.93  | 0.0569 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 244.925    | 818090.50  | 0.1134 | P    | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 512.141    | 1669937.56 | 0.2371 | A    | 3.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.519    | 3253460.66 | 0.4609 | A    | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 744.51     | 0.0001 | P    | 16.9 |

$$y = 4.6301E-004 * x + 1.1153E-005$$

$$R = 0.9999$$

$$DL = 0.01885$$

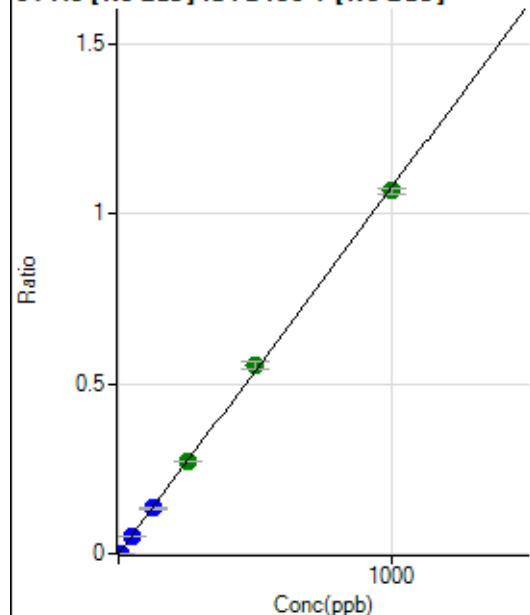
$$BEC = 0.02409$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 261.13     | 0.0000 | P    | 11.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 1.892      | 14480.54   | 0.0021 | P    | 3.6  |
| 4 | <input type="checkbox"/> | 50.000   | 48.830     | 375950.10  | 0.0527 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 123.845    | 959909.63  | 0.1336 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 252.153    | 1961382.68 | 0.2719 | A    | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 516.654    | 3922252.04 | 0.5571 | A    | 4.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.353    | 7545223.69 | 1.0689 | A    | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 3525.61    | 0.0005 | P    | 1.2  |

$$y = 0.0011 * x + 3.7514E-005$$

$$R = 0.9998$$

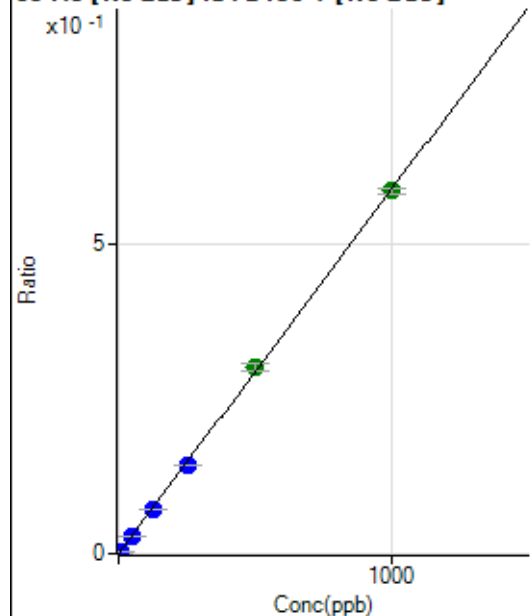
$$DL = 0.01223$$

$$BEC = 0.03479$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 100.01     | 0.0000 | P    | 16.4 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.281      | 17612.09   | 0.0025 | P    | 2.8  |
| 4 | <input type="checkbox"/> | 50.000   | 48.579     | 203484.38  | 0.0285 | P    | 1.2  |
| 5 | <input type="checkbox"/> | 125.000  | 121.345    | 511763.74  | 0.0712 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 243.600    | 1031019.91 | 0.1429 | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 511.896    | 2114487.96 | 0.3004 | A    | 4.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.183    | 4125690.85 | 0.5845 | A    | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 4375.90    | 0.0006 | P    | 4.0  |

$$y = 5.8671E-004 * x + 1.4357E-005$$

$$R = 0.9999$$

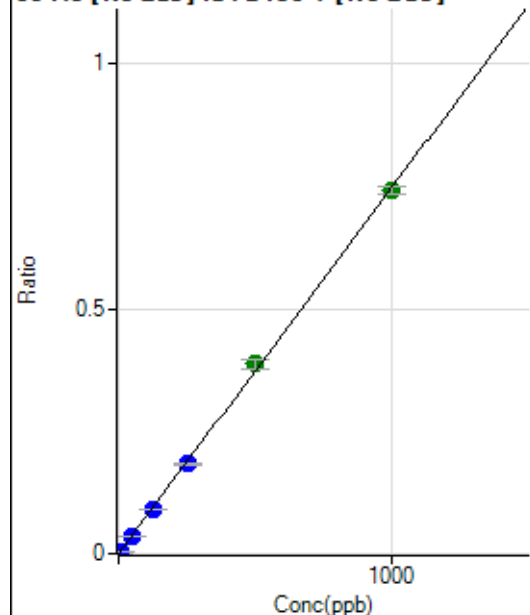
$$DL = 0.01204$$

$$BEC = 0.02447$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 213.90     | 0.0000 | P    | 9.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 3.710      | 19514.73   | 0.0028 | P    | 2.3 |
| 4 | <input type="checkbox"/> | 50.000   | 48.809     | 260040.44  | 0.0364 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 125.000  | 122.281    | 655810.26  | 0.0913 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 246.078    | 1324319.19 | 0.1836 | P    | 1.3 |
| 7 | <input type="checkbox"/> | 500.000  | 518.141    | 2721354.23 | 0.3866 | A    | 4.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 992.316    | 5225106.37 | 0.7403 | A    | 2.0 |
| 9 | <input type="checkbox"/> |          |            | 7188.30    | 0.0010 | P    | 6.3 |

$$y = 7.4599\text{E-}004 * x + 3.0703\text{E-}005$$

$$R = 0.9997$$

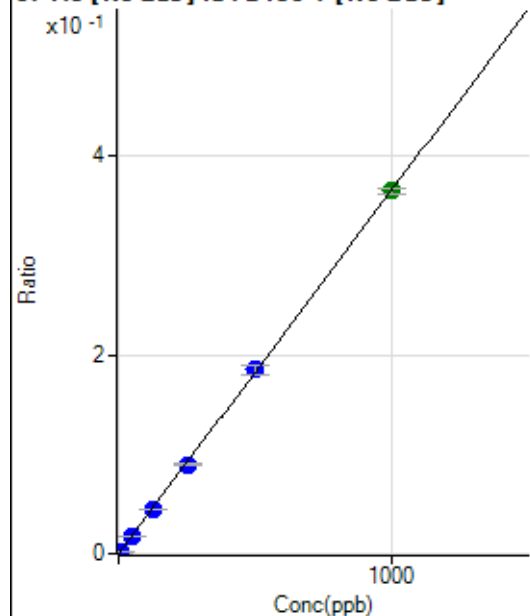
$$DL = 0.01107$$

$$BEC = 0.04116$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 136.12     | 0.0000 | P    | 19.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.255      | 10968.75   | 0.0016 | P    | 4.7  |
| 4 | <input type="checkbox"/> | 50.000   | 48.310     | 126017.72  | 0.0177 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 122.263    | 320990.27  | 0.0447 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 245.825    | 647607.52  | 0.0898 | P    | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 505.552    | 1299770.92 | 0.1846 | P    | 4.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.698    | 2574250.80 | 0.3647 | A    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 2703.18    | 0.0004 | P    | 3.5  |

$$y = 3.6515\text{E-}004 * x + 1.9554\text{E-}005$$

$$R = 1.0000$$

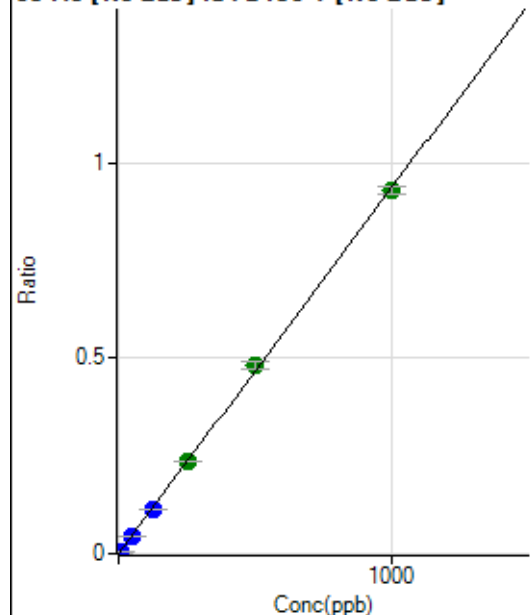
$$DL = 0.03193$$

$$BEC = 0.05355$$

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      | 205.57     | 0.0000 | P    | 24.8 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.276      | 28110.67   | 0.0040 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 48.492     | 324040.02  | 0.0454 | P    | 0.2  |
| 5 | <input type="checkbox"/> | 125.000  | 122.274    | 822587.26  | 0.1145 | P    | 1.5  |
| 6 | <input type="checkbox"/> | 250.000  | 250.808    | 1693311.71 | 0.2348 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 516.342    | 3402333.28 | 0.4833 | A    | 4.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.047    | 6552930.66 | 0.9284 | A    | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 6754.76    | 0.0010 | P    | 6.4  |

$$y = 9.3586E-004 * x + 2.9543E-005$$

$$R = 0.9998$$

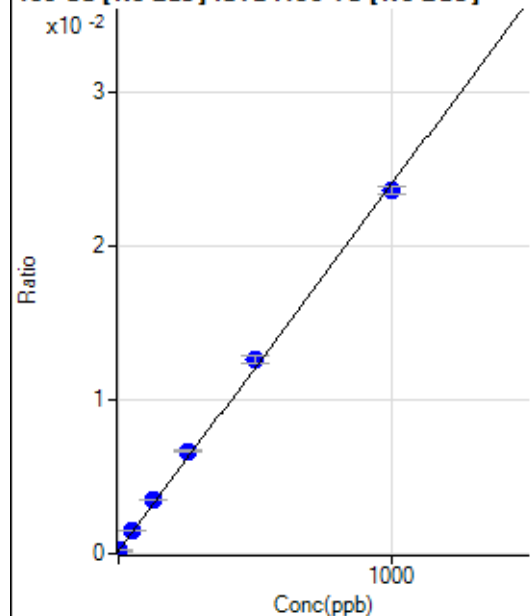
$$DL = 0.02346$$

$$BEC = 0.03157$$

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      | 1366.80   | 0.0002 | P    | 5.1  |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.566      | 1672.40   | 0.0002 | P    | 10.7 |
| 4 | <input type="checkbox"/> | 50.000   | 54.537     | 12041.98  | 0.0015 | P    | 2.7  |
| 5 | <input type="checkbox"/> | 125.000  | 138.988    | 28842.92  | 0.0035 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 271.686    | 56184.61  | 0.0067 | P    | 2.0  |
| 7 | <input type="checkbox"/> | 500.000  | 521.118    | 108988.22 | 0.0126 | P    | 4.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 982.043    | 213550.18 | 0.0236 | P    | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 1630.73   | 0.0002 | P    | 8.6  |

$$y = 2.3848E-005 * x + 1.7164E-004$$

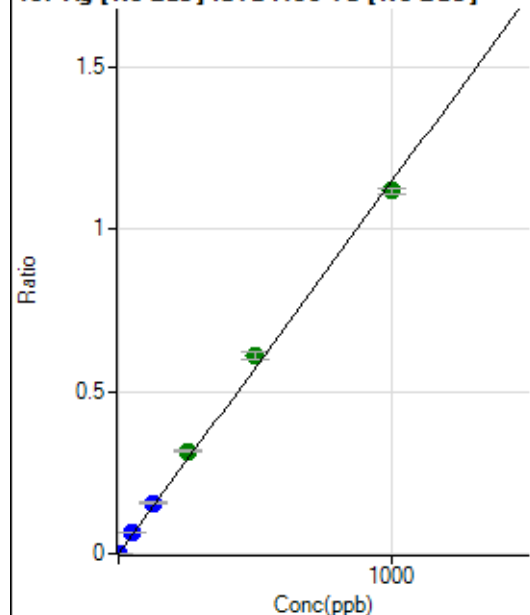
$$R = 0.9994$$

$$DL = 1.092$$

$$BEC = 7.198$$

Weight: &lt;None&gt;

Min Conc: 0

**107 Ag [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      | 83.34       | 0.0000 | P    | 36.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.283      | 11833.48    | 0.0015 | P    | 4.2  |
| 4 | <input type="checkbox"/> | 50.000   | 54.481     | 509979.92   | 0.0623 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 136.580    | 1293017.41  | 0.1563 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 275.870    | 2666834.13  | 0.3157 | A    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 531.757    | 5264283.62  | 0.6085 | A    | 3.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 975.982    | 10109416.29 | 1.1167 | A    | 1.7  |
| 9 | <input type="checkbox"/> |          |            | 983.42      | 0.0001 | P    | 12.2 |

$$y = 0.0011 * x + 1.0484E-005$$

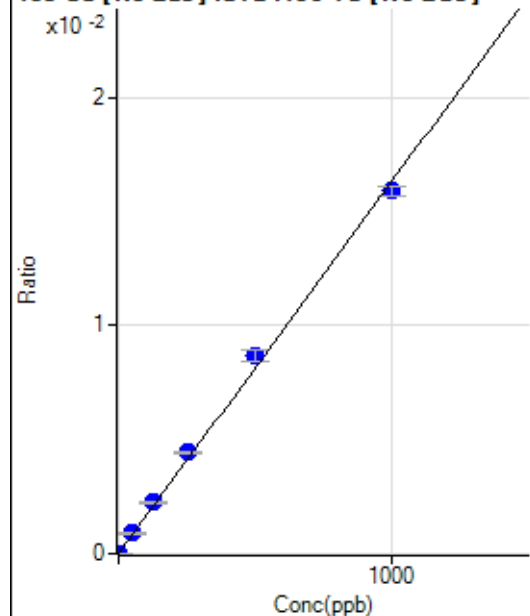
$$R = 0.9988$$

$$DL = 0.01012$$

$$BEC = 0.009163$$

Weight: &lt;None&gt;

Min Conc: 0

**108 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      | 6.95      | 0.0000 | P    | 69.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.173      | 159.73    | 0.0000 | P    | 24.6 |
| 4 | <input type="checkbox"/> | 50.000   | 55.036     | 7345.22   | 0.0009 | P    | 4.3  |
| 5 | <input type="checkbox"/> | 125.000  | 137.599    | 18557.55  | 0.0022 | P    | 4.2  |
| 6 | <input type="checkbox"/> | 250.000  | 273.511    | 37669.37  | 0.0045 | P    | 1.9  |
| 7 | <input type="checkbox"/> | 500.000  | 533.047    | 75137.30  | 0.0087 | P    | 5.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 975.772    | 143963.07 | 0.0159 | P    | 2.7  |
| 9 | <input type="checkbox"/> |          |            | 43.06     | 0.0000 | P    | 52.8 |

$$y = 1.6299E-005 * x + 8.7421E-007$$

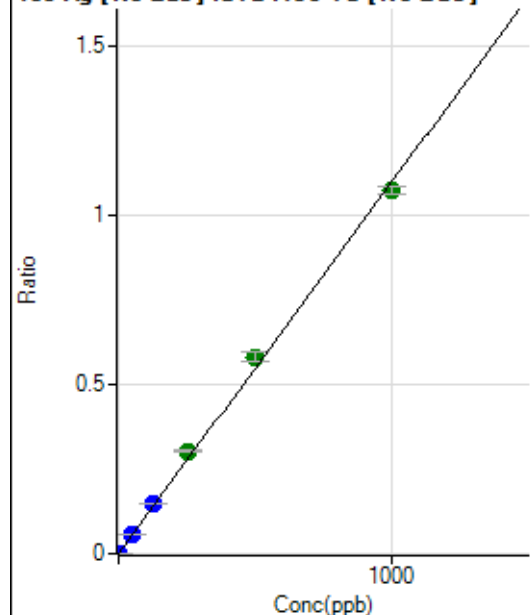
$$R = 0.9988$$

$$DL = 0.1123$$

$$BEC = 0.05364$$

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      | 52.78      | 0.0000 | P    | 37.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.282      | 11307.99   | 0.0014 | P    | 0.7  |
| 4 | <input type="checkbox"/> | 50.000   | 53.863     | 483279.55  | 0.0591 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 135.206    | 1226965.93 | 0.1483 | P    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 274.944    | 2547664.60 | 0.3016 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 500.000  | 530.117    | 5028995.73 | 0.5815 | A    | 4.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 977.237    | 9702530.69 | 1.0719 | A    | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 886.18     | 0.0001 | P    | 2.4  |

$$y = 0.0011 * x + 6.6349E-006$$

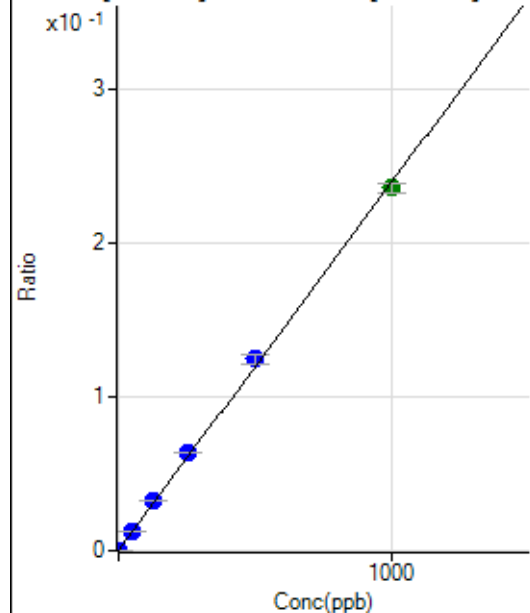
$$R = 0.9989$$

$$DL = 0.00672$$

$$BEC = 0.006049$$

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      | 976.90     | 0.0001 | P    | 5.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.070      | 3028.50    | 0.0004 | P    | 2.3 |
| 4 | <input type="checkbox"/> | 50.000   | 53.373     | 105318.39  | 0.0129 | P    | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 133.648    | 265217.69  | 0.0321 | P    | 1.0 |
| 6 | <input type="checkbox"/> | 250.000  | 265.761    | 537525.02  | 0.0636 | P    | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 519.432    | 1074512.95 | 0.1242 | P    | 4.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 985.094    | 2131616.60 | 0.2355 | A    | 2.8 |
| 9 | <input type="checkbox"/> |          |            | 1441.94    | 0.0002 | P    | 5.8 |

$$y = 2.3894E-004 * x + 1.2268E-004$$

$$R = 0.9996$$

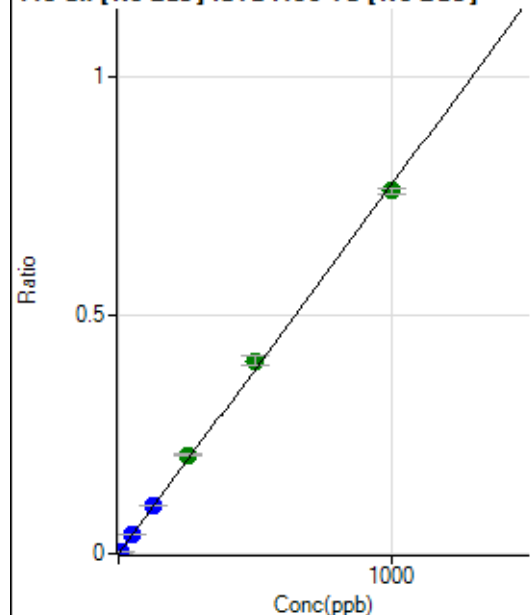
$$DL = 0.08195$$

$$BEC = 0.5134$$

Weight: &lt;None&gt;

Min Conc: 0

118 Sn [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      | 863.96     | 0.0001 | P    | 11.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.604      | 29335.86   | 0.0037 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 50.000   | 52.079     | 330026.03  | 0.0403 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 131.481    | 841410.68  | 0.1017 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 250.000  | 267.821    | 1749182.07 | 0.2070 | A    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 522.465    | 3492106.02 | 0.4038 | A    | 5.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 983.400    | 6879461.09 | 0.7599 | A    | 1.7  |
| 9 | <input type="checkbox"/> |          |            | 5626.42    | 0.0006 | P    | 2.4  |

$$y = 7.7266E-004 * x + 1.0855E-004$$

$$R = 0.9994$$

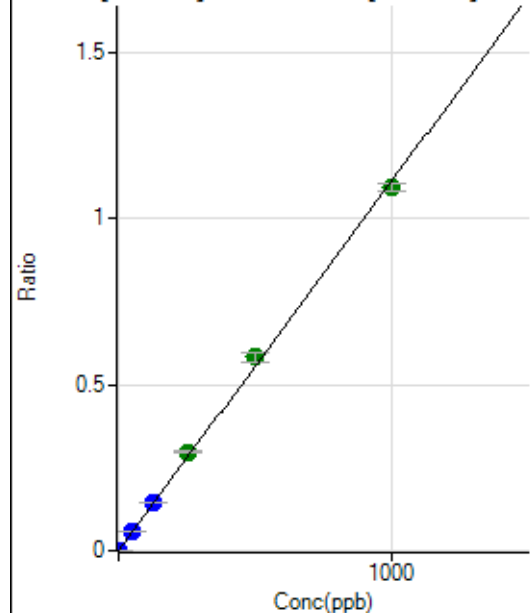
$$DL = 0.04649$$

$$BEC = 0.1405$$

Weight: &lt;None&gt;

Min Conc: 0

121 Sb [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      | 58.33      | 0.0000 | P    | 37.7 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.901      | 16983.72   | 0.0021 | P    | 0.4  |
| 4 | <input type="checkbox"/> | 50.000   | 51.927     | 472400.78  | 0.0578 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 131.867    | 1213301.51 | 0.1467 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 267.996    | 2517938.10 | 0.2980 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 524.216    | 5042488.87 | 0.5830 | A    | 4.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 982.438    | 9890045.53 | 1.0926 | A    | 2.1  |
| 9 | <input type="checkbox"/> |          |            | 20997.98   | 0.0024 | P    | 4.8  |

$$y = 0.0011 * x + 7.3183E-006$$

$$R = 0.9994$$

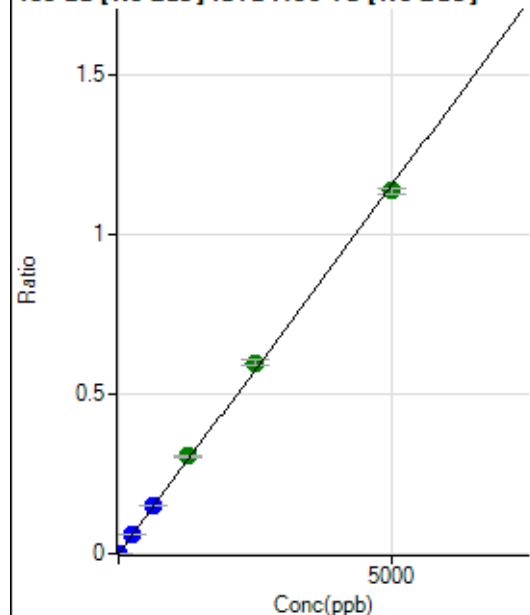
$$DL = 0.007447$$

$$BEC = 0.006581$$

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      | 55.56       | 0.0000 | P    | 36.9 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.163      | 16947.60    | 0.0021 | P    | 4.0  |
| 4 | <input type="checkbox"/> | 250.000  | 258.863    | 487691.00   | 0.0596 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 625.000  | 652.377    | 1243117.10  | 0.1503 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 1250.000 | 1322.658   | 2573524.38  | 0.3046 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 2500.000 | 2595.767   | 5172008.23  | 0.5978 | A    | 3.6  |
| 8 | <input type="checkbox"/> | 5000.000 | 4930.088   | 10278608.30 | 1.1354 | A    | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 3325.57     | 0.0004 | P    | 3.5  |

$$y = 2.3030\text{E-}004 * x + 6.9605\text{E-}006$$

$$R = 0.9996$$

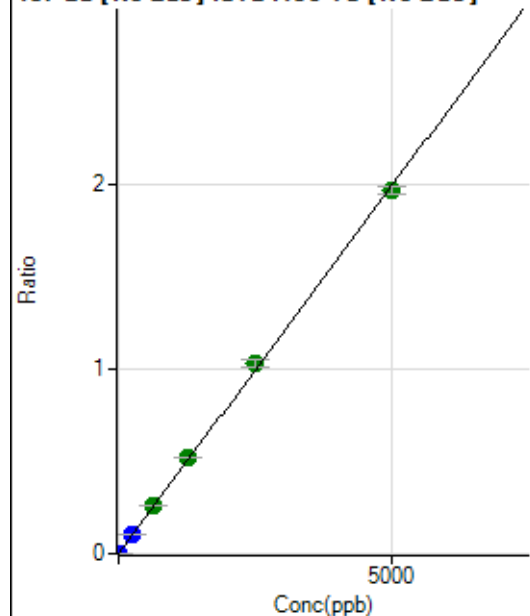
$$DL = 0.03347$$

$$BEC = 0.03022$$

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      | 130.56      | 0.0000 | P    | 33.9 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.143      | 29319.76    | 0.0037 | P    | 1.6  |
| 4 | <input type="checkbox"/> | 250.000  | 258.963    | 844894.43   | 0.1033 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 625.000  | 659.656    | 2176877.26  | 0.2631 | A    | 0.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1303.675   | 4392642.42  | 0.5199 | A    | 0.7  |
| 7 | <input type="checkbox"/> | 2500.000 | 2588.697   | 8930758.10  | 1.0324 | A    | 4.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 4937.454   | 17824824.88 | 1.9691 | A    | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 5701.48     | 0.0007 | P    | 1.4  |

$$y = 3.9881\text{E-}004 * x + 1.6351\text{E-}005$$

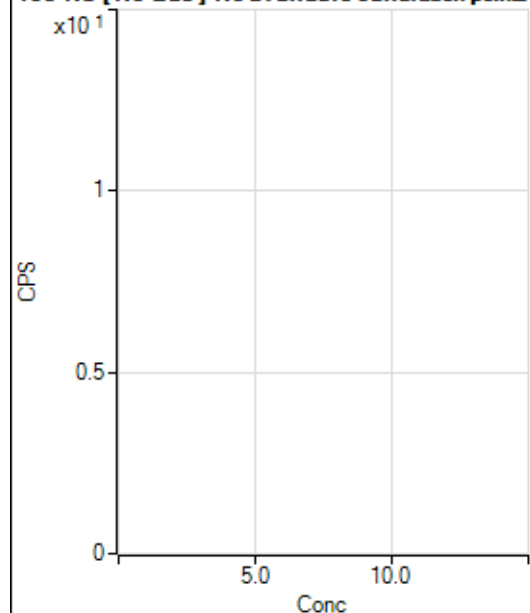
$$R = 0.9997$$

$$DL = 0.04174$$

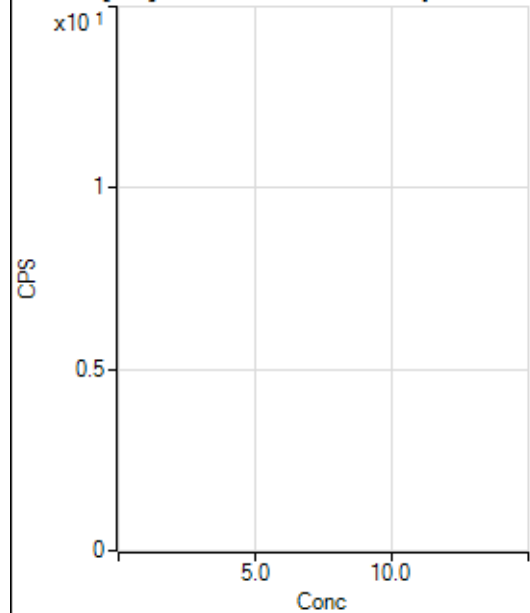
$$BEC = 0.041$$

Weight: &lt;None&gt;

Min Conc: 0

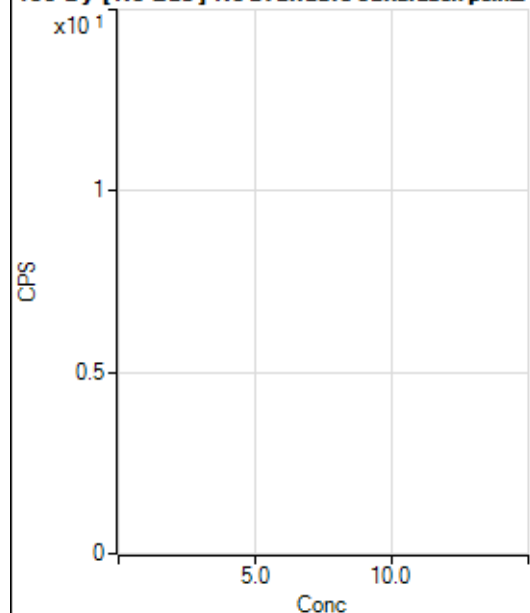
**150 Nd [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 13.33  |       | P        | NaN  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 69.3 |
| 4 | <input type="checkbox"/> |       |            | 40.00  |       | P        | 33.3 |
| 5 | <input type="checkbox"/> |       |            | 53.33  |       | P        | 21.7 |
| 6 | <input type="checkbox"/> |       |            | 97.78  |       | P        | 32.2 |
| 7 | <input type="checkbox"/> |       |            | 193.34 |       | P        | 6.9  |
| 8 | <input type="checkbox"/> |       |            | 377.80 |       | P        | 5.7  |
| 9 | <input type="checkbox"/> |       |            | 106.67 |       | P        | 16.5 |

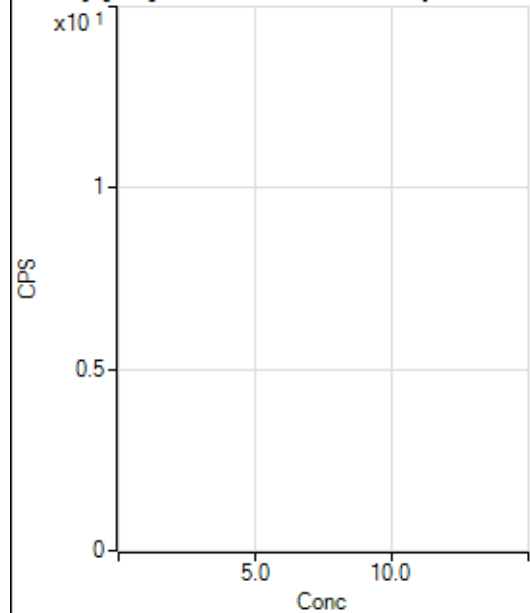
**150 Nd [ He ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 5 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 6 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 7 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 8 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 17.3 |
| 9 | <input type="checkbox"/> |       |            | 13.33 |       | P        | 66.2 |

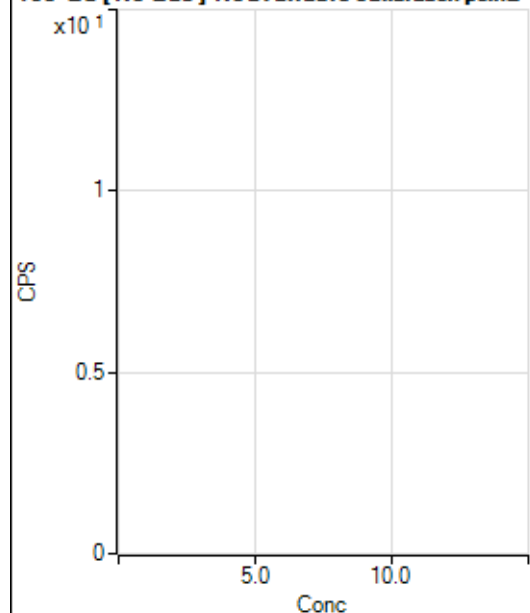


**156 Dy [ No Gas ] No available calibration points**

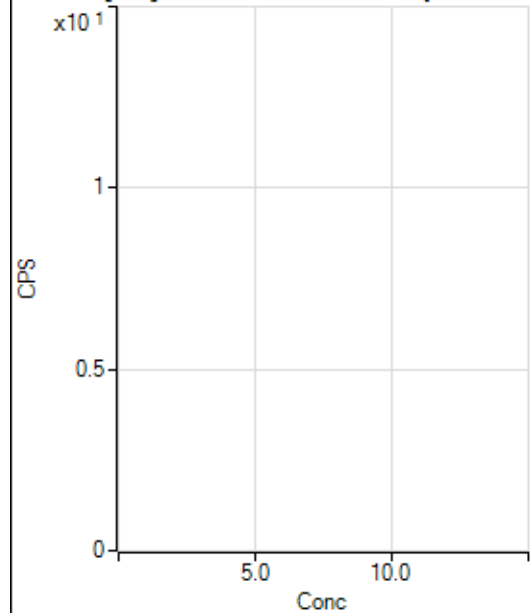
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 50.0 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 27.78  |       | P        | 17.3 |
| 4 | <input type="checkbox"/> |       |            | 30.56  |       | P        | 63.0 |
| 5 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 70.9 |
| 6 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 15.1 |
| 7 | <input type="checkbox"/> |       |            | 86.12  |       | P        | 5.6  |
| 8 | <input type="checkbox"/> |       |            | 183.34 |       | P        | 13.6 |
| 9 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 46.2 |

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

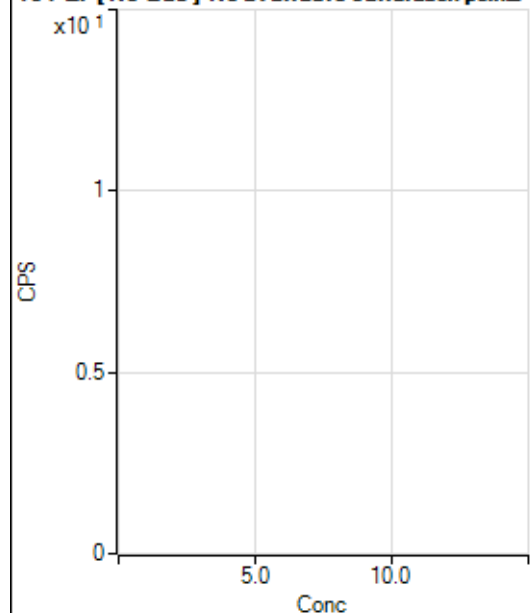
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 0.0  |
| 5 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 6 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 107. |
| 7 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 78.1 |
| 8 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 38.6 |
| 9 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 33.3 |

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

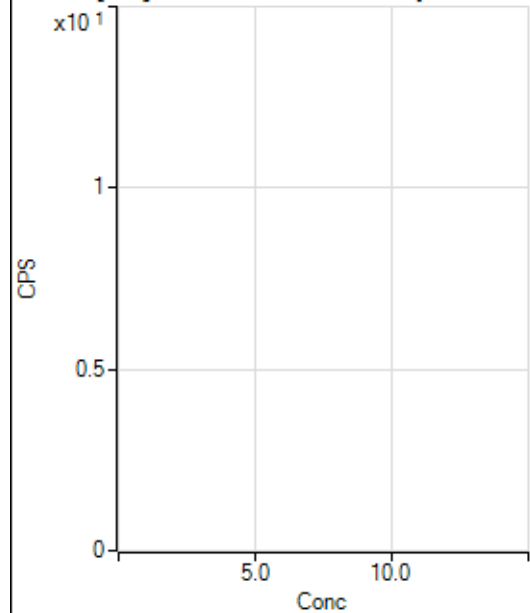
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 61.11  |       | P        | 15.7 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 52.78  |       | P        | 24.1 |
| 4 | <input type="checkbox"/> |       |            | 63.89  |       | P        | 19.9 |
| 5 | <input type="checkbox"/> |       |            | 86.12  |       | P        | 31.1 |
| 6 | <input type="checkbox"/> |       |            | 50.00  |       | P        | 44.1 |
| 7 | <input type="checkbox"/> |       |            | 127.79 |       | P        | 3.8  |
| 8 | <input type="checkbox"/> |       |            | 127.78 |       | P        | 32.2 |
| 9 | <input type="checkbox"/> |       |            | 113.90 |       | P        | 30.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 16.67 |       | P        | NaN  |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 10.00 |       | P        | 88.2 |
| 4 | <input type="checkbox"/> |       |            | 14.44 |       | P        | 13.4 |
| 5 | <input type="checkbox"/> |       |            | 16.67 |       | P        | 72.1 |
| 6 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 103. |
| 7 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 22.9 |
| 8 | <input type="checkbox"/> |       |            | 24.44 |       | P        | 39.4 |
| 9 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 20.4 |

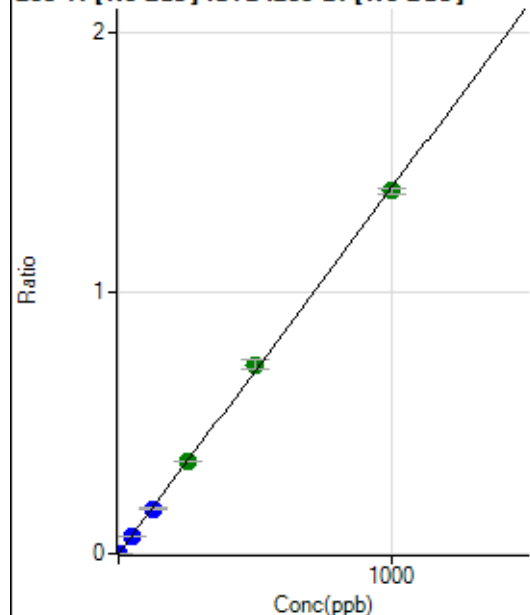
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 48.0 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 61.12 |       | P        | 7.9  |
| 4 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 75.0 |
| 5 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 86.6 |
| 6 | <input type="checkbox"/> |       |            | 58.34 |       | P        | 57.1 |
| 7 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 28.7 |
| 8 | <input type="checkbox"/> |       |            | 61.11 |       | P        | 31.5 |
| 9 | <input type="checkbox"/> |       |            | 55.56 |       | P        | 37.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 6.66  |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 5 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 57.3 |
| 6 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |
| 7 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 21.6 |
| 8 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |
| 9 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 15.7 |

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 141.68     | 0.0000 | P    | 17.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.864      | 5826.62    | 0.0012 | P    | 4.4  |
| 4 | <input type="checkbox"/> | 50.000   | 49.468     | 329743.11  | 0.0695 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 123.291    | 834267.44  | 0.1731 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 251.351    | 1754916.25 | 0.3528 | A    | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 515.813    | 3735961.46 | 0.7240 | A    | 5.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.996    | 7569218.57 | 1.3923 | A    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 2325.31    | 0.0005 | P    | 6.5  |

$$y = 0.0014 * x + 3.0563E-005$$

$$R = 0.9998$$

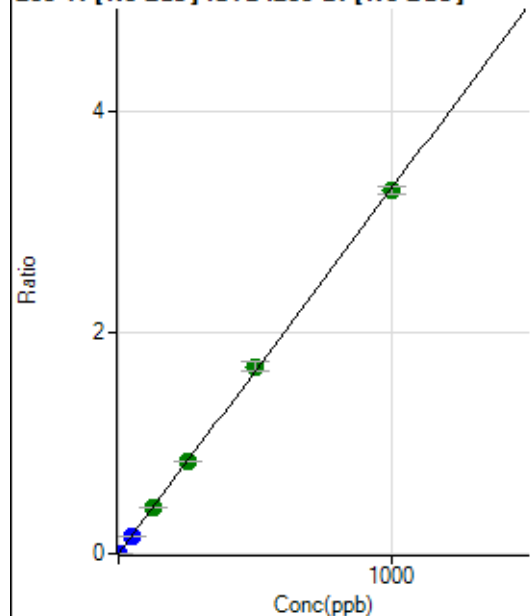
$$DL = 0.01163$$

$$BEC = 0.02178$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 288.91      | 0.0001 | P    | 16.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.874      | 13841.54    | 0.0030 | P    | 2.9  |
| 4 | <input type="checkbox"/> | 50.000   | 49.228     | 773095.19   | 0.1628 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 126.551    | 2017502.43  | 0.4185 | A    | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 251.804    | 4142251.39  | 0.8327 | A    | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 512.052    | 8737989.17  | 1.6933 | A    | 5.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.368    | 17857357.34 | 3.2849 | A    | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 5343.05     | 0.0011 | P    | 5.5  |

$$y = 0.0033 * x + 6.2336E-005$$

$$R = 0.9999$$

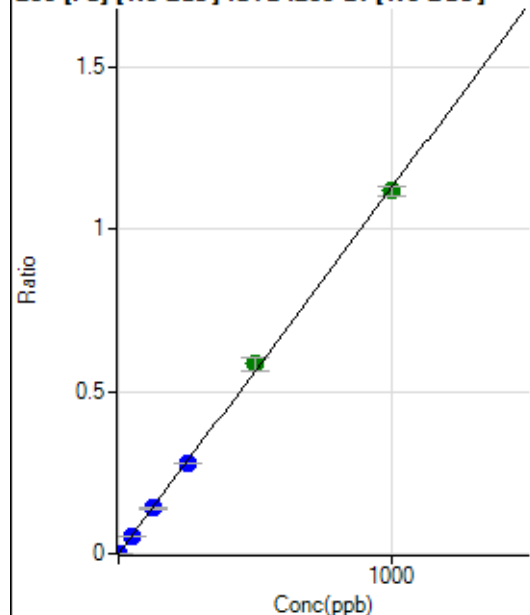
$$DL = 0.009441$$

$$BEC = 0.01885$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 474.10     | 0.0001 | P        | 4.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.026      | 5901.54    | 0.0013 | P        | 4.7 |
| 4 | <input type="checkbox"/> | 50.000   | 49.149     | 263434.54  | 0.0555 | P        | 0.3 |
| 5 | <input type="checkbox"/> | 125.000  | 123.927    | 673677.08  | 0.1398 | P        | 1.4 |
| 6 | <input type="checkbox"/> | 250.000  | 247.713    | 1389082.86 | 0.2793 | P        | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 517.823    | 3010790.87 | 0.5837 | A        | 6.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 991.837    | 6076158.59 | 1.1178 | A        | 2.9 |
| 9 | <input type="checkbox"/> |          |            | 11297.94   | 0.0022 | P        | 2.2 |

$$y = 0.0011 * x + 1.0228E-004$$

$$R = 0.9998$$

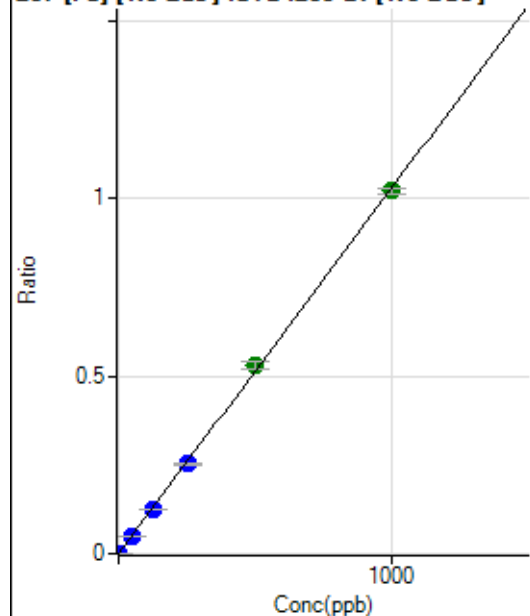
$$DL = 0.01135$$

$$BEC = 0.09076$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 405.57     | 0.0001 | P        | 13.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.037      | 5412.45    | 0.0012 | P        | 1.5  |
| 4 | <input type="checkbox"/> | 50.000   | 49.061     | 240102.16  | 0.0506 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 122.265    | 606939.82  | 0.1259 | P        | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 245.935    | 1259382.64 | 0.2532 | P        | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 516.738    | 2745225.03 | 0.5319 | A        | 4.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.036    | 5556078.54 | 1.0220 | A        | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 9696.60    | 0.0019 | P        | 3.0  |

$$y = 0.0010 * x + 8.7491E-005$$

$$R = 0.9998$$

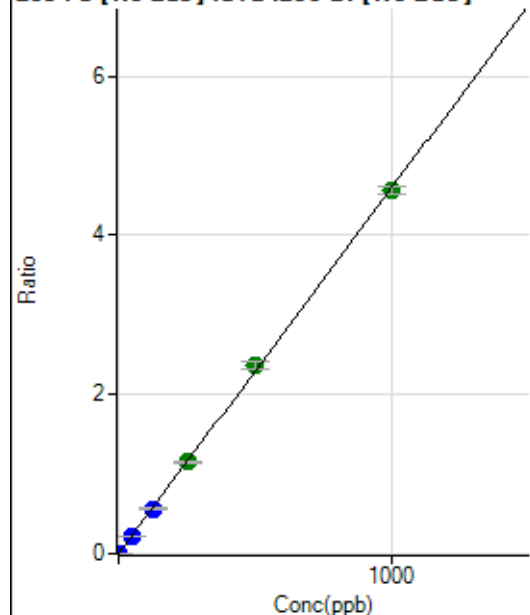
$$DL = 0.03529$$

$$BEC = 0.08502$$

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      | 1814.92     | 0.0004 | P        | 5.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.032      | 24068.91    | 0.0051 | P        | 2.4 |
| 4 | <input type="checkbox"/> | 50.000   | 49.020     | 1070849.05  | 0.2256 | P        | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 123.285    | 2731736.91  | 0.5667 | P        | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 249.824    | 5710258.27  | 1.1480 | A        | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 515.700    | 12227282.30 | 2.3693 | A        | 4.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 992.458    | 24785128.62 | 4.5593 | A        | 2.0 |
| 9 | <input type="checkbox"/> |          |            | 44923.10    | 0.0089 | P        | 2.7 |

$$y = 0.0046 * x + 3.9161E-004$$

$$R = 0.9998$$

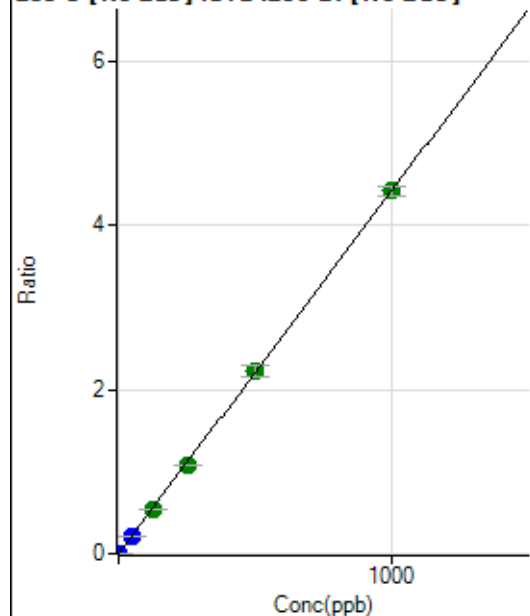
$$DL = 0.01471$$

$$BEC = 0.08525$$

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      | 213.90      | 0.0000 | P        | 42.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.831      | 17437.93    | 0.0037 | P        | 1.2  |
| 4 | <input type="checkbox"/> | 50.000   | 46.965     | 985791.53   | 0.2077 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 121.805    | 2595777.53  | 0.5385 | A        | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 245.041    | 5388530.89  | 1.0832 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 503.300    | 11479810.59 | 2.2249 | A        | 5.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.141   | 24033757.48 | 4.4211 | A        | 2.4  |
| 9 | <input type="checkbox"/> |          |            | 1702.99     | 0.0003 | P        | 7.1  |

$$y = 0.0044 * x + 4.6030E-005$$

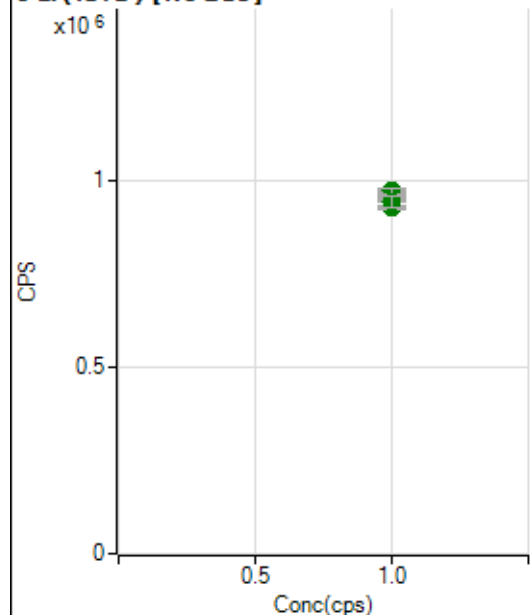
$$R = 1.0000$$

$$DL = 0.01314$$

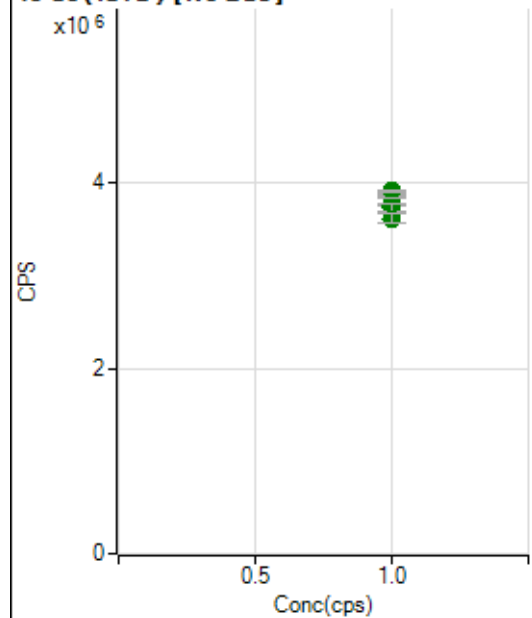
$$BEC = 0.01041$$

Weight: &lt;None&gt;

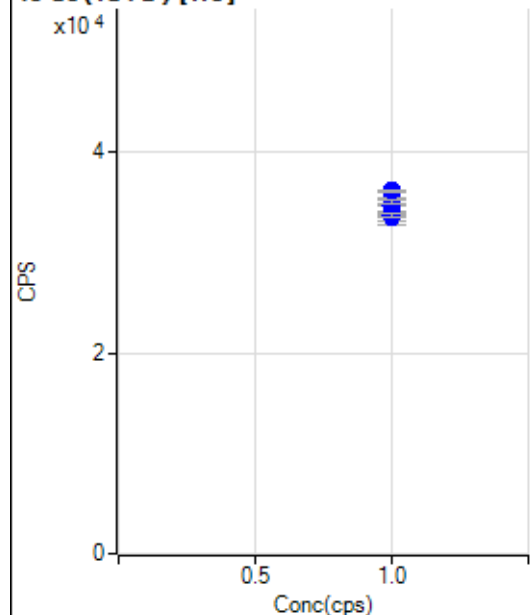
Min Conc: 0

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

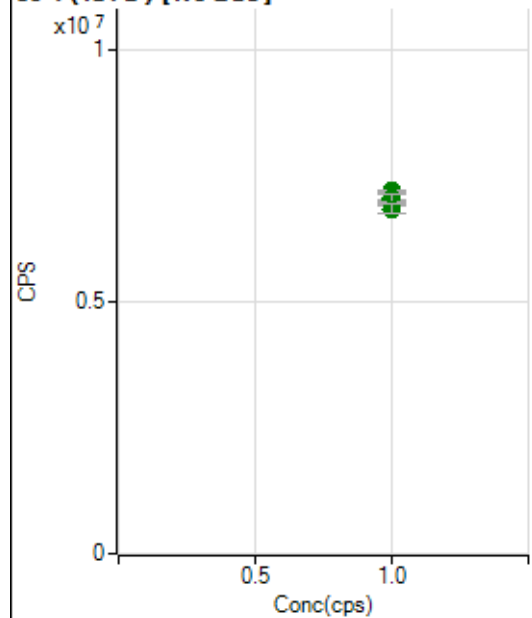
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 923920.98 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 940120.26 |       | A        | 1.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 955987.73 |       | A        | 1.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 968138.30 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 970639.28 |       | A        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 959133.44 |       | A        | 4.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 969972.68 |       | A        | 1.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 943041.38 |       | A        | 3.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3770141.49 |       | A        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 3844055.73 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 3865770.70 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3866998.18 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3919183.25 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3761554.77 |       | A        | 4.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3741498.35 |       | A        | 2.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3624856.29 |       | A        | 2.5 |

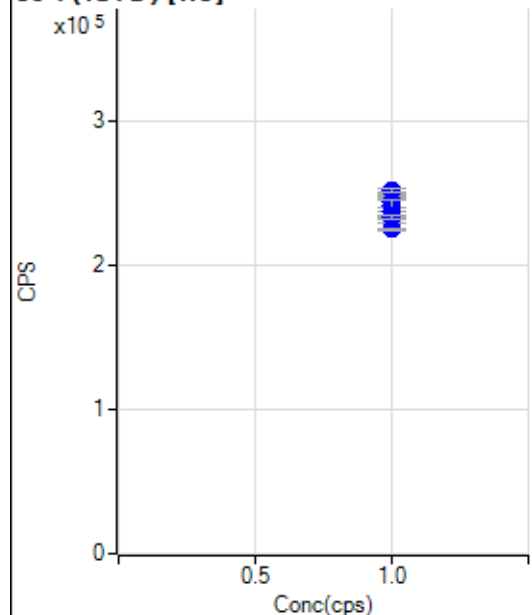
**45 Sc (ISTD) [He]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 33678.43 |       | P        | 5.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |          |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 35348.02 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 34735.49 |       | P        | 3.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 36115.42 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 33832.31 |       | P        | 6.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 33927.75 |       | P        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 33466.71 |       | P        | 1.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 33620.45 |       | P        | 1.0 |

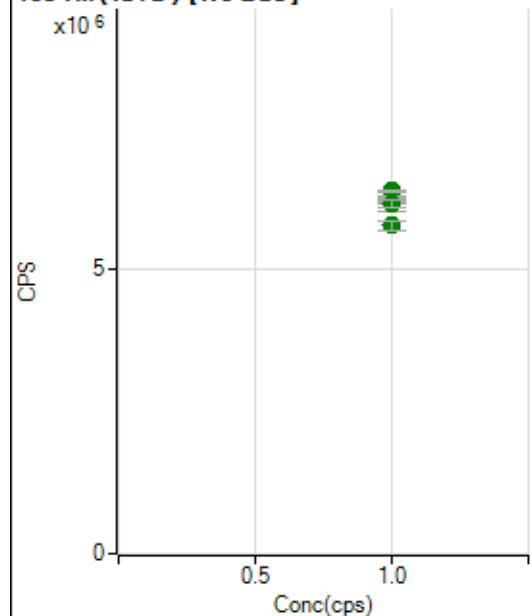
**89 Y (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6963400.80 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6974542.60 |       | A        | 1.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7135713.09 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7186983.09 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7213388.58 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 7048356.84 |       | A        | 3.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 7060038.51 |       | A        | 2.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6860307.74 |       | A        | 2.5 |

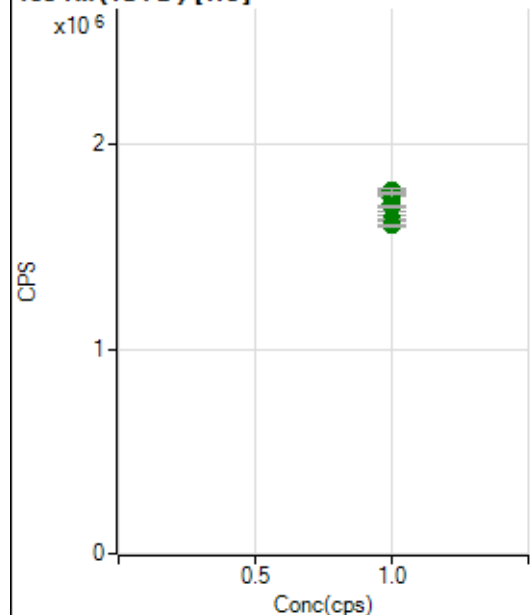


**89 Y(ISTD) [He]**

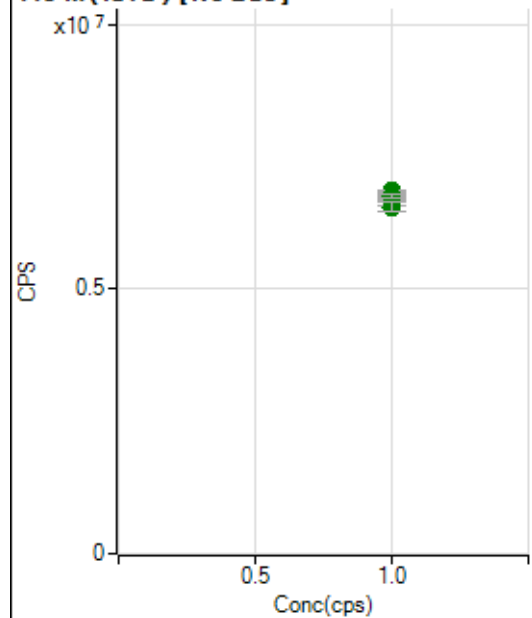
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 242177.33 |       | P        | 3.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 247984.86 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 245104.58 |       | P        | 3.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 252085.31 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 237467.46 |       | P        | 6.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 234734.93 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 225447.27 |       | P        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 233749.40 |       | P        | 0.7 |

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

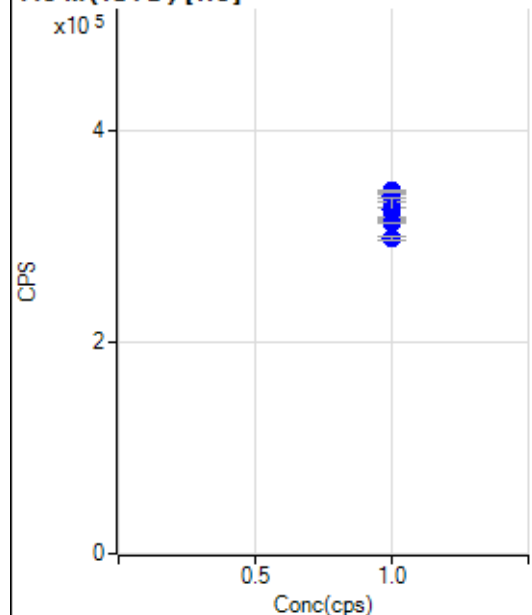
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6183714.81 |       | A        | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6172327.39 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6258089.81 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6250088.77 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6376475.32 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6141139.81 |       | A        | 4.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6143613.07 |       | A        | 2.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5767269.44 |       | A        | 2.7 |

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

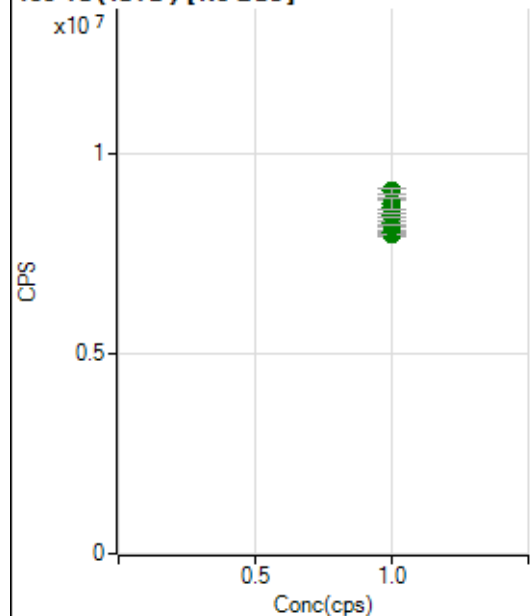
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1714971.55 |       | A        | 4.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1773052.71 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1744392.91 |       | A        | 4.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1774981.81 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1704500.48 |       | A        | 6.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1698577.40 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1633979.93 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1604473.21 |       | A        | 0.8 |

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

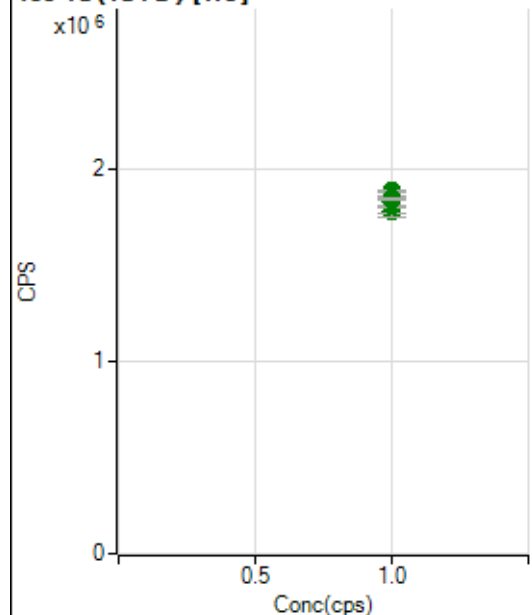
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6568017.95 |       | A        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6670073.66 |       | A        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6757769.91 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6745687.63 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6850211.60 |       | A        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6755759.12 |       | A        | 3.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6755764.47 |       | A        | 1.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 6545935.27 |       | A        | 2.5 |

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

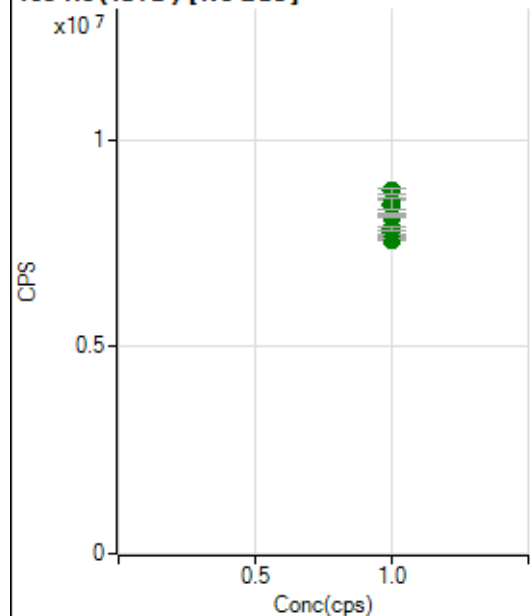
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 333097.88 |       | P        | 3.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 342350.06 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 337901.12 |       | P        | 3.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 343123.61 |       | P        | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 325532.16 |       | P        | 6.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 317648.09 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 297859.80 |       | P        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 312807.89 |       | P        | 0.2 |

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

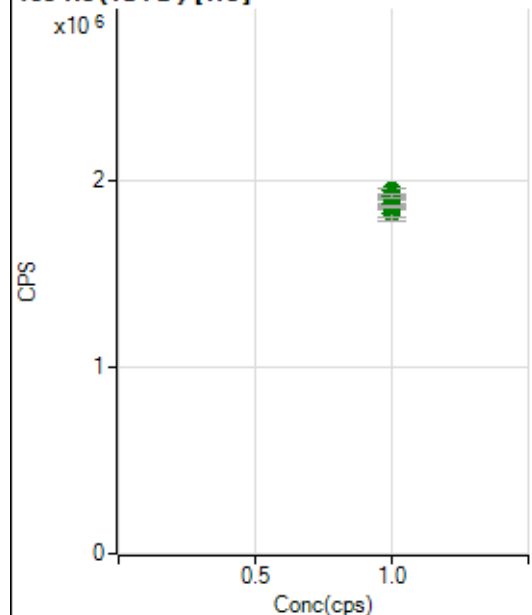
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7965302.17 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 8004060.51 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8179623.77 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8273996.96 |       | A        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8448663.00 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8659417.02 |       | A        | 3.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9054552.02 |       | A        | 1.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8740789.52 |       | A        | 3.0 |

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

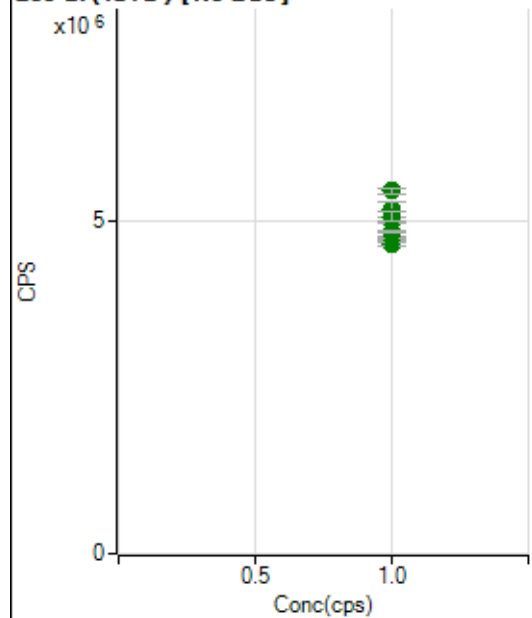
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1776059.66 |       | A        | 3.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1848129.09 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1841421.27 |       | A        | 4.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1885230.99 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1831080.53 |       | A        | 6.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1853170.32 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1806432.68 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1842727.00 |       | A        | 0.7 |

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

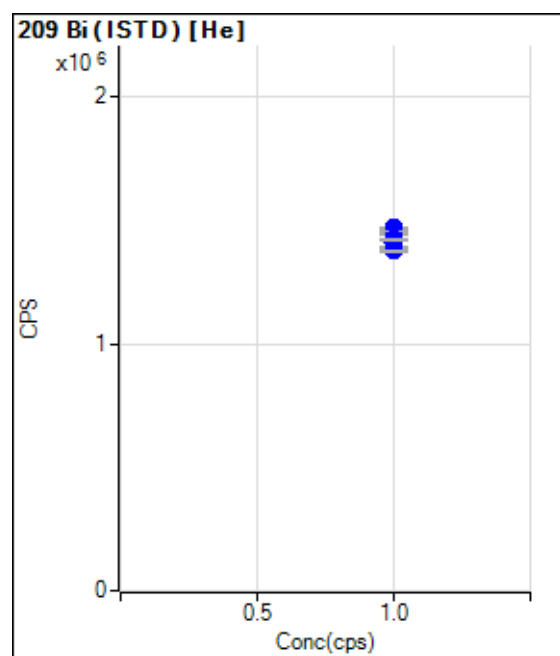
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 7576995.40 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 7621511.80 |       | A        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 7768089.15 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 7842795.05 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8143490.28 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8377780.74 |       | A        | 3.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8755366.86 |       | A        | 1.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8452017.90 |       | A        | 3.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1826928.88 |       | A        | 4.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1892116.95 |       | A        | 1.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1873364.69 |       | A        | 2.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1943861.76 |       | A        | 1.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1861705.63 |       | A        | 6.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1911895.32 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1861956.94 |       | A        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1917109.10 |       | A        | 1.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4636020.31 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 4687794.83 |       | A        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4747455.83 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4820464.30 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4974319.93 |       | A        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5168002.70 |       | A        | 4.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5437290.89 |       | A        | 1.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5049346.87 |       | A        | 2.9 |



|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1411923.00 |       | P        | 4.0 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1437806.56 |       | P        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1421654.58 |       | P        | 3.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1468729.18 |       | P        | 0.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1425049.06 |       | P        | 6.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1454304.06 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1423367.98 |       | P        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1375274.69 |       | P        | 0.3 |

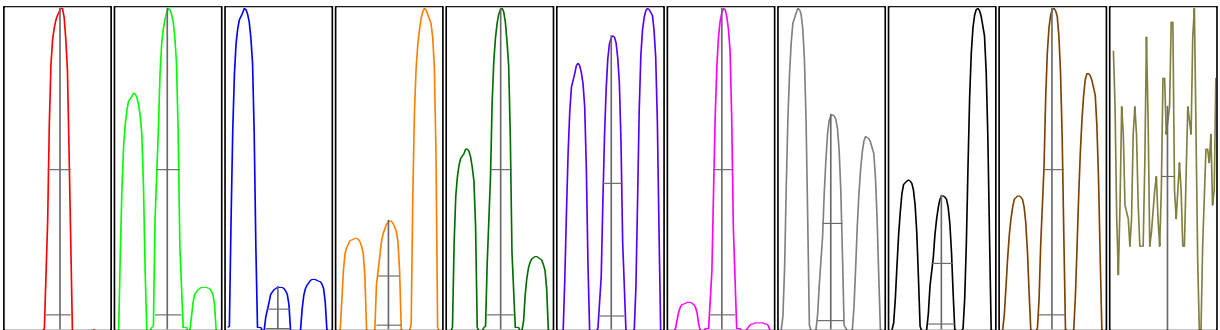
US EPA Tune Check Sample Report

Batch Folder D:\P8082517-MS.b  
Report Comment  
Instrument Name G8403A JP17141814

| [No Gas] |                 |                  |                    |                |
|----------|-----------------|------------------|--------------------|----------------|
| Mass     | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
| 9        | 7948            | 1.09             | 5.00               |                |
| 24       | 67010           | 1.52             | 5.00               |                |
| 25       | 9023            | 1.24             | 5.00               |                |
| 26       | 10691           | 1.31             | 5.00               |                |
| 59       | 93681           | 1.34             | 5.00               |                |
| 113      | 12873           | 0.88             | 5.00               |                |
| 115      | 161011          | 0.88             | 5.00               |                |
| 206      | 31920           | 0.62             | 5.00               |                |
| 207      | 29011           | 0.75             | 5.00               |                |
| 208      | 69240           | 0.50             | 5.00               |                |
| 220      | 1               | 25.45            |                    |                |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 7833                 | 8057                 | 7997                 | 7953                 | 7898                 |
| 24   | 65437                | 68150                | 67482                | 67241                | 66742                |
| 25   | 8847                 | 9143                 | 9080                 | 9050                 | 8997                 |
| 26   | 10449                | 10784                | 10771                | 10756                | 10693                |
| 59   | 91788                | 94280                | 93317                | 95153                | 93869                |
| 113  | 12693                | 13005                | 12914                | 12880                | 12872                |
| 115  | 160250               | 163122               | 159471               | 161617               | 160594               |
| 206  | 31849                | 31663                | 31905                | 32211                | 31975                |
| 207  | 28990                | 28707                | 28990                | 29320                | 29045                |
| 208  | 69261                | 68795                | 69239                | 69756                | 69148                |
| 220  | 1                    | 1                    | 1                    | 1                    | 1                    |

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    | 13168          | 9.10             | 8.9 - 9.1          |                | 0.739                | 0.900                  |                        |
| 24   | 109252         | 24.00            | 23.9 - 24.1        |                | 0.787                | 0.900                  |                        |
| 25   | 14884          | 25.00            | 24.9 - 25.1        |                | 0.739                | 0.900                  |                        |
| 26   | 17571          | 26.00            | 25.9 - 26.1        |                | 0.741                | 0.900                  |                        |
| 59   | 159984         | 59.05            | 58.9 - 59.1        |                | 0.782                | 0.900                  |                        |
| 113  | 23943          | 113.05           | 112.9 - 113.1      |                | 0.729                | 0.900                  |                        |
| 115  | 296682         | 115.05           | 114.9 - 115.1      |                | 0.731                | 0.900                  |                        |
| 206  | 58524          | 206.00           | 205.9 - 206.1      |                | 0.763                | 0.900                  |                        |
| 207  | 52485          | 207.00           | 206.9 - 207.1      |                | 0.773                | 0.900                  |                        |
| 208  | 125369         | 208.00           | 207.9 - 208.1      |                | 0.768                | 0.900                  |                        |
| 220  | 1              | 220.15           | -                  |                |                      |                        |                        |

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 |
|---------------|-------|------|------------------|-------|-------|---------------|-------|------|
| Plasma Mode   |       | HMI  | Aerosol Dilution |       | HMI-8 |               |       |      |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 8.8   | V    | Deflect       | 14.2  | V    |
| Extract 2     | -240.0 | 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       | 200   | V    |                       |       |      |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 12622           | 0.70             |                    |
| 89   | 3089            | 0.87             |                    |
| 205  | 17738           | 0.54             |                    |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 12699                | 12699                | 12649                | 12497                | 12565                |
| 89   | 3118                 | 3119                 | 3064                 | 3067                 | 3079                 |
| 205  | 17758                | 17890                | 17706                | 17635                | 17700                |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName    | Value | Unit  | ParameterName | Value | Unit |
|---------------|-------|------|------------------|-------|-------|---------------|-------|------|
| Plasma Mode   |       | HMI  | Aerosol Dilution |       | HMI-8 |               |       |      |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 8.8   | V    | Deflect       | 1.8   | V    |
| Extract 2     | -240.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -95    | 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       | 5.0   | mL/min | OctP RF       | 190   | V    |                       |       |      |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:36:32 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 50      | 8       | 17      | 25      | 88.19  | cps   |
| Antimony   | 121-1 | 67      | 75      | 33      | 58      | 37.80  | cps   |
| Arsenic    | 75-2  | 6       | 2       | 13      | 7       | 83.30  | cps   |
| Barium     | 135-1 | 75      | 58      | 33      | 56      | 37.75  | cps   |
| Barium     | 137-1 | 183     | 108     | 100     | 131     | 35.16  | cps   |
| Beryllium  | 9-1   | 78      | 117     | 106     | 100     | 20.03  | cps   |
| Bismuth    | 209-1 | 4609456 | 4685827 | 4612778 | 4636020 | 0.93   | cps   |
| Bismuth    | 209-2 | 1432269 | 1348352 | 1455148 | 1411923 | 3.98   | cps   |
| Boron      | 11-1  | 808     | 808     | 708     | 775     | 7.45   | cps   |
| Boron      | 10-1  | 158     | 58      | 142     | 119     | 44.85  | cps   |
| Cadmium    | 106-1 | 1325    | 1433    | 1342    | 1367    | 4.27   | cps   |
| Cadmium    | 108-1 | 4       | 4       | 13      | 7       | 69.23  | cps   |
| Cadmium    | 111-1 | 941     | 1026    | 964     | 977     | 4.46   | cps   |
| Calcium    | 43-1  | 1600    | 1825    | 2009    | 1811    | 11.29  | cps   |
| Calcium    | 44-1  | 33575   | 32130   | 32539   | 32748   | 2.27   | cps   |
| Chromium   | 52-2  | 667     | 833     | 813     | 771     | 11.80  | cps   |
| Cobalt     | 59-2  | 63      | 67      | 87      | 72      | 17.47  | cps   |
| Copper     | 63-2  | 250     | 243     | 310     | 268     | 13.71  | cps   |
| Dysprosium | 156-1 | 50      | 17      | 33      | 33      | 50.00  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 42      | 50      | 17      | 36      | 48.03  | cps   |
| Erbium     | 164-2 | 0       | 10      | 7       | 6       | 91.64  | cps   |
| Gadolinium | 160-1 | 50      | 67      | 67      | 61      | 15.75  | cps   |
| Gadolinium | 160-2 | 17      | 17      | 17      | 17      | 0.00   | cps   |
| Holmium    | 165-1 | 7557187 | 7653248 | 7520551 | 7576995 | 0.90   | cps   |
| Holmium    | 165-2 | 1837282 | 1742909 | 1900596 | 1826929 | 4.34   | cps   |
| Indium     | 115-1 | 6561581 | 6593401 | 6549072 | 6568018 | 0.35   | cps   |
| Indium     | 115-2 | 335758  | 319296  | 344240  | 333098  | 3.81   | cps   |
| Iron       | 56-2  | 1633    | 1639    | 1645    | 1639    | 0.34   | cps   |
| Iron       | 57-2  | 56      | 67      | 61      | 61      | 9.09   | cps   |
| Lead       | 206-1 | 461     | 467     | 494     | 474     | 3.77   | cps   |
| Lead       | 207-1 | 461     | 406     | 350     | 406     | 13.70  | cps   |
| Lead       | 208-1 | 1900    | 1722    | 1822    | 1815    | 4.91   | cps   |
| Lithium    | 6-1   | 933684  | 915860  | 922219  | 923921  | 0.98   | cps   |
| Magnesium  | 24-2  | 142     | 142     | 117     | 133     | 10.83  | cps   |
| Manganese  | 55-2  | 67      | 83      | 107     | 86      | 23.48  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:36:32 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 158     | 258     | 200     | 206     | 24.44  | cps   |
| Molybdenum | 94-1  | 258     | 233     | 292     | 261     | 11.21  | cps   |
| Molybdenum | 95-1  | 100     | 117     | 83      | 100     | 16.66  | cps   |
| Molybdenum | 96-1  | 233     | 217     | 192     | 214     | 9.81   | cps   |
| Molybdenum | 97-1  | 117     | 167     | 125     | 136     | 19.68  | cps   |
| Neodymium  | 150-1 | 13      | 13      | 13      | 13      | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 210     | 197     | 197     | 201     | 3.83   | cps   |
| Phosphorus | 31-2  | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Potassium  | 39-2  | 3025    | 3075    | 3292    | 3131    | 4.53   | cps   |
| Rhodium    | 103-1 | 6194127 | 6179905 | 6177112 | 6183715 | 0.15   | cps   |
| Rhodium    | 103-2 | 1749955 | 1632546 | 1762413 | 1714972 | 4.18   | cps   |
| Scandium   | 45-1  | 3796452 | 3751405 | 3762567 | 3770141 | 0.62   | cps   |
| Scandium   | 45-2  | 34770   | 31606   | 34660   | 33678   | 5.33   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 0       | 2       | 4       | 2       | 100.00 | cps   |
| Selenium   | 82-1  | -106    | -2      | -60     | -56     | -93.07 | cps   |
| Silicon    | 28-1  | 453445  | 463727  | 452711  | 456627  | 1.35   | cps   |
| Silver     | 109-1 | 42      | 42      | 75      | 53      | 36.46  | cps   |
| Silver     | 107-1 | 58      | 117     | 75      | 83      | 36.05  | cps   |
| Sodium     | 23-2  | 4001    | 3976    | 3859    | 3945    | 1.92   | cps   |
| Strontium  | 86-1  | 1008    | 917     | 758     | 895     | 14.14  | cps   |
| Strontium  | 88-1  | 267     | 192     | 142     | 200     | 31.46  | cps   |
| Sulfur     | 34-1  | 377457  | 380921  | 375230  | 377870  | 0.76   | cps   |
| Terbium    | 159-1 | 8066754 | 7910480 | 7918672 | 7965302 | 1.10   | cps   |
| Terbium    | 159-2 | 1814095 | 1702089 | 1811995 | 1776060 | 3.61   | cps   |
| Thallium   | 203-1 | 167     | 142     | 117     | 142     | 17.65  | cps   |
| Thallium   | 205-1 | 250     | 275     | 342     | 289     | 16.40  | cps   |
| Tin        | 118-1 | 767     | 892     | 933     | 864     | 10.04  | cps   |
| Titanium   | 47-1  | 75      | 183     | 133     | 131     | 41.53  | cps   |
| Uranium    | 238-1 | 125     | 308     | 208     | 214     | 42.92  | cps   |
| Vanadium   | 51-2  | 20      | 17      | 0       | 12      | 87.67  | cps   |
| Yttrium    | 89-1  | 7027287 | 6956941 | 6905975 | 6963401 | 0.87   | cps   |
| Yttrium    | 89-2  | 245941  | 232172  | 248419  | 242177  | 3.61   | cps   |
| Zinc       | 66-2  | 20      | 30      | 13      | 21      | 39.75  | cps   |
| Zirconium  | 90-1  | 633     | 483     | 567     | 561     | 13.39  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:36:32 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 100  | 75   | 58   | 78      | 26.96  | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:43:41 | DataFile Name :   | 005CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 125     | 158     | 150     | 144     | 12.01  | cps   |
| Antimony   | 121-1 | 17045   | 17187   | 16720   | 16984   | 1.41   | cps   |
| Arsenic    | 75-2  | 106     | 126     | 120     | 117     | 8.98   | cps   |
| Barium     | 135-1 | 17829   | 16536   | 16477   | 16948   | 4.51   | cps   |
| Barium     | 137-1 | 29325   | 30085   | 28549   | 29320   | 2.62   | cps   |
| Beryllium  | 9-1   | 1022    | 1072    | 1206    | 1100    | 8.62   | cps   |
| Bismuth    | 209-1 | 4738153 | 4642391 | 4682840 | 4687795 | 1.03   | cps   |
| Bismuth    | 209-2 | 1440240 | 1436021 | 1437159 | 1437807 | 0.15   | cps   |
| Boron      | 11-1  | 13916   | 14149   | 14833   | 14299   | 3.33   | cps   |
| Boron      | 10-1  | 3017    | 2859    | 3117    | 2998    | 4.35   | cps   |
| Cadmium    | 106-1 | 1834    | 1483    | 1700    | 1672    | 10.56  | cps   |
| Cadmium    | 108-1 | 121     | 163     | 196     | 160     | 23.53  | cps   |
| Cadmium    | 111-1 | 3124    | 3042    | 2920    | 3029    | 3.39   | cps   |
| Calcium    | 43-1  | 10688   | 11380   | 10746   | 10938   | 3.51   | cps   |
| Calcium    | 44-1  | 180068  | 178935  | 179947  | 179650  | 0.35   | cps   |
| Chromium   | 52-2  | 2717    | 2654    | 2667    | 2679    | 1.25   | cps   |
| Cobalt     | 59-2  | 1984    | 2050    | 1937    | 1990    | 2.86   | cps   |
| Copper     | 63-2  | 3977    | 4077    | 3764    | 3940    | 4.06   | cps   |
| Dysprosium | 156-1 | 33      | 25      | 25      | 28      | 17.31  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 58      | 67      | 58      | 61      | 7.87   | cps   |
| Erbium     | 164-2 | 3       | 13      | 3       | 7       | 86.65  | cps   |
| Gadolinium | 160-1 | 42      | 67      | 50      | 53      | 24.12  | cps   |
| Gadolinium | 160-2 | 20      | 3       | 7       | 10      | 88.20  | cps   |
| Holmium    | 165-1 | 7662010 | 7601374 | 7601152 | 7621512 | 0.46   | cps   |
| Holmium    | 165-2 | 1932074 | 1881517 | 1862760 | 1892117 | 1.89   | cps   |
| Indium     | 115-1 | 6733326 | 6649203 | 6627692 | 6670074 | 0.84   | cps   |
| Indium     | 115-2 | 344933  | 342130  | 339988  | 342350  | 0.72   | cps   |
| Iron       | 56-2  | 31547   | 30712   | 30356   | 30872   | 1.98   | cps   |
| Iron       | 57-2  | 806     | 761     | 767     | 778     | 3.11   | cps   |
| Lead       | 206-1 | 6230    | 5874    | 5601    | 5902    | 5.34   | cps   |
| Lead       | 207-1 | 5546    | 5274    | 5418    | 5412    | 2.52   | cps   |
| Lead       | 208-1 | 24944   | 23771   | 23493   | 24069   | 3.20   | cps   |
| Lithium    | 6-1   | 957356  | 927236  | 935769  | 940120  | 1.65   | cps   |
| Magnesium  | 24-2  | 15159   | 15250   | 14383   | 14931   | 3.19   | cps   |
| Manganese  | 55-2  | 327     | 330     | 333     | 330     | 1.01   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:43:41 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 28172   | 27521   | 28640   | 28111   | 2.00   | cps   |
| Molybdenum | 94-1  | 14166   | 14742   | 14534   | 14481   | 2.01   | cps   |
| Molybdenum | 95-1  | 17387   | 17854   | 17595   | 17612   | 1.33   | cps   |
| Molybdenum | 96-1  | 19373   | 19690   | 19481   | 19515   | 0.83   | cps   |
| Molybdenum | 97-1  | 10663   | 10863   | 11380   | 10969   | 3.37   | cps   |
| Neodymium  | 150-1 | 7       | 7       | 20      | 11      | 69.25  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 853     | 727     | 830     | 803     | 8.39   | cps   |
| Phosphorus | 31-2  | 0       | 17      | 8       | 8       | 100.02 | cps   |
| Potassium  | 39-2  | 12064   | 12264   | 12022   | 12117   | 1.07   | cps   |
| Rhodium    | 103-1 | 6236356 | 6146965 | 6133661 | 6172327 | 0.90   | cps   |
| Rhodium    | 103-2 | 1784761 | 1772161 | 1762236 | 1773053 | 0.64   | cps   |
| Scandium   | 45-1  | 3862993 | 3831495 | 3837679 | 3844056 | 0.43   | cps   |
| Scandium   | 45-2  | 35415   | 35515   | 35114   | 35348   | 0.59   | cps   |
| Selenium   | 77-2  | 10      | 0       | 3       | 4       | 114.60 | cps   |
| Selenium   | 78-2  | 24      | 20      | 24      | 23      | 9.35   | cps   |
| Selenium   | 82-1  | 569     | 547     | 461     | 526     | 10.86  | cps   |
| Silicon    | 28-1  | 485595  | 487350  | 481510  | 484818  | 0.62   | cps   |
| Silver     | 109-1 | 11297   | 11464   | 11163   | 11308   | 1.33   | cps   |
| Silver     | 107-1 | 12465   | 11497   | 11539   | 11833   | 4.62   | cps   |
| Sodium     | 23-2  | 40993   | 40692   | 39990   | 40559   | 1.27   | cps   |
| Strontium  | 86-1  | 3301    | 3542    | 3242    | 3362    | 4.73   | cps   |
| Strontium  | 88-1  | 21343   | 20566   | 20625   | 20845   | 2.07   | cps   |
| Sulfur     | 34-1  | 372649  | 371301  | 372283  | 372078  | 0.19   | cps   |
| Terbium    | 159-1 | 8060796 | 8062142 | 7889244 | 8004061 | 1.24   | cps   |
| Terbium    | 159-2 | 1841452 | 1855589 | 1847347 | 1848129 | 0.38   | cps   |
| Thallium   | 203-1 | 6169    | 5543    | 5768    | 5827    | 5.44   | cps   |
| Thallium   | 205-1 | 14309   | 13842   | 13374   | 13842   | 3.38   | cps   |
| Tin        | 118-1 | 29558   | 28857   | 29592   | 29336   | 1.41   | cps   |
| Titanium   | 47-1  | 4801    | 4801    | 4776    | 4793    | 0.30   | cps   |
| Uranium    | 238-1 | 17463   | 17188   | 17663   | 17438   | 1.37   | cps   |
| Vanadium   | 51-2  | 3237    | 3134    | 3347    | 3239    | 3.29   | cps   |
| Yttrium    | 89-1  | 7106932 | 6909646 | 6907051 | 6974543 | 1.64   | cps   |
| Yttrium    | 89-2  | 249302  | 246910  | 247742  | 247985  | 0.49   | cps   |
| Zinc       | 66-2  | 397     | 363     | 300     | 353     | 13.90  | cps   |
| Zirconium  | 90-1  | 12706   | 11655   | 12782   | 12381   | 5.09   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:43:41 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 3017 | 3059 | 2375 | 2817    | 13.60  | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:47:10 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 6860    | 6368    | 7235    | 6821    | 6.38   | cps   |
| Antimony   | 121-1 | 473908  | 468325  | 474970  | 472401  | 0.76   | cps   |
| Arsenic    | 75-2  | 6146    | 6057    | 6114    | 6106    | 0.74   | cps   |
| Barium     | 135-1 | 484438  | 488143  | 490492  | 487691  | 0.63   | cps   |
| Barium     | 137-1 | 839218  | 847343  | 848123  | 844894  | 0.58   | cps   |
| Beryllium  | 9-1   | 59691   | 59149   | 58787   | 59209   | 0.77   | cps   |
| Bismuth    | 209-1 | 4789505 | 4710126 | 4742737 | 4747456 | 0.84   | cps   |
| Bismuth    | 209-2 | 1464077 | 1362566 | 1438321 | 1421655 | 3.71   | cps   |
| Boron      | 11-1  | 32972   | 34125   | 33833   | 33643   | 1.78   | cps   |
| Boron      | 10-1  | 7386    | 6919    | 6960    | 7088    | 3.65   | cps   |
| Cadmium    | 106-1 | 11672   | 12181   | 12273   | 12042   | 2.69   | cps   |
| Cadmium    | 108-1 | 7140    | 7740    | 7156    | 7345    | 4.65   | cps   |
| Cadmium    | 111-1 | 105954  | 104751  | 105250  | 105318  | 0.57   | cps   |
| Calcium    | 43-1  | 105343  | 104159  | 103060  | 104187  | 1.10   | cps   |
| Calcium    | 44-1  | 1717750 | 1752085 | 1763800 | 1744545 | 1.37   | cps   |
| Chromium   | 52-2  | 49166   | 50407   | 49410   | 49661   | 1.32   | cps   |
| Cobalt     | 59-2  | 105875  | 104407  | 104998  | 105093  | 0.70   | cps   |
| Copper     | 63-2  | 181801  | 181029  | 180563  | 181131  | 0.35   | cps   |
| Dysprosium | 156-1 | 42      | 42      | 8       | 31      | 62.99  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 3       | 3       | 0.00   | cps   |
| Erbium     | 164-1 | 33      | 58      | 8       | 33      | 75.02  | cps   |
| Erbium     | 164-2 | 7       | 3       | 3       | 4       | 43.40  | cps   |
| Gadolinium | 160-1 | 67      | 75      | 50      | 64      | 19.92  | cps   |
| Gadolinium | 160-2 | 17      | 13      | 13      | 14      | 13.35  | cps   |
| Holmium    | 165-1 | 7690467 | 7862753 | 7751048 | 7768089 | 1.13   | cps   |
| Holmium    | 165-2 | 1921614 | 1824269 | 1874211 | 1873365 | 2.60   | cps   |
| Indium     | 115-1 | 6760312 | 6759426 | 6753572 | 6757770 | 0.05   | cps   |
| Indium     | 115-2 | 348452  | 324924  | 340327  | 337901  | 3.54   | cps   |
| Iron       | 56-2  | 1702773 | 1720160 | 1706743 | 1709892 | 0.53   | cps   |
| Iron       | 57-2  | 42760   | 42304   | 42409   | 42491   | 0.56   | cps   |
| Lead       | 206-1 | 265293  | 260987  | 264024  | 263435  | 0.84   | cps   |
| Lead       | 207-1 | 240797  | 239704  | 239806  | 240102  | 0.25   | cps   |
| Lead       | 208-1 | 1074920 | 1065136 | 1072491 | 1070849 | 0.48   | cps   |
| Lithium    | 6-1   | 969818  | 946470  | 951675  | 955988  | 1.28   | cps   |
| Magnesium  | 24-2  | 170712  | 171403  | 171633  | 171250  | 0.28   | cps   |
| Manganese  | 55-2  | 28720   | 28606   | 27544   | 28290   | 2.29   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:47:10 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 323453  | 324299  | 324368  | 324040  | 0.16   | cps   |
| Molybdenum | 94-1  | 373555  | 377965  | 376330  | 375950  | 0.59   | cps   |
| Molybdenum | 95-1  | 201238  | 205855  | 203361  | 203484  | 1.14   | cps   |
| Molybdenum | 96-1  | 257478  | 261448  | 261196  | 260040  | 0.85   | cps   |
| Molybdenum | 97-1  | 125047  | 127285  | 125720  | 126018  | 0.91   | cps   |
| Neodymium  | 150-1 | 40      | 27      | 53      | 40      | 33.33  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 31232   | 31553   | 30614   | 31133   | 1.53   | cps   |
| Phosphorus | 31-2  | 600     | 508     | 517     | 542     | 9.36   | cps   |
| Potassium  | 39-2  | 55226   | 56606   | 54281   | 55371   | 2.11   | cps   |
| Rhodium    | 103-1 | 6255793 | 6221630 | 6296846 | 6258090 | 0.60   | cps   |
| Rhodium    | 103-2 | 1818741 | 1666297 | 1748141 | 1744393 | 4.37   | cps   |
| Scandium   | 45-1  | 3855243 | 3888976 | 3853093 | 3865771 | 0.52   | cps   |
| Scandium   | 45-2  | 35990   | 33761   | 34456   | 34735   | 3.28   | cps   |
| Selenium   | 77-2  | 47      | 47      | 33      | 42      | 18.24  | cps   |
| Selenium   | 78-2  | 159     | 143     | 174     | 159     | 9.93   | cps   |
| Selenium   | 82-1  | 6469    | 6521    | 6550    | 6514    | 0.63   | cps   |
| Silicon    | 28-1  | 678780  | 677273  | 671307  | 675787  | 0.58   | cps   |
| Silver     | 109-1 | 482531  | 482036  | 485272  | 483280  | 0.36   | cps   |
| Silver     | 107-1 | 510398  | 509418  | 510124  | 509980  | 0.10   | cps   |
| Sodium     | 23-2  | 411368  | 412997  | 412499  | 412288  | 0.20   | cps   |
| Strontium  | 86-1  | 135155  | 135803  | 135130  | 135363  | 0.28   | cps   |
| Strontium  | 88-1  | 1161764 | 1164031 | 1164122 | 1163306 | 0.11   | cps   |
| Sulfur     | 34-1  | 408671  | 410764  | 411975  | 410470  | 0.41   | cps   |
| Terbium    | 159-1 | 8176652 | 8208367 | 8153852 | 8179624 | 0.33   | cps   |
| Terbium    | 159-2 | 1913968 | 1761207 | 1849089 | 1841421 | 4.16   | cps   |
| Thallium   | 203-1 | 329224  | 329694  | 330312  | 329743  | 0.17   | cps   |
| Thallium   | 205-1 | 777033  | 774547  | 767706  | 773095  | 0.62   | cps   |
| Tin        | 118-1 | 328861  | 330115  | 331103  | 330026  | 0.34   | cps   |
| Titanium   | 47-1  | 54140   | 53469   | 54247   | 53952   | 0.78   | cps   |
| Uranium    | 238-1 | 987427  | 981871  | 988077  | 985792  | 0.35   | cps   |
| Vanadium   | 51-2  | 35809   | 36705   | 36374   | 36296   | 1.25   | cps   |
| Yttrium    | 89-1  | 7135387 | 7130050 | 7141703 | 7135713 | 0.08   | cps   |
| Yttrium    | 89-2  | 252936  | 236151  | 246227  | 245105  | 3.45   | cps   |
| Zinc       | 66-2  | 16513   | 16023   | 16657   | 16398   | 2.03   | cps   |
| Zirconium  | 90-1  | 716137  | 720368  | 719947  | 718818  | 0.32   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:47:10 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 162855 | 161516 | 159458 | 161277  | 1.06   | cps   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:50:38 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 17061   | 17169   | 16969   | 17066   | 0.59   | cps   |
| Antimony   | 121-1 | 1213633 | 1212505 | 1213767 | 1213302 | 0.06   | cps   |
| Arsenic    | 75-2  | 14904   | 15019   | 15101   | 15008   | 0.66   | cps   |
| Barium     | 135-1 | 1243691 | 1251249 | 1234411 | 1243117 | 0.68   | cps   |
| Barium     | 137-1 | 2203825 | 2191796 | 2135011 | 2176877 | 1.69   | cps   |
| Beryllium  | 9-1   | 147161  | 146537  | 148744  | 147481  | 0.77   | cps   |
| Bismuth    | 209-1 | 4848492 | 4787638 | 4825263 | 4820464 | 0.64   | cps   |
| Bismuth    | 209-2 | 1473524 | 1468611 | 1464053 | 1468729 | 0.32   | cps   |
| Boron      | 11-1  | 80636   | 82101   | 82387   | 81708   | 1.15   | cps   |
| Boron      | 10-1  | 17653   | 17745   | 17920   | 17773   | 0.76   | cps   |
| Cadmium    | 106-1 | 28823   | 29015   | 28690   | 28843   | 0.57   | cps   |
| Cadmium    | 108-1 | 18734   | 17912   | 19026   | 18558   | 3.11   | cps   |
| Cadmium    | 111-1 | 265662  | 265472  | 264519  | 265218  | 0.23   | cps   |
| Calcium    | 43-1  | 262350  | 256817  | 258830  | 259332  | 1.08   | cps   |
| Calcium    | 44-1  | 4292071 | 4264096 | 4222982 | 4259716 | 0.82   | cps   |
| Chromium   | 52-2  | 122706  | 123987  | 120631  | 122441  | 1.38   | cps   |
| Cobalt     | 59-2  | 263090  | 263048  | 259744  | 261960  | 0.73   | cps   |
| Copper     | 63-2  | 455112  | 451781  | 451774  | 452889  | 0.43   | cps   |
| Dysprosium | 156-1 | 100     | 42      | 25      | 56      | 70.89  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 17      | 0       | 17      | 11      | 86.60  | cps   |
| Erbium     | 164-2 | 10      | 13      | 3       | 9       | 57.30  | cps   |
| Gadolinium | 160-1 | 117     | 67      | 75      | 86      | 31.11  | cps   |
| Gadolinium | 160-2 | 30      | 13      | 7       | 17      | 72.11  | cps   |
| Holmium    | 165-1 | 7844393 | 7947561 | 7736431 | 7842795 | 1.35   | cps   |
| Holmium    | 165-2 | 1973085 | 1933833 | 1924668 | 1943862 | 1.32   | cps   |
| Indium     | 115-1 | 6718206 | 6765367 | 6753490 | 6745688 | 0.36   | cps   |
| Indium     | 115-2 | 345675  | 342553  | 341143  | 343124  | 0.68   | cps   |
| Iron       | 56-2  | 4194955 | 4213002 | 4170181 | 4192713 | 0.51   | cps   |
| Iron       | 57-2  | 105720  | 104790  | 103543  | 104685  | 1.04   | cps   |
| Lead       | 206-1 | 672982  | 679650  | 668399  | 673677  | 0.84   | cps   |
| Lead       | 207-1 | 612989  | 609651  | 598179  | 606940  | 1.28   | cps   |
| Lead       | 208-1 | 2749948 | 2736563 | 2708700 | 2731737 | 0.77   | cps   |
| Lithium    | 6-1   | 953388  | 980972  | 970054  | 968138  | 1.43   | cps   |
| Magnesium  | 24-2  | 426994  | 426761  | 423672  | 425809  | 0.44   | cps   |
| Manganese  | 55-2  | 70390   | 70172   | 69703   | 70088   | 0.50   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:50:38 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 832717  | 817801  | 817244  | 822587  | 1.07   | cps   |
| Molybdenum | 94-1  | 961114  | 958596  | 960019  | 959910  | 0.13   | cps   |
| Molybdenum | 95-1  | 508359  | 514661  | 512271  | 511764  | 0.62   | cps   |
| Molybdenum | 96-1  | 656308  | 654286  | 656836  | 655810  | 0.21   | cps   |
| Molybdenum | 97-1  | 322913  | 320042  | 320016  | 320990  | 0.52   | cps   |
| Neodymium  | 150-1 | 60      | 40      | 60      | 53      | 21.65  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 77132   | 75889   | 75969   | 76330   | 0.91   | cps   |
| Phosphorus | 31-2  | 1192    | 1217    | 1275    | 1228    | 3.48   | cps   |
| Potassium  | 39-2  | 132998  | 132233  | 133311  | 132847  | 0.42   | cps   |
| Rhodium    | 103-1 | 6261781 | 6237186 | 6251299 | 6250089 | 0.20   | cps   |
| Rhodium    | 103-2 | 1790133 | 1784519 | 1750294 | 1774982 | 1.21   | cps   |
| Scandium   | 45-1  | 3874786 | 3868620 | 3857589 | 3866998 | 0.23   | cps   |
| Scandium   | 45-2  | 36214   | 36294   | 35839   | 36115   | 0.67   | cps   |
| Selenium   | 77-2  | 83      | 100     | 97      | 93      | 9.45   | cps   |
| Selenium   | 78-2  | 381     | 411     | 433     | 409     | 6.37   | cps   |
| Selenium   | 82-1  | 16507   | 16511   | 16336   | 16451   | 0.61   | cps   |
| Silicon    | 28-1  | 922449  | 917485  | 889867  | 909934  | 1.93   | cps   |
| Silver     | 109-1 | 1227059 | 1228970 | 1224869 | 1226966 | 0.17   | cps   |
| Silver     | 107-1 | 1296153 | 1293670 | 1289229 | 1293017 | 0.27   | cps   |
| Sodium     | 23-2  | 1027859 | 1021130 | 1035403 | 1028131 | 0.69   | cps   |
| Strontium  | 86-1  | 340398  | 339333  | 337753  | 339162  | 0.39   | cps   |
| Strontium  | 88-1  | 2939434 | 2967984 | 2940408 | 2949276 | 0.55   | cps   |
| Sulfur     | 34-1  | 456061  | 459976  | 465496  | 460511  | 1.03   | cps   |
| Terbium    | 159-1 | 8286830 | 8366047 | 8169114 | 8273997 | 1.20   | cps   |
| Terbium    | 159-2 | 1903281 | 1871295 | 1881117 | 1885231 | 0.87   | cps   |
| Thallium   | 203-1 | 837640  | 838948  | 826215  | 834267  | 0.84   | cps   |
| Thallium   | 205-1 | 2026372 | 2025792 | 2000344 | 2017502 | 0.74   | cps   |
| Tin        | 118-1 | 851020  | 840123  | 833089  | 841411  | 1.07   | cps   |
| Titanium   | 47-1  | 135660  | 133531  | 133439  | 134210  | 0.94   | cps   |
| Uranium    | 238-1 | 2630405 | 2569727 | 2587201 | 2595778 | 1.20   | cps   |
| Vanadium   | 51-2  | 90738   | 90530   | 90380   | 90549   | 0.20   | cps   |
| Yttrium    | 89-1  | 7162236 | 7157996 | 7240717 | 7186983 | 0.65   | cps   |
| Yttrium    | 89-2  | 254564  | 252528  | 249164  | 252085  | 1.08   | cps   |
| Zinc       | 66-2  | 42030   | 42084   | 40670   | 41595   | 1.93   | cps   |
| Zirconium  | 90-1  | 1855598 | 1827872 | 1855385 | 1846285 | 0.86   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:50:38 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 411559 | 406442 | 409288 | 409096  | 0.63   | cps   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : S5 Instrumnet Name : P8  
 Client Sample ID : S5 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 11:54:01 DataFile Name : 008CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 33867   | 33658   | 34376   | 33967   | 1.09   | cps   |
| Antimony   | 121-1 | 2529215 | 2504863 | 2519736 | 2517938 | 0.49   | cps   |
| Arsenic    | 75-2  | 29634   | 30534   | 30025   | 30064   | 1.50   | cps   |
| Barium     | 135-1 | 2580606 | 2575906 | 2564061 | 2573524 | 0.33   | cps   |
| Barium     | 137-1 | 4402349 | 4402906 | 4372672 | 4392642 | 0.39   | cps   |
| Beryllium  | 9-1   | 296405  | 296384  | 297515  | 296768  | 0.22   | cps   |
| Bismuth    | 209-1 | 4977571 | 5001099 | 4944290 | 4974320 | 0.57   | cps   |
| Bismuth    | 209-2 | 1474131 | 1474226 | 1326790 | 1425049 | 5.97   | cps   |
| Boron      | 11-1  | 161987  | 161566  | 164028  | 162527  | 0.81   | cps   |
| Boron      | 10-1  | 33774   | 34526   | 35503   | 34601   | 2.51   | cps   |
| Cadmium    | 106-1 | 56972   | 55448   | 56134   | 56185   | 1.36   | cps   |
| Cadmium    | 108-1 | 37552   | 37156   | 38300   | 37669   | 1.54   | cps   |
| Cadmium    | 111-1 | 537803  | 536860  | 537912  | 537525  | 0.11   | cps   |
| Calcium    | 43-1  | 517238  | 514664  | 513093  | 514998  | 0.41   | cps   |
| Calcium    | 44-1  | 8446701 | 8494406 | 8478233 | 8473113 | 0.29   | cps   |
| Chromium   | 52-2  | 240690  | 237405  | 242335  | 240143  | 1.05   | cps   |
| Cobalt     | 59-2  | 514156  | 514410  | 518728  | 515765  | 0.50   | cps   |
| Copper     | 63-2  | 892949  | 885655  | 894480  | 891028  | 0.53   | cps   |
| Dysprosium | 156-1 | 75      | 58      | 58      | 64      | 15.05  | cps   |
| Dysprosium | 156-2 | 17      | 0       | 7       | 8       | 107.84 | cps   |
| Erbium     | 164-1 | 25      | 92      | 58      | 58      | 57.14  | cps   |
| Erbium     | 164-2 | 10      | 7       | 0       | 6       | 91.64  | cps   |
| Gadolinium | 160-1 | 58      | 67      | 25      | 50      | 44.10  | cps   |
| Gadolinium | 160-2 | 27      | 7       | 3       | 12      | 103.26 | cps   |
| Holmium    | 165-1 | 8152145 | 8184856 | 8093470 | 8143490 | 0.57   | cps   |
| Holmium    | 165-2 | 1939687 | 1924176 | 1721254 | 1861706 | 6.55   | cps   |
| Indium     | 115-1 | 6888467 | 6833604 | 6828564 | 6850212 | 0.49   | cps   |
| Indium     | 115-2 | 338955  | 336696  | 300946  | 325532  | 6.55   | cps   |
| Iron       | 56-2  | 8310456 | 8207598 | 8228361 | 8248805 | 0.66   | cps   |
| Iron       | 57-2  | 210060  | 206676  | 206969  | 207902  | 0.90   | cps   |
| Lead       | 206-1 | 1378067 | 1392644 | 1396537 | 1389083 | 0.70   | cps   |
| Lead       | 207-1 | 1247158 | 1265853 | 1265136 | 1259383 | 0.84   | cps   |
| Lead       | 208-1 | 5679687 | 5731948 | 5719140 | 5710258 | 0.48   | cps   |
| Lithium    | 6-1   | 970402  | 967387  | 974129  | 970639  | 0.35   | cps   |
| Magnesium  | 24-2  | 837023  | 842758  | 851304  | 843695  | 0.85   | cps   |
| Manganese  | 55-2  | 137115  | 137596  | 137960  | 137557  | 0.31   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:54:01 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1684287 | 1709330 | 1686318 | 1693312 | 0.82   | cps   |
| Molybdenum | 94-1  | 1977447 | 1966820 | 1939880 | 1961383 | 0.99   | cps   |
| Molybdenum | 95-1  | 1034036 | 1027581 | 1031443 | 1031020 | 0.32   | cps   |
| Molybdenum | 96-1  | 1317678 | 1323974 | 1331306 | 1324319 | 0.52   | cps   |
| Molybdenum | 97-1  | 650791  | 642693  | 649339  | 647608  | 0.67   | cps   |
| Neodymium  | 150-1 | 133     | 73      | 87      | 98      | 32.22  | cps   |
| Neodymium  | 150-2 | 3       | 7       | 3       | 4       | 43.40  | cps   |
| Nickel     | 60-2  | 149943  | 150736  | 152070  | 150916  | 0.71   | cps   |
| Phosphorus | 31-2  | 2500    | 2675    | 2734    | 2636    | 4.61   | cps   |
| Potassium  | 39-2  | 258540  | 256377  | 261468  | 258795  | 0.99   | cps   |
| Rhodium    | 103-1 | 6397777 | 6345059 | 6386590 | 6376475 | 0.44   | cps   |
| Rhodium    | 103-2 | 1755325 | 1773824 | 1584352 | 1704500 | 6.13   | cps   |
| Scandium   | 45-1  | 3918624 | 3935238 | 3903688 | 3919183 | 0.40   | cps   |
| Scandium   | 45-2  | 34800   | 35381   | 31316   | 33832   | 6.50   | cps   |
| Selenium   | 77-2  | 240     | 203     | 250     | 231     | 10.63  | cps   |
| Selenium   | 78-2  | 774     | 761     | 811     | 782     | 3.32   | cps   |
| Selenium   | 82-1  | 32941   | 33145   | 33108   | 33064   | 0.33   | cps   |
| Silicon    | 28-1  | 1346198 | 1352708 | 1348042 | 1348983 | 0.25   | cps   |
| Silver     | 109-1 | 2577035 | 2513362 | 2552597 | 2547665 | 1.26   | cps   |
| Silver     | 107-1 | 2673579 | 2656161 | 2670762 | 2666834 | 0.35   | cps   |
| Sodium     | 23-2  | 2083780 | 2082915 | 2120715 | 2095803 | 1.03   | cps   |
| Strontium  | 86-1  | 680211  | 684325  | 673417  | 679318  | 0.81   | cps   |
| Strontium  | 88-1  | 5867317 | 5898760 | 5837535 | 5867871 | 0.52   | cps   |
| Sulfur     | 34-1  | 546691  | 543522  | 539541  | 543251  | 0.66   | cps   |
| Terbium    | 159-1 | 8397084 | 8504669 | 8444236 | 8448663 | 0.64   | cps   |
| Terbium    | 159-2 | 1904670 | 1894257 | 1694315 | 1831081 | 6.47   | cps   |
| Thallium   | 203-1 | 1756902 | 1744146 | 1763701 | 1754916 | 0.57   | cps   |
| Thallium   | 205-1 | 4107330 | 4184799 | 4134625 | 4142251 | 0.95   | cps   |
| Tin        | 118-1 | 1757000 | 1751978 | 1738568 | 1749182 | 0.54   | cps   |
| Titanium   | 47-1  | 271756  | 270981  | 269096  | 270611  | 0.51   | cps   |
| Uranium    | 238-1 | 5400397 | 5450562 | 5314634 | 5388531 | 1.28   | cps   |
| Vanadium   | 51-2  | 178994  | 177749  | 180685  | 179143  | 0.82   | cps   |
| Yttrium    | 89-1  | 7240816 | 7250921 | 7148429 | 7213389 | 0.78   | cps   |
| Yttrium    | 89-2  | 245841  | 247401  | 219161  | 237467  | 6.68   | cps   |
| Zinc       | 66-2  | 81568   | 80542   | 82279   | 81463   | 1.07   | cps   |
| Zirconium  | 90-1  | 3734855 | 3700310 | 3705768 | 3713644 | 0.50   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:54:01 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 823212 | 818554 | 812506 | 818091  | 0.66   | cps   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : S6 Instrumnet Name : P8  
 Client Sample ID : S6 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 11:57:18 DataFile Name : 009CAL.S.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 65995    | 64547    | 66038    | 65527    | 1.30   | cps   |
| Antimony   | 121-1 | 4994820  | 5055750  | 5076896  | 5042489  | 0.85   | cps   |
| Arsenic    | 75-2  | 57149    | 56773    | 57223    | 57048    | 0.42   | cps   |
| Barium     | 135-1 | 5143605  | 5218408  | 5154012  | 5172008  | 0.78   | cps   |
| Barium     | 137-1 | 8942661  | 8902366  | 8947247  | 8930758  | 0.28   | cps   |
| Beryllium  | 9-1   | 591476   | 591823   | 599382   | 594227   | 0.75   | cps   |
| Bismuth    | 209-1 | 5313864  | 5277771  | 4912373  | 5168003  | 4.30   | cps   |
| Bismuth    | 209-2 | 1451553  | 1459071  | 1452288  | 1454304  | 0.29   | cps   |
| Boron      | 11-1  | 330214   | 329002   | 339022   | 332746   | 1.64   | cps   |
| Boron      | 10-1  | 70005    | 71119    | 72517    | 71214    | 1.77   | cps   |
| Cadmium    | 106-1 | 108493   | 109332   | 109140   | 108988   | 0.40   | cps   |
| Cadmium    | 108-1 | 74232    | 74714    | 76466    | 75137    | 1.56   | cps   |
| Cadmium    | 111-1 | 1064937  | 1073434  | 1085168  | 1074513  | 0.95   | cps   |
| Calcium    | 43-1  | 1005393  | 1001136  | 1002009  | 1002846  | 0.22   | cps   |
| Calcium    | 44-1  | 16458349 | 16514024 | 16414912 | 16462429 | 0.30   | cps   |
| Chromium   | 52-2  | 462656   | 462038   | 456709   | 460468   | 0.71   | cps   |
| Cobalt     | 59-2  | 987369   | 995773   | 980702   | 987948   | 0.76   | cps   |
| Copper     | 63-2  | 1738185  | 1744896  | 1735954  | 1739678  | 0.27   | cps   |
| Dysprosium | 156-1 | 83       | 83       | 92       | 86       | 5.58   | cps   |
| Dysprosium | 156-2 | 7        | 3        | 17       | 9        | 78.08  | cps   |
| Erbium     | 164-1 | 42       | 58       | 33       | 44       | 28.65  | cps   |
| Erbium     | 164-2 | 7        | 10       | 10       | 9        | 21.63  | cps   |
| Gadolinium | 160-1 | 133      | 125      | 125      | 128      | 3.76   | cps   |
| Gadolinium | 160-2 | 17       | 23       | 27       | 22       | 22.91  | cps   |
| Holmium    | 165-1 | 8486374  | 8621631  | 8025338  | 8377781  | 3.73   | cps   |
| Holmium    | 165-2 | 1929546  | 1897626  | 1908514  | 1911895  | 0.85   | cps   |
| Indium     | 115-1 | 6873311  | 6895367  | 6498599  | 6755759  | 3.30   | cps   |
| Indium     | 115-2 | 318138   | 319812   | 314994   | 317648   | 0.77   | cps   |
| Iron       | 56-2  | 15838382 | 15942011 | 15758008 | 15846134 | 0.58   | cps   |
| Iron       | 57-2  | 394624   | 399873   | 395385   | 396627   | 0.72   | cps   |
| Lead       | 206-1 | 2952959  | 3001950  | 3077463  | 3010791  | 2.08   | cps   |
| Lead       | 207-1 | 2724377  | 2767262  | 2744036  | 2745225  | 0.78   | cps   |
| Lead       | 208-1 | 12141557 | 12248820 | 12291470 | 12227282 | 0.63   | cps   |
| Lithium    | 6-1   | 989321   | 974853   | 913226   | 959133   | 4.21   | cps   |
| Magnesium  | 24-2  | 1676193  | 1681162  | 1663001  | 1673452  | 0.56   | cps   |
| Manganese  | 55-2  | 260270   | 261020   | 257802   | 259697   | 0.65   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:57:18 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 3408857  | 3386698  | 3411444  | 3402333  | 0.40   | cps   |
| Molybdenum | 94-1  | 3893012  | 3941294  | 3932450  | 3922252  | 0.66   | cps   |
| Molybdenum | 95-1  | 2133302  | 2085931  | 2124231  | 2114488  | 1.19   | cps   |
| Molybdenum | 96-1  | 2731370  | 2695304  | 2737389  | 2721354  | 0.84   | cps   |
| Molybdenum | 97-1  | 1296247  | 1296450  | 1306616  | 1299771  | 0.46   | cps   |
| Neodymium  | 150-1 | 193      | 180      | 207      | 193      | 6.90   | cps   |
| Neodymium  | 150-2 | 7        | 3        | 3        | 4        | 43.40  | cps   |
| Nickel     | 60-2  | 289498   | 289090   | 284901   | 287829   | 0.88   | cps   |
| Phosphorus | 31-2  | 4951     | 5235     | 5126     | 5104     | 2.80   | cps   |
| Potassium  | 39-2  | 488637   | 482497   | 480172   | 483769   | 0.90   | cps   |
| Rhodium    | 103-1 | 6294189  | 6304857  | 5824373  | 6141140  | 4.47   | cps   |
| Rhodium    | 103-2 | 1699036  | 1681498  | 1715198  | 1698577  | 0.99   | cps   |
| Scandium   | 45-1  | 3884677  | 3844632  | 3555355  | 3761555  | 4.78   | cps   |
| Scandium   | 45-2  | 33948    | 33924    | 33911    | 33928    | 0.05   | cps   |
| Selenium   | 77-2  | 347      | 420      | 393      | 387      | 9.60   | cps   |
| Selenium   | 78-2  | 1396     | 1470     | 1393     | 1420     | 3.09   | cps   |
| Selenium   | 82-1  | 65198    | 64395    | 65111    | 64901    | 0.68   | cps   |
| Silicon    | 28-1  | 2170431  | 2172111  | 2175514  | 2172685  | 0.12   | cps   |
| Silver     | 109-1 | 4997782  | 5016002  | 5073203  | 5028996  | 0.78   | cps   |
| Silver     | 107-1 | 5262395  | 5296302  | 5234154  | 5264284  | 0.59   | cps   |
| Sodium     | 23-2  | 3987587  | 3978475  | 3929634  | 3965232  | 0.79   | cps   |
| Strontium  | 86-1  | 1337679  | 1343164  | 1341364  | 1340736  | 0.21   | cps   |
| Strontium  | 88-1  | 11585513 | 11604062 | 11591686 | 11593754 | 0.08   | cps   |
| Sulfur     | 34-1  | 688374   | 681232   | 678600   | 682735   | 0.74   | cps   |
| Terbium    | 159-1 | 8829995  | 8871283  | 8276973  | 8659417  | 3.83   | cps   |
| Terbium    | 159-2 | 1852244  | 1866960  | 1840307  | 1853170  | 0.72   | cps   |
| Thallium   | 203-1 | 3713956  | 3722571  | 3771358  | 3735961  | 0.83   | cps   |
| Thallium   | 205-1 | 8625497  | 8776643  | 8811828  | 8737989  | 1.13   | cps   |
| Tin        | 118-1 | 3458685  | 3479163  | 3538470  | 3492106  | 1.19   | cps   |
| Titanium   | 47-1  | 533654   | 524082   | 529820   | 529185   | 0.91   | cps   |
| Uranium    | 238-1 | 11372298 | 11440284 | 11626850 | 11479811 | 1.15   | cps   |
| Vanadium   | 51-2  | 345603   | 342465   | 339845   | 342638   | 0.84   | cps   |
| Yttrium    | 89-1  | 7186500  | 7228488  | 6730083  | 7048357  | 3.92   | cps   |
| Yttrium    | 89-2  | 233698   | 236568   | 233938   | 234735   | 0.68   | cps   |
| Zinc       | 66-2  | 152595   | 155247   | 151894   | 153245   | 1.15   | cps   |
| Zirconium  | 90-1  | 7384555  | 7215258  | 7331263  | 7310358  | 1.18   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:57:18 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1673707 | 1677214 | 1658892 | 1669938 | 0.58   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:00:31 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 128109   | 130166   | 126972   | 128416   | 1.26   | cps   |
| Antimony   | 121-1 | 9890782  | 9875254  | 9904100  | 9890046  | 0.15   | cps   |
| Arsenic    | 75-2  | 109459   | 109090   | 108832   | 109127   | 0.29   | cps   |
| Barium     | 135-1 | 10325995 | 10275912 | 10233918 | 10278608 | 0.45   | cps   |
| Barium     | 137-1 | 17923218 | 17675256 | 17876001 | 17824825 | 0.74   | cps   |
| Beryllium  | 9-1   | 1170455  | 1189370  | 1195618  | 1185148  | 1.11   | cps   |
| Bismuth    | 209-1 | 5520097  | 5448987  | 5342789  | 5437291  | 1.64   | cps   |
| Bismuth    | 209-2 | 1426948  | 1427316  | 1415840  | 1423368  | 0.46   | cps   |
| Boron      | 11-1  | 663024   | 664178   | 674571   | 667257   | 0.95   | cps   |
| Boron      | 10-1  | 140565   | 142020   | 144346   | 142310   | 1.34   | cps   |
| Cadmium    | 106-1 | 213305   | 213738   | 213607   | 213550   | 0.10   | cps   |
| Cadmium    | 108-1 | 142940   | 143820   | 145130   | 143963   | 0.77   | cps   |
| Cadmium    | 111-1 | 2108929  | 2136937  | 2148984  | 2131617  | 0.96   | cps   |
| Calcium    | 43-1  | 1955518  | 1971252  | 1998236  | 1975002  | 1.09   | cps   |
| Calcium    | 44-1  | 31677225 | 31612489 | 31907393 | 31732369 | 0.49   | cps   |
| Chromium   | 52-2  | 878219   | 883277   | 883121   | 881539   | 0.33   | cps   |
| Cobalt     | 59-2  | 1918307  | 1912018  | 1920111  | 1916812  | 0.22   | cps   |
| Copper     | 63-2  | 3334137  | 3275729  | 3296486  | 3302117  | 0.90   | cps   |
| Dysprosium | 156-1 | 158      | 183      | 208      | 183      | 13.64  | cps   |
| Dysprosium | 156-2 | 40       | 23       | 20       | 28       | 38.58  | cps   |
| Erbium     | 164-1 | 50       | 50       | 83       | 61       | 31.50  | cps   |
| Erbium     | 164-2 | 7        | 10       | 0        | 6        | 91.64  | cps   |
| Gadolinium | 160-1 | 175      | 108      | 100      | 128      | 32.17  | cps   |
| Gadolinium | 160-2 | 30       | 30       | 13       | 24       | 39.37  | cps   |
| Holmium    | 165-1 | 8877107  | 8795267  | 8593726  | 8755367  | 1.67   | cps   |
| Holmium    | 165-2 | 1860183  | 1869404  | 1856283  | 1861957  | 0.36   | cps   |
| Indium     | 115-1 | 6799952  | 6823714  | 6643627  | 6755764  | 1.45   | cps   |
| Indium     | 115-2 | 301246   | 296600   | 295733   | 297860   | 1.00   | cps   |
| Iron       | 56-2  | 30015304 | 30203667 | 30305886 | 30174953 | 0.49   | cps   |
| Iron       | 57-2  | 757646   | 760715   | 759921   | 759427   | 0.21   | cps   |
| Lead       | 206-1 | 6041382  | 6016594  | 6170500  | 6076159  | 1.36   | cps   |
| Lead       | 207-1 | 5578688  | 5514294  | 5575253  | 5556079  | 0.65   | cps   |
| Lead       | 208-1 | 24855003 | 24572857 | 24927526 | 24785129 | 0.76   | cps   |
| Lithium    | 6-1   | 983904   | 973204   | 952810   | 969973   | 1.63   | cps   |
| Magnesium  | 24-2  | 3198565  | 3178039  | 3219545  | 3198716  | 0.65   | cps   |
| Manganese  | 55-2  | 496780   | 498524   | 497526   | 497610   | 0.18   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:00:31 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 6558987  | 6534774  | 6565030  | 6552931  | 0.24   | cps   |
| Molybdenum | 94-1  | 7580131  | 7580044  | 7475495  | 7545224  | 0.80   | cps   |
| Molybdenum | 95-1  | 4157081  | 4117730  | 4102261  | 4125691  | 0.69   | cps   |
| Molybdenum | 96-1  | 5240987  | 5211482  | 5222851  | 5225106  | 0.28   | cps   |
| Molybdenum | 97-1  | 2597766  | 2562449  | 2562537  | 2574251  | 0.79   | cps   |
| Neodymium  | 150-1 | 393      | 353      | 387      | 378      | 5.67   | cps   |
| Neodymium  | 150-2 | 13       | 10       | 10       | 11       | 17.30  | cps   |
| Nickel     | 60-2  | 547819   | 548257   | 548545   | 548207   | 0.07   | cps   |
| Phosphorus | 31-2  | 9762     | 9203     | 8928     | 9298     | 4.57   | cps   |
| Potassium  | 39-2  | 919436   | 917937   | 912297   | 916557   | 0.41   | cps   |
| Rhodium    | 103-1 | 6252150  | 6176862  | 6001827  | 6143613  | 2.09   | cps   |
| Rhodium    | 103-2 | 1638751  | 1641882  | 1621307  | 1633980  | 0.68   | cps   |
| Scandium   | 45-1  | 3774375  | 3798054  | 3652066  | 3741498  | 2.09   | cps   |
| Scandium   | 45-2  | 34085    | 33009    | 33306    | 33467    | 1.66   | cps   |
| Selenium   | 77-2  | 807      | 743      | 750      | 767      | 4.54   | cps   |
| Selenium   | 78-2  | 2608     | 2617     | 2537     | 2587     | 1.68   | cps   |
| Selenium   | 82-1  | 124057   | 124346   | 125012   | 124472   | 0.39   | cps   |
| Silicon    | 28-1  | 3609718  | 3664356  | 3650343  | 3641472  | 0.78   | cps   |
| Silver     | 109-1 | 9718281  | 9656718  | 9732593  | 9702531  | 0.42   | cps   |
| Silver     | 107-1 | 10113690 | 10143524 | 10071035 | 10109416 | 0.36   | cps   |
| Sodium     | 23-2  | 7716346  | 7540617  | 7648128  | 7635031  | 1.16   | cps   |
| Strontium  | 86-1  | 2679707  | 2639698  | 2667778  | 2662394  | 0.77   | cps   |
| Strontium  | 88-1  | 22575254 | 22600315 | 22437733 | 22537767 | 0.39   | cps   |
| Sulfur     | 34-1  | 944850   | 949282   | 952013   | 948715   | 0.38   | cps   |
| Terbium    | 159-1 | 9193973  | 9112130  | 8857553  | 9054552  | 1.94   | cps   |
| Terbium    | 159-2 | 1815390  | 1803517  | 1800391  | 1806433  | 0.44   | cps   |
| Thallium   | 203-1 | 7566390  | 7584397  | 7556869  | 7569219  | 0.18   | cps   |
| Thallium   | 205-1 | 17880555 | 17732105 | 17959413 | 17857357 | 0.65   | cps   |
| Tin        | 118-1 | 6875089  | 6912510  | 6850784  | 6879461  | 0.45   | cps   |
| Titanium   | 47-1  | 1021487  | 1023033  | 1016432  | 1020318  | 0.34   | cps   |
| Uranium    | 238-1 | 24161905 | 23682801 | 24256567 | 24033757 | 1.28   | cps   |
| Vanadium   | 51-2  | 661029   | 662695   | 663381   | 662368   | 0.18   | cps   |
| Yttrium    | 89-1  | 7169178  | 7112728  | 6898209  | 7060039  | 2.02   | cps   |
| Yttrium    | 89-2  | 227235   | 225583   | 223523   | 225447   | 0.83   | cps   |
| Zinc       | 66-2  | 293120   | 289211   | 291561   | 291297   | 0.68   | cps   |
| Zirconium  | 90-1  | 14289828 | 14292835 | 14442206 | 14341623 | 0.61   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:00:31 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 3243317 | 3271609 | 3245455 | 3253461 | 0.48   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:03:38 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 652650    | 673066    | 657869    | 661195    | 1.60   | cps   |
| Antimony   | 121-1 | 20467     | 21109     | 21418     | 20998     | 2.31   | cps   |
| Arsenic    | 75-2  | 33        | 35        | 31        | 33        | 5.57   | cps   |
| Barium     | 135-1 | 3484      | 3392      | 3101      | 3326      | 6.02   | cps   |
| Barium     | 137-1 | 5685      | 5843      | 5576      | 5701      | 2.35   | cps   |
| Beryllium  | 9-1   | 444       | 422       | 311       | 393       | 18.20  | cps   |
| Bismuth    | 209-1 | 5129245   | 5137406   | 4881390   | 5049347   | 2.88   | cps   |
| Bismuth    | 209-2 | 1372235   | 1379871   | 1373717   | 1375275   | 0.29   | cps   |
| Boron      | 11-1  | 22602     | 21300     | 19397     | 21100     | 7.64   | cps   |
| Boron      | 10-1  | 4618      | 4418      | 4601      | 4545      | 2.44   | cps   |
| Cadmium    | 106-1 | 1592      | 1567      | 1734      | 1631      | 5.51   | cps   |
| Cadmium    | 108-1 | 38        | 25        | 67        | 43        | 49.66  | cps   |
| Cadmium    | 111-1 | 1426      | 1413      | 1488      | 1442      | 2.78   | cps   |
| Calcium    | 43-1  | 9632465   | 9710613   | 9787806   | 9710294   | 0.80   | cps   |
| Calcium    | 44-1  | 157987699 | 160091466 | 159943554 | 159340906 | 0.74   | cps   |
| Chromium   | 52-2  | 4094      | 4027      | 3817      | 3980      | 3.63   | cps   |
| Cobalt     | 59-2  | 2270      | 2347      | 2424      | 2347      | 3.27   | cps   |
| Copper     | 63-2  | 5071      | 4864      | 5011      | 4982      | 2.13   | cps   |
| Dysprosium | 156-1 | 42        | 117       | 108       | 89        | 46.24  | cps   |
| Dysprosium | 156-2 | 10        | 7         | 13        | 10        | 33.30  | cps   |
| Erbium     | 164-1 | 75        | 33        | 58        | 56        | 37.75  | cps   |
| Erbium     | 164-2 | 10        | 13        | 13        | 12        | 15.73  | cps   |
| Gadolinium | 160-1 | 142       | 75        | 125       | 114       | 30.46  | cps   |
| Gadolinium | 160-2 | 17        | 17        | 23        | 19        | 20.36  | cps   |
| Holmium    | 165-1 | 8542082   | 8664196   | 8149776   | 8452018   | 3.18   | cps   |
| Holmium    | 165-2 | 1906223   | 1943158   | 1901946   | 1917109   | 1.18   | cps   |
| Indium     | 115-1 | 6603305   | 6671512   | 6362989   | 6545935   | 2.48   | cps   |
| Indium     | 115-2 | 312345    | 313554    | 312525    | 312808    | 0.21   | cps   |
| Iron       | 56-2  | 148850048 | 147680464 | 149673831 | 148734781 | 0.67   | cps   |
| Iron       | 57-2  | 3729131   | 3795038   | 3738236   | 3754135   | 0.95   | cps   |
| Lead       | 206-1 | 11600     | 11211     | 11083     | 11298     | 2.38   | cps   |
| Lead       | 207-1 | 9554      | 9882      | 9654      | 9697      | 1.73   | cps   |
| Lead       | 208-1 | 45166     | 44821     | 44782     | 44923     | 0.47   | cps   |
| Lithium    | 6-1   | 960494    | 960071    | 908559    | 943041    | 3.17   | cps   |
| Magnesium  | 24-2  | 15661436  | 15823313  | 15837358  | 15774036  | 0.62   | cps   |
| Manganese  | 55-2  | 1413      | 1133      | 1247      | 1265      | 11.14  | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:03:38 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 6443     | 6819     | 7002     | 6755     | 4.22   | cps   |
| Molybdenum | 94-1  | 3584     | 3609     | 3384     | 3526     | 3.50   | cps   |
| Molybdenum | 95-1  | 4626     | 4418     | 4084     | 4376     | 6.25   | cps   |
| Molybdenum | 96-1  | 6785     | 7561     | 7219     | 7188     | 5.41   | cps   |
| Molybdenum | 97-1  | 2675     | 2842     | 2592     | 2703     | 4.71   | cps   |
| Neodymium  | 150-1 | 93       | 100      | 127      | 107      | 16.53  | cps   |
| Neodymium  | 150-2 | 3        | 17       | 20       | 13       | 66.16  | cps   |
| Nickel     | 60-2  | 1423     | 1623     | 1520     | 1522     | 6.57   | cps   |
| Phosphorus | 31-2  | 0        | 8        | 25       | 11       | 114.58 | cps   |
| Potassium  | 39-2  | 4618060  | 4674226  | 4696396  | 4662894  | 0.87   | cps   |
| Rhodium    | 103-1 | 5866723  | 5846830  | 5588256  | 5767269  | 2.69   | cps   |
| Rhodium    | 103-2 | 1611309  | 1589403  | 1612707  | 1604473  | 0.81   | cps   |
| Scandium   | 45-1  | 3671626  | 3683615  | 3519327  | 3624856  | 2.53   | cps   |
| Scandium   | 45-2  | 34021    | 33360    | 33480    | 33620    | 1.05   | cps   |
| Selenium   | 77-2  | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 0        | 2        | 7        | 3        | 124.95 | cps   |
| Selenium   | 82-1  | 51       | 29       | 30       | 37       | 34.09  | cps   |
| Silicon    | 28-1  | 863697   | 926113   | 935466   | 908425   | 4.29   | cps   |
| Silver     | 109-1 | 917      | 883      | 858      | 886      | 3.30   | cps   |
| Silver     | 107-1 | 1133     | 925      | 892      | 983      | 13.32  | cps   |
| Sodium     | 23-2  | 37999490 | 38295924 | 37963170 | 38086195 | 0.48   | cps   |
| Strontium  | 86-1  | 87499    | 89534    | 89376    | 88803    | 1.27   | cps   |
| Strontium  | 88-1  | 761472   | 767538   | 764368   | 764459   | 0.40   | cps   |
| Sulfur     | 34-1  | 362213   | 363109   | 362041   | 362454   | 0.16   | cps   |
| Terbium    | 159-1 | 8843484  | 8931913  | 8446971  | 8740790  | 2.95   | cps   |
| Terbium    | 159-2 | 1852794  | 1827182  | 1848205  | 1842727  | 0.74   | cps   |
| Thallium   | 203-1 | 2484     | 2409     | 2084     | 2325     | 9.15   | cps   |
| Thallium   | 205-1 | 5760     | 5193     | 5076     | 5343     | 6.84   | cps   |
| Tin        | 118-1 | 5776     | 5593     | 5510     | 5626     | 2.43   | cps   |
| Titanium   | 47-1  | 700      | 842      | 775      | 772      | 9.18   | cps   |
| Uranium    | 238-1 | 1792     | 1592     | 1725     | 1703     | 5.98   | cps   |
| Vanadium   | 51-2  | 267      | 273      | 257      | 266      | 3.16   | cps   |
| Yttrium    | 89-1  | 6975936  | 6938336  | 6666651  | 6860308  | 2.46   | cps   |
| Yttrium    | 89-2  | 234186   | 235049   | 232014   | 233749   | 0.67   | cps   |
| Zinc       | 66-2  | 990      | 1113     | 1073     | 1059     | 5.94   | cps   |
| Zirconium  | 90-1  | 3017     | 2842     | 3184     | 3014     | 5.67   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:03:38 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 633  | 750  | 850  | 745     | 14.57  | cps   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P8  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 12:06:58 DataFile Name : 012ICV01.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 3559    | 3542    | 3726    | 3609    | 2.81   | cps   |
| Antimony   | 121-1 | 2004448 | 2011326 | 2018060 | 2011278 | 0.34   | cps   |
| Arsenic    | 75-2  | 23309   | 23461   | 23659   | 23476   | 0.75   | cps   |
| Barium     | 135-1 | 204785  | 205583  | 205886  | 205418  | 0.28   | cps   |
| Barium     | 137-1 | 357498  | 359282  | 359681  | 358820  | 0.32   | cps   |
| Beryllium  | 9-1   | 116204  | 117101  | 118798  | 117367  | 1.12   | cps   |
| Bismuth    | 209-1 | 5405641 | 5252233 | 5364235 | 5340703 | 1.49   | cps   |
| Bismuth    | 209-2 | 1502722 | 1497113 | 1501867 | 1500567 | 0.20   | cps   |
| Boron      | 11-1  | 321715  | 333011  | 338271  | 330999  | 2.56   | cps   |
| Boron      | 10-1  | 68489   | 68774   | 71839   | 69701   | 2.66   | cps   |
| Cadmium    | 106-1 | 35022   | 33559   | 34454   | 34345   | 2.15   | cps   |
| Cadmium    | 108-1 | 19030   | 19423   | 19456   | 19303   | 1.23   | cps   |
| Cadmium    | 111-1 | 223870  | 221261  | 221551  | 222227  | 0.64   | cps   |
| Calcium    | 43-1  | 45174   | 46377   | 45525   | 45692   | 1.35   | cps   |
| Calcium    | 44-1  | 737495  | 740639  | 738827  | 738987  | 0.21   | cps   |
| Chromium   | 52-2  | 94020   | 93244   | 93211   | 93492   | 0.49   | cps   |
| Cobalt     | 59-2  | 204439  | 202664  | 203811  | 203638  | 0.44   | cps   |
| Copper     | 63-2  | 177379  | 177812  | 177183  | 177458  | 0.18   | cps   |
| Dysprosium | 156-1 | 33      | 8       | 25      | 22      | 57.29  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 108     | 58      | 83      | 83      | 30.00  | cps   |
| Erbium     | 164-2 | 27      | 13      | 13      | 18      | 43.33  | cps   |
| Gadolinium | 160-1 | 83      | 42      | 50      | 58      | 37.80  | cps   |
| Gadolinium | 160-2 | 13      | 20      | 0       | 11      | 91.66  | cps   |
| Holmium    | 165-1 | 8569078 | 8405065 | 8435050 | 8469731 | 1.03   | cps   |
| Holmium    | 165-2 | 1952090 | 1938692 | 1948932 | 1946571 | 0.36   | cps   |
| Indium     | 115-1 | 7055362 | 6857310 | 6900636 | 6937769 | 1.50   | cps   |
| Indium     | 115-2 | 333119  | 330981  | 330055  | 331385  | 0.47   | cps   |
| Iron       | 56-2  | 649399  | 642864  | 643350  | 645204  | 0.56   | cps   |
| Iron       | 57-2  | 16488   | 16527   | 16788   | 16601   | 0.98   | cps   |
| Lead       | 206-1 | 1209315 | 1216400 | 1211676 | 1212464 | 0.30   | cps   |
| Lead       | 207-1 | 1058218 | 1052633 | 1059437 | 1056763 | 0.34   | cps   |
| Lead       | 208-1 | 4903444 | 4896615 | 4917341 | 4905800 | 0.22   | cps   |
| Lithium    | 6-1   | 1007611 | 990001  | 995249  | 997620  | 0.91   | cps   |
| Magnesium  | 24-2  | 39765   | 40417   | 40124   | 40102   | 0.81   | cps   |
| Manganese  | 55-2  | 27113   | 26886   | 26996   | 26998   | 0.42   | cps   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:06:58 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 3362920  | 3372775  | 3309202  | 3348299  | 1.02   | cps   |
| Molybdenum | 94-1  | 3843590  | 3812715  | 3832777  | 3829694  | 0.41   | cps   |
| Molybdenum | 95-1  | 2111232  | 2101512  | 2114408  | 2109051  | 0.32   | cps   |
| Molybdenum | 96-1  | 2704431  | 2720246  | 2681024  | 2701900  | 0.73   | cps   |
| Molybdenum | 97-1  | 1281354  | 1283010  | 1271107  | 1278490  | 0.50   | cps   |
| Neodymium  | 150-1 | 27       | 7        | 7        | 13       | 86.58  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 60421    | 60551    | 61465    | 60812    | 0.94   | cps   |
| Phosphorus | 31-2  | 0        | 33       | 25       | 19       | 89.21  | cps   |
| Potassium  | 39-2  | 42499    | 43117    | 43644    | 43087    | 1.33   | cps   |
| Rhodium    | 103-1 | 6498033  | 6402509  | 6359889  | 6420143  | 1.10   | cps   |
| Rhodium    | 103-2 | 1805232  | 1790804  | 1754522  | 1783519  | 1.46   | cps   |
| Scandium   | 45-1  | 3888847  | 3852674  | 3848589  | 3863370  | 0.57   | cps   |
| Scandium   | 45-2  | 35411    | 34589    | 34853    | 34951    | 1.20   | cps   |
| Selenium   | 77-2  | 177      | 133      | 147      | 152      | 14.58  | cps   |
| Selenium   | 78-2  | 598      | 646      | 602      | 615      | 4.35   | cps   |
| Selenium   | 82-1  | 26306    | 26016    | 26220    | 26181    | 0.57   | cps   |
| Silicon    | 28-1  | 2181995  | 2171052  | 2196420  | 2183156  | 0.58   | cps   |
| Silver     | 109-1 | 989090   | 996969   | 990233   | 992097   | 0.43   | cps   |
| Silver     | 107-1 | 1039870  | 1043938  | 1047016  | 1043608  | 0.34   | cps   |
| Sodium     | 23-2  | 174880   | 172305   | 173081   | 173422   | 0.76   | cps   |
| Strontium  | 86-1  | 1328898  | 1331251  | 1340688  | 1333612  | 0.47   | cps   |
| Strontium  | 88-1  | 11547738 | 11494227 | 11559220 | 11533728 | 0.30   | cps   |
| Sulfur     | 34-1  | 365698   | 367595   | 365451   | 366248   | 0.32   | cps   |
| Terbium    | 159-1 | 8993900  | 8741829  | 8951124  | 8895618  | 1.52   | cps   |
| Terbium    | 159-2 | 1893217  | 1867138  | 1915797  | 1892051  | 1.29   | cps   |
| Thallium   | 203-1 | 1510992  | 1512652  | 1522834  | 1515493  | 0.42   | cps   |
| Thallium   | 205-1 | 3651842  | 3681645  | 3666019  | 3666502  | 0.41   | cps   |
| Tin        | 118-1 | 3511359  | 3501985  | 3497922  | 3503755  | 0.20   | cps   |
| Titanium   | 47-1  | 523678   | 519272   | 526001   | 522983   | 0.65   | cps   |
| Uranium    | 238-1 | 12266398 | 12327021 | 12379332 | 12324250 | 0.46   | cps   |
| Vanadium   | 51-2  | 70025    | 68466    | 70222    | 69571    | 1.38   | cps   |
| Yttrium    | 89-1  | 7240159  | 7219469  | 7252154  | 7237261  | 0.23   | cps   |
| Yttrium    | 89-2  | 245304   | 243620   | 242506   | 243810   | 0.58   | cps   |
| Zinc       | 66-2  | 32512    | 32341    | 31673    | 32175    | 1.38   | cps   |
| Zirconium  | 90-1  | 7155178  | 7231353  | 7175754  | 7187428  | 0.55   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:06:58 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1639703 | 1641063 | 1652270 | 1644345 | 0.42   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:10:03 | DataFile Name :   | 013CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 8       | 17      | 17      | 14      | 34.67  | cps   |
| Antimony   | 121-1 | 1800    | 1792    | 2042    | 1878    | 7.56   | cps   |
| Arsenic    | 75-2  | 9       | 2       | 7       | 6       | 62.47  | cps   |
| Barium     | 135-1 | 42      | 17      | 25      | 28      | 45.82  | cps   |
| Barium     | 137-1 | 58      | 67      | 92      | 72      | 24.02  | cps   |
| Beryllium  | 9-1   | 222     | 189     | 178     | 196     | 11.78  | cps   |
| Bismuth    | 209-1 | 5324264 | 5326262 | 5292239 | 5314255 | 0.36   | cps   |
| Bismuth    | 209-2 | 1484726 | 1486622 | 1486338 | 1485895 | 0.07   | cps   |
| Boron      | 11-1  | 16235   | 15618   | 14608   | 15487   | 5.30   | cps   |
| Boron      | 10-1  | 3609    | 3234    | 3176    | 3339    | 7.04   | cps   |
| Cadmium    | 106-1 | 1675    | 1559    | 1350    | 1528    | 10.78  | cps   |
| Cadmium    | 108-1 | 21      | 4       | 8       | 11      | 78.05  | cps   |
| Cadmium    | 111-1 | 1183    | 1121    | 977     | 1094    | 9.68   | cps   |
| Calcium    | 43-1  | 1642    | 1650    | 1817    | 1703    | 5.80   | cps   |
| Calcium    | 44-1  | 35145   | 35722   | 35521   | 35463   | 0.83   | cps   |
| Chromium   | 52-2  | 687     | 687     | 690     | 688     | 0.28   | cps   |
| Cobalt     | 59-2  | 37      | 53      | 43      | 44      | 18.87  | cps   |
| Copper     | 63-2  | 367     | 333     | 383     | 361     | 7.05   | cps   |
| Dysprosium | 156-1 | 0       | 42      | 17      | 19      | 107.85 | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 42      | 50      | 58      | 50      | 16.67  | cps   |
| Erbium     | 164-2 | 0       | 13      | 13      | 9       | 86.60  | cps   |
| Gadolinium | 160-1 | 42      | 33      | 42      | 39      | 12.38  | cps   |
| Gadolinium | 160-2 | 10      | 3       | 3       | 6       | 69.34  | cps   |
| Holmium    | 165-1 | 8440387 | 8437365 | 8584115 | 8487289 | 0.99   | cps   |
| Holmium    | 165-2 | 1945597 | 1928547 | 1916276 | 1930140 | 0.76   | cps   |
| Indium     | 115-1 | 6991926 | 7121377 | 7092776 | 7068693 | 0.96   | cps   |
| Indium     | 115-2 | 339028  | 336448  | 335669  | 337048  | 0.52   | cps   |
| Iron       | 56-2  | 2339    | 2411    | 2356    | 2369    | 1.60   | cps   |
| Iron       | 57-2  | 72      | 50      | 56      | 59      | 19.51  | cps   |
| Lead       | 206-1 | 872     | 1022    | 828     | 907     | 11.23  | cps   |
| Lead       | 207-1 | 911     | 633     | 783     | 776     | 17.92  | cps   |
| Lead       | 208-1 | 3667    | 3500    | 3384    | 3517    | 4.05   | cps   |
| Lithium    | 6-1   | 1005861 | 977366  | 994017  | 992415  | 1.44   | cps   |
| Magnesium  | 24-2  | 242     | 158     | 208     | 203     | 20.69  | cps   |
| Manganese  | 55-2  | 67      | 63      | 77      | 69      | 10.08  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:10:03 | DataFile Name :   | 013CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 492     | 583     | 500     | 525     | 9.66   | cps   |
| Molybdenum | 94-1  | 483     | 442     | 592     | 506     | 15.32  | cps   |
| Molybdenum | 95-1  | 408     | 333     | 358     | 367     | 10.42  | cps   |
| Molybdenum | 96-1  | 458     | 442     | 400     | 433     | 6.93   | cps   |
| Molybdenum | 97-1  | 300     | 292     | 350     | 314     | 10.05  | cps   |
| Neodymium  | 150-1 | 7       | 13      | 13      | 11      | 34.61  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 223     | 200     | 140     | 188     | 22.90  | cps   |
| Phosphorus | 31-2  | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Potassium  | 39-2  | 3742    | 3151    | 3392    | 3428    | 8.68   | cps   |
| Rhodium    | 103-1 | 6463777 | 6568319 | 6527671 | 6519922 | 0.81   | cps   |
| Rhodium    | 103-2 | 1805002 | 1777742 | 1776498 | 1786414 | 0.90   | cps   |
| Scandium   | 45-1  | 3884257 | 3883761 | 3885816 | 3884611 | 0.03   | cps   |
| Scandium   | 45-2  | 34937   | 34292   | 34055   | 34428   | 1.33   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 4       | 2       | 4       | 3       | 34.64  | cps   |
| Selenium   | 82-1  | -64     | 48      | 39      | 8       | 809.31 | cps   |
| Silicon    | 28-1  | 418204  | 423667  | 421450  | 421107  | 0.65   | cps   |
| Silver     | 109-1 | 258     | 225     | 200     | 228     | 12.85  | cps   |
| Silver     | 107-1 | 233     | 267     | 250     | 250     | 6.67   | cps   |
| Sodium     | 23-2  | 10604   | 9996    | 9645    | 10082   | 4.81   | cps   |
| Strontium  | 86-1  | 942     | 1058    | 925     | 975     | 7.45   | cps   |
| Strontium  | 88-1  | 183     | 267     | 325     | 258     | 27.56  | cps   |
| Sulfur     | 34-1  | 356166  | 354661  | 354360  | 355062  | 0.27   | cps   |
| Terbium    | 159-1 | 8738492 | 8818880 | 8824120 | 8793831 | 0.55   | cps   |
| Terbium    | 159-2 | 1893004 | 1879179 | 1887430 | 1886538 | 0.37   | cps   |
| Thallium   | 203-1 | 600     | 625     | 625     | 617     | 2.34   | cps   |
| Thallium   | 205-1 | 1625    | 1559    | 1567    | 1584    | 2.29   | cps   |
| Tin        | 118-1 | 3109    | 2617    | 2834    | 2853    | 8.64   | cps   |
| Titanium   | 47-1  | 242     | 208     | 167     | 206     | 18.28  | cps   |
| Uranium    | 238-1 | 517     | 492     | 400     | 469     | 13.09  | cps   |
| Vanadium   | 51-2  | 13      | 17      | 10      | 13      | 25.01  | cps   |
| Yttrium    | 89-1  | 7155078 | 7319473 | 7262475 | 7245675 | 1.15   | cps   |
| Yttrium    | 89-2  | 241524  | 241733  | 241341  | 241533  | 0.08   | cps   |
| Zinc       | 66-2  | 43      | 27      | 50      | 40      | 30.04  | cps   |
| Zirconium  | 90-1  | 683     | 717     | 717     | 706     | 2.73   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:10:03 | DataFile Name :   | 013CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 142  | 117  | 117  | 125     | 11.55  | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB89739             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-08-25 12:13:12 | DataFile Name :   | 014ICSA01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 615808   | 611877   | 613125   | 613603   | 0.33   | cps   |
| Antimony   | 121-1 | 12506    | 12348    | 12815    | 12556    | 1.89   | cps   |
| Arsenic    | 75-2  | 57       | 39       | 46       | 48       | 19.61  | cps   |
| Barium     | 135-1 | 2875     | 3117     | 3042     | 3012     | 4.11   | cps   |
| Barium     | 137-1 | 5727     | 5235     | 5218     | 5393     | 5.36   | cps   |
| Beryllium  | 9-1   | 439      | 422      | 456      | 439      | 3.80   | cps   |
| Bismuth    | 209-1 | 5384160  | 5254387  | 5216893  | 5285147  | 1.66   | cps   |
| Bismuth    | 209-2 | 1436741  | 1427074  | 1431533  | 1431783  | 0.34   | cps   |
| Boron      | 11-1  | 12414    | 11980    | 12081    | 12158    | 1.87   | cps   |
| Boron      | 10-1  | 2717     | 3000     | 2375     | 2698     | 11.60  | cps   |
| Cadmium    | 106-1 | 1550     | 1500     | 1508     | 1520     | 1.76   | cps   |
| Cadmium    | 108-1 | 950      | 1033     | 963      | 982      | 4.58   | cps   |
| Cadmium    | 111-1 | 1708     | 1698     | 1666     | 1690     | 1.30   | cps   |
| Calcium    | 43-1  | 2045258  | 2024536  | 2043618  | 2037804  | 0.57   | cps   |
| Calcium    | 44-1  | 32732272 | 32580894 | 32812511 | 32708559 | 0.36   | cps   |
| Chromium   | 52-2  | 18933    | 19087    | 18376    | 18798    | 1.99   | cps   |
| Cobalt     | 59-2  | 2224     | 2234     | 2297     | 2251     | 1.77   | cps   |
| Copper     | 63-2  | 13694    | 13443    | 13607    | 13581    | 0.94   | cps   |
| Dysprosium | 156-1 | 67       | 33       | 50       | 50       | 33.34  | cps   |
| Dysprosium | 156-2 | 10       | 7        | 20       | 12       | 56.76  | cps   |
| Erbium     | 164-1 | 50       | 58       | 75       | 61       | 20.83  | cps   |
| Erbium     | 164-2 | 7        | 7        | 0        | 4        | 86.60  | cps   |
| Gadolinium | 160-1 | 58       | 75       | 117      | 83       | 36.05  | cps   |
| Gadolinium | 160-2 | 27       | 20       | 3        | 17       | 72.13  | cps   |
| Holmium    | 165-1 | 8936359  | 8753521  | 8685245  | 8791709  | 1.48   | cps   |
| Holmium    | 165-2 | 1969909  | 1940170  | 1925273  | 1945117  | 1.17   | cps   |
| Indium     | 115-1 | 7053963  | 6954875  | 7035594  | 7014810  | 0.75   | cps   |
| Indium     | 115-2 | 328573   | 325398   | 325800   | 326590   | 0.53   | cps   |
| Iron       | 56-2  | 61698707 | 61163621 | 61910733 | 61591020 | 0.63   | cps   |
| Iron       | 57-2  | 1593753  | 1568998  | 1567513  | 1576755  | 0.93   | cps   |
| Lead       | 206-1 | 27825    | 27631    | 27447    | 27634    | 0.69   | cps   |
| Lead       | 207-1 | 22648    | 21764    | 22087    | 22166    | 2.02   | cps   |
| Lead       | 208-1 | 105075   | 102790   | 102148   | 103338   | 1.49   | cps   |
| Lithium    | 6-1   | 983834   | 959050   | 961168   | 968017   | 1.42   | cps   |
| Magnesium  | 24-2  | 3251615  | 3245306  | 3193502  | 3230141  | 0.99   | cps   |
| Manganese  | 55-2  | 2077     | 1984     | 2044     | 2035     | 2.32   | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB89739             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-08-25 12:13:12 | DataFile Name :   | 014ICSA01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD   | Units |
|------------|-------|----------|----------|----------|----------|----------|-------|
| Molybdenum | 98-1  | 12810358 | 12879085 | 12914990 | 12868144 | 0.41     | cps   |
| Molybdenum | 94-1  | 4549114  | 4523838  | 4532952  | 4535301  | 0.28     | cps   |
| Molybdenum | 95-1  | 8014774  | 7998234  | 7975845  | 7996284  | 0.24     | cps   |
| Molybdenum | 96-1  | 8512619  | 8592834  | 8521795  | 8542416  | 0.51     | cps   |
| Molybdenum | 97-1  | 5001158  | 4992229  | 4954591  | 4982659  | 0.50     | cps   |
| Neodymium  | 150-1 | 60       | 53       | 40       | 51       | 19.92    | cps   |
| Neodymium  | 150-2 | 3        | 3        | 10       | 6        | 69.34    | cps   |
| Nickel     | 60-2  | 3267     | 3260     | 3284     | 3270     | 0.37     | cps   |
| Phosphorus | 31-2  | 46929    | 47196    | 46828    | 46984    | 0.41     | cps   |
| Potassium  | 39-2  | 1928553  | 1936937  | 1931787  | 1932425  | 0.22     | cps   |
| Rhodium    | 103-1 | 6346803  | 6348494  | 6320268  | 6338522  | 0.25     | cps   |
| Rhodium    | 103-2 | 1728080  | 1686722  | 1712424  | 1709075  | 1.22     | cps   |
| Scandium   | 45-1  | 3932600  | 3870452  | 3903038  | 3902030  | 0.80     | cps   |
| Scandium   | 45-2  | 33985    | 34760    | 34379    | 34374    | 1.13     | cps   |
| Selenium   | 77-2  | 0        | 7        | 0        | 2        | 173.21   | cps   |
| Selenium   | 78-2  | 2        | 4        | 2        | 2        | 43.30    | cps   |
| Selenium   | 82-1  | 6        | 25       | -39      | -3       | -1196.96 | cps   |
| Silicon    | 28-1  | 538961   | 526547   | 526136   | 530548   | 1.37     | cps   |
| Silver     | 109-1 | 1992     | 1792     | 1734     | 1839     | 7.37     | cps   |
| Silver     | 107-1 | 1792     | 1809     | 2084     | 1895     | 8.65     | cps   |
| Sodium     | 23-2  | 7862359  | 7775771  | 7759034  | 7799055  | 0.71     | cps   |
| Strontium  | 86-1  | 88998    | 89367    | 89879    | 89415    | 0.49     | cps   |
| Strontium  | 88-1  | 771571   | 771001   | 772765   | 771779   | 0.12     | cps   |
| Sulfur     | 34-1  | 2626623  | 2611966  | 2640431  | 2626340  | 0.54     | cps   |
| Terbium    | 159-1 | 9155551  | 9050340  | 9079561  | 9095151  | 0.60     | cps   |
| Terbium    | 159-2 | 1918396  | 1889779  | 1863673  | 1890616  | 1.45     | cps   |
| Thallium   | 203-1 | 1067     | 1183     | 1050     | 1100     | 6.61     | cps   |
| Thallium   | 205-1 | 2750     | 2492     | 2625     | 2623     | 4.93     | cps   |
| Tin        | 118-1 | 3359     | 3351     | 3009     | 3239     | 6.17     | cps   |
| Titanium   | 47-1  | 2103488  | 2091644  | 2095102  | 2096744  | 0.29     | cps   |
| Uranium    | 238-1 | 650      | 467      | 667      | 594      | 18.67    | cps   |
| Vanadium   | 51-2  | 113      | 110      | 113      | 112      | 1.72     | cps   |
| Yttrium    | 89-1  | 7424256  | 7419350  | 7423600  | 7422402  | 0.04     | cps   |
| Yttrium    | 89-2  | 242902   | 238273   | 239860   | 240345   | 0.98     | cps   |
| Zinc       | 66-2  | 1827     | 1924     | 1827     | 1859     | 3.00     | cps   |
| Zirconium  | 90-1  | 2375     | 3110     | 2542     | 2676     | 14.39    | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB89739             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-08-25 12:13:12 | DataFile Name :   | 014ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 517  | 683  | 567  | 589     | 14.52  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:16:17 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 621601   | 612742   | 621217   | 618520   | 0.81   | cps   |
| Antimony   | 121-1 | 209867   | 207608   | 209429   | 208968   | 0.57   | cps   |
| Arsenic    | 75-2  | 2184     | 2289     | 2295     | 2256     | 2.78   | cps   |
| Barium     | 135-1 | 45763    | 45337    | 44534    | 45211    | 1.38   | cps   |
| Barium     | 137-1 | 79698    | 77704    | 77872    | 78425    | 1.41   | cps   |
| Beryllium  | 9-1   | 23926    | 23681    | 23130    | 23579    | 1.73   | cps   |
| Bismuth    | 209-1 | 4802884  | 5287883  | 5228561  | 5106443  | 5.18   | cps   |
| Bismuth    | 209-2 | 1419759  | 1422990  | 1425953  | 1422901  | 0.22   | cps   |
| Boron      | 11-1  | 33490    | 33874    | 33123    | 33496    | 1.12   | cps   |
| Boron      | 10-1  | 7194     | 6985     | 7244     | 7141     | 1.92   | cps   |
| Cadmium    | 106-1 | 6102     | 6318     | 6152     | 6191     | 1.83   | cps   |
| Cadmium    | 108-1 | 4380     | 3992     | 3934     | 4102     | 5.91   | cps   |
| Cadmium    | 111-1 | 43827    | 44981    | 43455    | 44088    | 1.81   | cps   |
| Calcium    | 43-1  | 2048000  | 2033095  | 2046018  | 2042371  | 0.40   | cps   |
| Calcium    | 44-1  | 33126493 | 33119278 | 32904861 | 33050211 | 0.38   | cps   |
| Chromium   | 52-2  | 37447    | 37253    | 37343    | 37348    | 0.26   | cps   |
| Cobalt     | 59-2  | 42391    | 42976    | 42251    | 42539    | 0.90   | cps   |
| Copper     | 63-2  | 48896    | 48140    | 48317    | 48451    | 0.82   | cps   |
| Dysprosium | 156-1 | 75       | 8        | 33       | 39       | 86.61  | cps   |
| Dysprosium | 156-2 | 7        | 20       | 0        | 9        | 114.55 | cps   |
| Erbium     | 164-1 | 42       | 92       | 58       | 64       | 39.85  | cps   |
| Erbium     | 164-2 | 13       | 7        | 7        | 9        | 43.25  | cps   |
| Gadolinium | 160-1 | 100      | 125      | 83       | 103      | 20.41  | cps   |
| Gadolinium | 160-2 | 13       | 17       | 30       | 20       | 44.10  | cps   |
| Holmium    | 165-1 | 7917841  | 8726337  | 8722063  | 8455414  | 5.51   | cps   |
| Holmium    | 165-2 | 1942212  | 1956198  | 1955655  | 1951355  | 0.41   | cps   |
| Indium     | 115-1 | 6393779  | 7101533  | 7129300  | 6874871  | 6.06   | cps   |
| Indium     | 115-2 | 325167   | 328687   | 325560   | 326471   | 0.59   | cps   |
| Iron       | 56-2  | 62440707 | 62078924 | 61692936 | 62070856 | 0.60   | cps   |
| Iron       | 57-2  | 1591397  | 1580785  | 1584604  | 1585595  | 0.34   | cps   |
| Lead       | 206-1 | 148537   | 148064   | 146968   | 147856   | 0.54   | cps   |
| Lead       | 207-1 | 127321   | 123798   | 123585   | 124901   | 1.68   | cps   |
| Lead       | 208-1 | 581944   | 572460   | 569505   | 574636   | 1.13   | cps   |
| Lithium    | 6-1   | 862590   | 975593   | 949094   | 929092   | 6.36   | cps   |
| Magnesium  | 24-2  | 3284038  | 3229287  | 3250157  | 3254494  | 0.85   | cps   |
| Manganese  | 55-2  | 7449     | 7125     | 7209     | 7261     | 2.31   | cps   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : ICSAB01 Instrumnet Name : P8  
 Client Sample ID : ICSAB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 12:16:17 DataFile Name : 015ICSB.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 13194454 | 13340649 | 13177825 | 13237642 | 0.68   | cps   |
| Molybdenum | 94-1  | 4906292  | 4877589  | 4877155  | 4887012  | 0.34   | cps   |
| Molybdenum | 95-1  | 8229544  | 8224375  | 8261416  | 8238445  | 0.24   | cps   |
| Molybdenum | 96-1  | 8861657  | 8807299  | 8746213  | 8805057  | 0.66   | cps   |
| Molybdenum | 97-1  | 5148397  | 5165522  | 5125613  | 5146511  | 0.39   | cps   |
| Neodymium  | 150-1 | 47       | 27       | 60       | 44       | 37.74  | cps   |
| Neodymium  | 150-2 | 7        | 3        | 0        | 3        | 100.05 | cps   |
| Nickel     | 60-2  | 14798    | 14798    | 15419    | 15005    | 2.39   | cps   |
| Phosphorus | 31-2  | 47246    | 47941    | 46904    | 47364    | 1.12   | cps   |
| Potassium  | 39-2  | 1929784  | 1963676  | 1942205  | 1945222  | 0.88   | cps   |
| Rhodium    | 103-1 | 5757854  | 6375766  | 6320673  | 6151431  | 5.56   | cps   |
| Rhodium    | 103-2 | 1711593  | 1721480  | 1704221  | 1712431  | 0.51   | cps   |
| Scandium   | 45-1  | 3538185  | 3959918  | 3933850  | 3810651  | 6.20   | cps   |
| Scandium   | 45-2  | 33898    | 33934    | 34265    | 34032    | 0.59   | cps   |
| Selenium   | 77-2  | 23       | 20       | 23       | 22       | 8.65   | cps   |
| Selenium   | 78-2  | 57       | 59       | 54       | 57       | 4.99   | cps   |
| Selenium   | 82-1  | 2493     | 2535     | 2564     | 2530     | 1.40   | cps   |
| Silicon    | 28-1  | 688983   | 690657   | 677233   | 685624   | 1.07   | cps   |
| Silver     | 109-1 | 192998   | 188122   | 188241   | 189787   | 1.47   | cps   |
| Silver     | 107-1 | 201344   | 197554   | 198798   | 199232   | 0.97   | cps   |
| Sodium     | 23-2  | 7882816  | 7799555  | 7836290  | 7839554  | 0.53   | cps   |
| Strontium  | 86-1  | 193560   | 188637   | 190707   | 190968   | 1.29   | cps   |
| Strontium  | 88-1  | 1684302  | 1677798  | 1674890  | 1678997  | 0.29   | cps   |
| Sulfur     | 34-1  | 2635261  | 2634643  | 2650467  | 2640124  | 0.34   | cps   |
| Terbium    | 159-1 | 8234744  | 9133529  | 9040056  | 8802776  | 5.61   | cps   |
| Terbium    | 159-2 | 1879887  | 1863857  | 1894666  | 1879470  | 0.82   | cps   |
| Thallium   | 203-1 | 151486   | 145728   | 149412   | 148875   | 1.96   | cps   |
| Thallium   | 205-1 | 357897   | 350635   | 352838   | 353790   | 1.05   | cps   |
| Tin        | 118-1 | 264807   | 263303   | 260892   | 263001   | 0.75   | cps   |
| Titanium   | 47-1  | 2158426  | 2152631  | 2158944  | 2156667  | 0.16   | cps   |
| Uranium    | 238-1 | 857826   | 846074   | 843759   | 849220   | 0.89   | cps   |
| Vanadium   | 51-2  | 13710    | 13413    | 14131    | 13751    | 2.62   | cps   |
| Yttrium    | 89-1  | 6658171  | 7412476  | 7377676  | 7149441  | 5.96   | cps   |
| Yttrium    | 89-2  | 240623   | 243548   | 240490   | 241554   | 0.72   | cps   |
| Zinc       | 66-2  | 4841     | 4668     | 4928     | 4812     | 2.75   | cps   |
| Zirconium  | 90-1  | 553439   | 551262   | 547781   | 550827   | 0.52   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:16:17 | DataFile Name :   | 015ICSB.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 91-1 | 124517 | 122185 | 123053 | 123252  | 0.96   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV53               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV53               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 12:19:20 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 350213   | 352452   | 348789   | 350485   | 0.53   | cps   |
| Antimony   | 121-1 | 5212611  | 5188912  | 5050560  | 5150695  | 1.70   | cps   |
| Arsenic    | 75-2  | 58664    | 59031    | 58659    | 58785    | 0.36   | cps   |
| Barium     | 135-1 | 5360086  | 5434610  | 5314079  | 5369592  | 1.13   | cps   |
| Barium     | 137-1 | 9232526  | 9321547  | 9224458  | 9259510  | 0.58   | cps   |
| Beryllium  | 9-1   | 603230   | 603711   | 606268   | 604403   | 0.27   | cps   |
| Bismuth    | 209-1 | 5308263  | 5286387  | 5231385  | 5275345  | 0.75   | cps   |
| Bismuth    | 209-2 | 1432049  | 1435140  | 1426441  | 1431210  | 0.31   | cps   |
| Boron      | 11-1  | 339393   | 346227   | 347775   | 344465   | 1.29   | cps   |
| Boron      | 10-1  | 72299    | 72777    | 74276    | 73117    | 1.41   | cps   |
| Cadmium    | 106-1 | 113341   | 109652   | 110829   | 111274   | 1.69   | cps   |
| Cadmium    | 108-1 | 75728    | 76122    | 74077    | 75309    | 1.44   | cps   |
| Cadmium    | 111-1 | 1075836  | 1071103  | 1060534  | 1069157  | 0.73   | cps   |
| Calcium    | 43-1  | 5139330  | 5169218  | 5165092  | 5157880  | 0.31   | cps   |
| Calcium    | 44-1  | 83995283 | 83906616 | 84592812 | 84164904 | 0.44   | cps   |
| Chromium   | 52-2  | 484414   | 479318   | 479645   | 481126   | 0.59   | cps   |
| Cobalt     | 59-2  | 1010085  | 1007019  | 997342   | 1004815  | 0.66   | cps   |
| Copper     | 63-2  | 1746666  | 1747170  | 1736538  | 1743458  | 0.34   | cps   |
| Dysprosium | 156-1 | 133      | 183      | 58       | 125      | 50.33  | cps   |
| Dysprosium | 156-2 | 10       | 20       | 17       | 16       | 32.73  | cps   |
| Erbium     | 164-1 | 58       | 100      | 42       | 67       | 45.07  | cps   |
| Erbium     | 164-2 | 10       | 17       | 10       | 12       | 31.50  | cps   |
| Gadolinium | 160-1 | 125      | 125      | 142      | 131      | 7.37   | cps   |
| Gadolinium | 160-2 | 33       | 50       | 30       | 38       | 28.37  | cps   |
| Holmium    | 165-1 | 8691845  | 8798035  | 8707524  | 8732468  | 0.66   | cps   |
| Holmium    | 165-2 | 1994623  | 1985640  | 1955870  | 1978711  | 1.03   | cps   |
| Indium     | 115-1 | 6924596  | 6880834  | 6851281  | 6885570  | 0.54   | cps   |
| Indium     | 115-2 | 323914   | 322923   | 320813   | 322550   | 0.49   | cps   |
| Iron       | 56-2  | 78807621 | 78168535 | 78082218 | 78352792 | 0.51   | cps   |
| Iron       | 57-2  | 2041557  | 2019540  | 1990706  | 2017268  | 1.26   | cps   |
| Lead       | 206-1 | 3063260  | 3070859  | 3090437  | 3074852  | 0.46   | cps   |
| Lead       | 207-1 | 2805398  | 2840064  | 2801679  | 2815714  | 0.75   | cps   |
| Lead       | 208-1 | 12470559 | 12580848 | 12556303 | 12535903 | 0.46   | cps   |
| Lithium    | 6-1   | 971366   | 972613   | 971162   | 971714   | 0.08   | cps   |
| Magnesium  | 24-2  | 8431742  | 8385871  | 8317421  | 8378345  | 0.69   | cps   |
| Manganese  | 55-2  | 272335   | 270173   | 272015   | 271508   | 0.43   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV53               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV53               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 12:19:20 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 3520757  | 3491232  | 3489553  | 3500514  | 0.50   | cps   |
| Molybdenum | 94-1  | 4061377  | 4041006  | 4024477  | 4042287  | 0.46   | cps   |
| Molybdenum | 95-1  | 2187385  | 2220083  | 2178275  | 2195247  | 1.00   | cps   |
| Molybdenum | 96-1  | 2858371  | 2826170  | 2804287  | 2829609  | 0.96   | cps   |
| Molybdenum | 97-1  | 1379834  | 1343333  | 1333520  | 1352229  | 1.80   | cps   |
| Neodymium  | 150-1 | 247      | 267      | 260      | 258      | 3.95   | cps   |
| Neodymium  | 150-2 | 13       | 20       | 7        | 13       | 49.99  | cps   |
| Nickel     | 60-2  | 290782   | 291387   | 290488   | 290886   | 0.16   | cps   |
| Phosphorus | 31-2  | 4726     | 4968     | 5043     | 4912     | 3.37   | cps   |
| Potassium  | 39-2  | 2548277  | 2539971  | 2490802  | 2526350  | 1.23   | cps   |
| Rhodium    | 103-1 | 6229694  | 6213464  | 6139089  | 6194082  | 0.78   | cps   |
| Rhodium    | 103-2 | 1704800  | 1705435  | 1685367  | 1698534  | 0.67   | cps   |
| Scandium   | 45-1  | 3886783  | 3900280  | 3960269  | 3915778  | 1.00   | cps   |
| Scandium   | 45-2  | 34727    | 35234    | 35027    | 34996    | 0.73   | cps   |
| Selenium   | 77-2  | 467      | 357      | 423      | 416      | 13.33  | cps   |
| Selenium   | 78-2  | 1445     | 1480     | 1561     | 1495     | 4.00   | cps   |
| Selenium   | 82-1  | 65528    | 65677    | 65244    | 65483    | 0.34   | cps   |
| Silicon    | 28-1  | 2175871  | 2152380  | 2166387  | 2164879  | 0.55   | cps   |
| Silver     | 109-1 | 5031517  | 4965173  | 4997208  | 4997966  | 0.66   | cps   |
| Silver     | 107-1 | 5264120  | 5274876  | 5240707  | 5259901  | 0.33   | cps   |
| Sodium     | 23-2  | 20348157 | 20491279 | 20263846 | 20367761 | 0.56   | cps   |
| Strontium  | 86-1  | 1417302  | 1418458  | 1421277  | 1419012  | 0.14   | cps   |
| Strontium  | 88-1  | 12288407 | 12352217 | 12282134 | 12307586 | 0.32   | cps   |
| Sulfur     | 34-1  | 654385   | 657318   | 664777   | 658827   | 0.81   | cps   |
| Terbium    | 159-1 | 9070842  | 9134798  | 9043655  | 9083098  | 0.52   | cps   |
| Terbium    | 159-2 | 1902832  | 1909596  | 1905100  | 1905843  | 0.18   | cps   |
| Thallium   | 203-1 | 3818106  | 3787137  | 3788056  | 3797766  | 0.46   | cps   |
| Thallium   | 205-1 | 8884080  | 8944134  | 8825240  | 8884484  | 0.67   | cps   |
| Tin        | 118-1 | 3635488  | 3640272  | 3561260  | 3612340  | 1.23   | cps   |
| Titanium   | 47-1  | 545740   | 545043   | 541770   | 544184   | 0.39   | cps   |
| Uranium    | 238-1 | 12355219 | 12148154 | 12011765 | 12171713 | 1.42   | cps   |
| Vanadium   | 51-2  | 360154   | 362150   | 361534   | 361279   | 0.28   | cps   |
| Yttrium    | 89-1  | 7347018  | 7280698  | 7299997  | 7309238  | 0.47   | cps   |
| Yttrium    | 89-2  | 243995   | 242753   | 242419   | 243056   | 0.34   | cps   |
| Zinc       | 66-2  | 155348   | 154479   | 153761   | 154529   | 0.51   | cps   |
| Zirconium  | 90-1  | 7550615  | 7623984  | 7567361  | 7580653  | 0.51   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV53               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV53               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 12:19:20 | DataFile Name :   | 016CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1733627 | 1749653 | 1715761 | 1733014 | 0.98   | cps   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : CCB53 Instrumnet Name : P8  
 Client Sample ID : CCB53 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 12:22:19 DataFile Name : 017CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 17      | 8       | 0       | 8       | 100.02 | cps   |
| Antimony   | 121-1 | 2825    | 2767    | 2834    | 2809    | 1.29   | cps   |
| Arsenic    | 75-2  | 11      | 6       | 9       | 9       | 32.69  | cps   |
| Barium     | 135-1 | 50      | 42      | 58      | 50      | 16.67  | cps   |
| Barium     | 137-1 | 42      | 75      | 42      | 53      | 36.46  | cps   |
| Beryllium  | 9-1   | 228     | 183     | 172     | 194     | 15.12  | cps   |
| Bismuth    | 209-1 | 5507459 | 5456239 | 5481418 | 5481705 | 0.47   | cps   |
| Bismuth    | 209-2 | 1520060 | 1512781 | 1507037 | 1513292 | 0.43   | cps   |
| Boron      | 11-1  | 11280   | 10946   | 9829    | 10685   | 7.11   | cps   |
| Boron      | 10-1  | 2467    | 2075    | 2367    | 2303    | 8.84   | cps   |
| Cadmium    | 106-1 | 1567    | 1275    | 1392    | 1411    | 10.40  | cps   |
| Cadmium    | 108-1 | 38      | 13      | 17      | 22      | 60.27  | cps   |
| Cadmium    | 111-1 | 1116    | 921     | 1008    | 1015    | 9.62   | cps   |
| Calcium    | 43-1  | 1684    | 1550    | 1717    | 1650    | 5.34   | cps   |
| Calcium    | 44-1  | 37509   | 37025   | 37501   | 37345   | 0.74   | cps   |
| Chromium   | 52-2  | 727     | 700     | 687     | 704     | 2.89   | cps   |
| Cobalt     | 59-2  | 37      | 50      | 67      | 51      | 29.41  | cps   |
| Copper     | 63-2  | 430     | 467     | 420     | 439     | 5.60   | cps   |
| Dysprosium | 156-1 | 8       | 33      | 17      | 19      | 65.47  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 8       | 17      | 33      | 19      | 65.47  | cps   |
| Erbium     | 164-2 | 3       | 17      | 7       | 9       | 78.08  | cps   |
| Gadolinium | 160-1 | 33      | 100     | 83      | 72      | 48.05  | cps   |
| Gadolinium | 160-2 | 7       | 13      | 13      | 11      | 34.61  | cps   |
| Holmium    | 165-1 | 8581059 | 8569909 | 8631652 | 8594206 | 0.38   | cps   |
| Holmium    | 165-2 | 1974715 | 1943077 | 1942412 | 1953401 | 0.95   | cps   |
| Indium     | 115-1 | 7245128 | 7202744 | 7273988 | 7240620 | 0.49   | cps   |
| Indium     | 115-2 | 340549  | 340821  | 338839  | 340070  | 0.32   | cps   |
| Iron       | 56-2  | 3017    | 2939    | 2684    | 2880    | 6.06   | cps   |
| Iron       | 57-2  | 61      | 89      | 89      | 80      | 20.14  | cps   |
| Lead       | 206-1 | 917     | 861     | 806     | 861     | 6.45   | cps   |
| Lead       | 207-1 | 778     | 739     | 900     | 806     | 10.44  | cps   |
| Lead       | 208-1 | 3745    | 3539    | 3611    | 3632    | 2.87   | cps   |
| Lithium    | 6-1   | 1011596 | 1028222 | 1015249 | 1018356 | 0.86   | cps   |
| Magnesium  | 24-2  | 175     | 125     | 158     | 153     | 16.66  | cps   |
| Manganese  | 55-2  | 70      | 80      | 57      | 69      | 16.99  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB53               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB53               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:22:19 | DataFile Name :   | 017CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD  | Units |
|------------|-------|---------|---------|---------|---------|---------|-------|
| Molybdenum | 98-1  | 817     | 1000    | 758     | 858     | 14.69   | cps   |
| Molybdenum | 94-1  | 758     | 767     | 667     | 731     | 7.59    | cps   |
| Molybdenum | 95-1  | 550     | 550     | 533     | 544     | 1.77    | cps   |
| Molybdenum | 96-1  | 708     | 675     | 575     | 653     | 10.63   | cps   |
| Molybdenum | 97-1  | 442     | 383     | 458     | 428     | 9.21    | cps   |
| Neodymium  | 150-1 | 7       | 13      | 20      | 13      | 49.99   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00    | cps   |
| Nickel     | 60-2  | 217     | 177     | 227     | 207     | 12.80   | cps   |
| Phosphorus | 31-2  | 8       | 25      | 8       | 14      | 69.31   | cps   |
| Potassium  | 39-2  | 3634    | 3742    | 3809    | 3728    | 2.37    | cps   |
| Rhodium    | 103-1 | 6582380 | 6555160 | 6646845 | 6594795 | 0.71    | cps   |
| Rhodium    | 103-2 | 1814912 | 1802738 | 1805582 | 1807744 | 0.35    | cps   |
| Scandium   | 45-1  | 3912295 | 3878091 | 3969184 | 3919857 | 1.17    | cps   |
| Scandium   | 45-2  | 34640   | 34466   | 34553   | 34553   | 0.25    | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00    | cps   |
| Selenium   | 78-2  | 4       | 7       | 4       | 5       | 43.39   | cps   |
| Selenium   | 82-1  | 42      | -101    | -90     | -50     | -160.60 | cps   |
| Silicon    | 28-1  | 402482  | 399244  | 404660  | 402129  | 0.68    | cps   |
| Silver     | 109-1 | 558     | 500     | 350     | 469     | 22.90   | cps   |
| Silver     | 107-1 | 608     | 483     | 492     | 528     | 13.24   | cps   |
| Sodium     | 23-2  | 12781   | 12489   | 12348   | 12539   | 1.76    | cps   |
| Strontium  | 86-1  | 917     | 825     | 917     | 886     | 5.97    | cps   |
| Strontium  | 88-1  | 192     | 133     | 192     | 172     | 19.56   | cps   |
| Sulfur     | 34-1  | 347139  | 343763  | 343758  | 344887  | 0.57    | cps   |
| Terbium    | 159-1 | 9031819 | 9080962 | 9055154 | 9055978 | 0.27    | cps   |
| Terbium    | 159-2 | 1932832 | 1912644 | 1897370 | 1914282 | 0.93    | cps   |
| Thallium   | 203-1 | 833     | 717     | 633     | 728     | 13.80   | cps   |
| Thallium   | 205-1 | 1817    | 1667    | 1742    | 1742    | 4.31    | cps   |
| Tin        | 118-1 | 2725    | 2309    | 2200    | 2411    | 11.50   | cps   |
| Titanium   | 47-1  | 200     | 225     | 208     | 211     | 6.03    | cps   |
| Uranium    | 238-1 | 242     | 125     | 242     | 203     | 33.22   | cps   |
| Vanadium   | 51-2  | 27      | 7       | 3       | 12      | 103.26  | cps   |
| Yttrium    | 89-1  | 7463835 | 7327405 | 7377353 | 7389531 | 0.93    | cps   |
| Yttrium    | 89-2  | 247154  | 244915  | 244315  | 245461  | 0.61    | cps   |
| Zinc       | 66-2  | 70      | 40      | 67      | 59      | 27.92   | cps   |
| Zirconium  | 90-1  | 1100    | 1217    | 933     | 1083    | 13.15   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB53               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB53               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:22:19 | DataFile Name :   | 017CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 258  | 242  | 233  | 244     | 5.21   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:25:26 | DataFile Name :   | 018SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 125     | 67      | 225     | 139     | 57.65  | cps   |
| Antimony   | 121-1 | 18772   | 18772   | 18247   | 18597   | 1.63   | cps   |
| Arsenic    | 75-2  | 137     | 98      | 107     | 114     | 17.79  | cps   |
| Barium     | 135-1 | 17754   | 18397   | 18797   | 18316   | 2.87   | cps   |
| Barium     | 137-1 | 32600   | 31814   | 31355   | 31923   | 1.97   | cps   |
| Beryllium  | 9-1   | 1050    | 1233    | 1200    | 1161    | 8.41   | cps   |
| Bismuth    | 209-1 | 5304829 | 5318855 | 5291461 | 5305048 | 0.26   | cps   |
| Bismuth    | 209-2 | 1484095 | 1482108 | 1483148 | 1483117 | 0.07   | cps   |
| Boron      | 11-1  | 20190   | 20248   | 21141   | 20527   | 2.60   | cps   |
| Boron      | 10-1  | 4101    | 4501    | 4109    | 4237    | 5.40   | cps   |
| Cadmium    | 106-1 | 1592    | 1592    | 1408    | 1531    | 6.92   | cps   |
| Cadmium    | 108-1 | 129     | 158     | 129     | 139     | 12.13  | cps   |
| Cadmium    | 111-1 | 2999    | 2904    | 2954    | 2952    | 1.62   | cps   |
| Calcium    | 43-1  | 11163   | 10946   | 10704   | 10938   | 2.10   | cps   |
| Calcium    | 44-1  | 185562  | 186862  | 188829  | 187084  | 0.88   | cps   |
| Chromium   | 52-2  | 2784    | 2474    | 2424    | 2560    | 7.62   | cps   |
| Cobalt     | 59-2  | 1987    | 1947    | 2004    | 1979    | 1.47   | cps   |
| Copper     | 63-2  | 3941    | 4057    | 4114    | 4037    | 2.19   | cps   |
| Dysprosium | 156-1 | 8       | 17      | 8       | 11      | 43.34  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 50      | 92      | 42      | 61      | 43.83  | cps   |
| Erbium     | 164-2 | 17      | 0       | 23      | 13      | 90.13  | cps   |
| Gadolinium | 160-1 | 50      | 42      | 67      | 53      | 24.12  | cps   |
| Gadolinium | 160-2 | 10      | 3       | 7       | 7       | 50.03  | cps   |
| Holmium    | 165-1 | 8525395 | 8555060 | 8525395 | 8535283 | 0.20   | cps   |
| Holmium    | 165-2 | 1986637 | 1959640 | 1958737 | 1968338 | 0.81   | cps   |
| Indium     | 115-1 | 7235852 | 7201086 | 6968960 | 7135300 | 2.03   | cps   |
| Indium     | 115-2 | 343895  | 341969  | 339608  | 341824  | 0.63   | cps   |
| Iron       | 56-2  | 31514   | 31592   | 30929   | 31345   | 1.16   | cps   |
| Iron       | 57-2  | 794     | 806     | 906     | 835     | 7.33   | cps   |
| Lead       | 206-1 | 6796    | 6502    | 6463    | 6587    | 2.77   | cps   |
| Lead       | 207-1 | 6157    | 5996    | 6057    | 6070    | 1.34   | cps   |
| Lead       | 208-1 | 27513   | 26684   | 26395   | 26864   | 2.16   | cps   |
| Lithium    | 6-1   | 1019154 | 999371  | 1000143 | 1006222 | 1.11   | cps   |
| Magnesium  | 24-2  | 15050   | 15418   | 15250   | 15239   | 1.21   | cps   |
| Manganese  | 55-2  | 300     | 330     | 357     | 329     | 8.62   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:25:26 | DataFile Name :   | 018SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 30327   | 29800   | 29884   | 30004   | 0.94   | cps   |
| Molybdenum | 94-1  | 15868   | 16018   | 16185   | 16024   | 0.99   | cps   |
| Molybdenum | 95-1  | 18672   | 18163   | 18722   | 18519   | 1.67   | cps   |
| Molybdenum | 96-1  | 20132   | 20600   | 20909   | 20547   | 1.90   | cps   |
| Molybdenum | 97-1  | 11973   | 11589   | 11480   | 11681   | 2.21   | cps   |
| Neodymium  | 150-1 | 20      | 13      | 7       | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 787     | 733     | 747     | 756     | 3.67   | cps   |
| Phosphorus | 31-2  | 0       | 17      | 17      | 11      | 86.60  | cps   |
| Potassium  | 39-2  | 12798   | 12239   | 12539   | 12526   | 2.23   | cps   |
| Rhodium    | 103-1 | 6675663 | 6627698 | 6506501 | 6603287 | 1.32   | cps   |
| Rhodium    | 103-2 | 1816672 | 1818708 | 1822956 | 1819446 | 0.18   | cps   |
| Scandium   | 45-1  | 3914513 | 3927564 | 3857290 | 3899789 | 0.96   | cps   |
| Scandium   | 45-2  | 35104   | 34673   | 34716   | 34831   | 0.68   | cps   |
| Selenium   | 77-2  | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Selenium   | 78-2  | 4       | 24      | 22      | 17      | 67.60  | cps   |
| Selenium   | 82-1  | 586     | 550     | 567     | 568     | 3.20   | cps   |
| Silicon    | 28-1  | 437284  | 442520  | 438454  | 439419  | 0.63   | cps   |
| Silver     | 109-1 | 12340   | 12606   | 12314   | 12420   | 1.30   | cps   |
| Silver     | 107-1 | 13257   | 13624   | 13165   | 13349   | 1.82   | cps   |
| Sodium     | 23-2  | 45616   | 47572   | 46318   | 46502   | 2.13   | cps   |
| Strontium  | 86-1  | 3542    | 3342    | 3659    | 3515    | 4.56   | cps   |
| Strontium  | 88-1  | 22060   | 21893   | 22444   | 22133   | 1.28   | cps   |
| Sulfur     | 34-1  | 348493  | 348581  | 346276  | 347783  | 0.38   | cps   |
| Terbium    | 159-1 | 8956605 | 8926749 | 8755931 | 8879762 | 1.22   | cps   |
| Terbium    | 159-2 | 1897661 | 1881130 | 1922266 | 1900353 | 1.09   | cps   |
| Thallium   | 203-1 | 7119    | 6810    | 6944    | 6958    | 2.22   | cps   |
| Thallium   | 205-1 | 17037   | 16587   | 16678   | 16767   | 1.42   | cps   |
| Tin        | 118-1 | 32449   | 32290   | 32632   | 32457   | 0.53   | cps   |
| Titanium   | 47-1  | 5135    | 4734    | 4884    | 4918    | 4.11   | cps   |
| Uranium    | 238-1 | 20409   | 20101   | 19583   | 20031   | 2.08   | cps   |
| Vanadium   | 51-2  | 3247    | 3047    | 3270    | 3188    | 3.85   | cps   |
| Yttrium    | 89-1  | 7399943 | 7438914 | 7353089 | 7397315 | 0.58   | cps   |
| Yttrium    | 89-2  | 247672  | 245695  | 246182  | 246516  | 0.42   | cps   |
| Zinc       | 66-2  | 370     | 297     | 313     | 327     | 11.77  | cps   |
| Zirconium  | 90-1  | 13908   | 14242   | 14350   | 14166   | 1.63   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:25:26 | DataFile Name :   | 018SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 3217 | 2959 | 3101 | 3092    | 4.18   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-1               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-1               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:28:35 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 42      | 25      | 25      | 31      | 31.50  | cps   |
| Antimony   | 121-1 | 3409    | 3292    | 2959    | 3220    | 7.25   | cps   |
| Arsenic    | 75-2  | 33      | 39      | 41      | 38      | 10.24  | cps   |
| Barium     | 135-1 | 2934    | 2634    | 2775    | 2781    | 5.40   | cps   |
| Barium     | 137-1 | 4351    | 4759    | 4759    | 4623    | 5.10   | cps   |
| Beryllium  | 9-1   | 467     | 478     | 472     | 472     | 1.18   | cps   |
| Bismuth    | 209-1 | 5553078 | 5622106 | 5526511 | 5567232 | 0.89   | cps   |
| Bismuth    | 209-2 | 1563609 | 1565224 | 1545497 | 1558110 | 0.70   | cps   |
| Boron      | 11-1  | 4943    | 5476    | 5343    | 5254    | 5.28   | cps   |
| Boron      | 10-1  | 1242    | 1242    | 1242    | 1242    | 0.00   | cps   |
| Cadmium    | 106-1 | 1242    | 1667    | 1517    | 1475    | 14.61  | cps   |
| Cadmium    | 108-1 | 29      | 29      | 33      | 31      | 7.86   | cps   |
| Cadmium    | 111-1 | 1478    | 1763    | 1622    | 1621    | 8.79   | cps   |
| Calcium    | 43-1  | 2275    | 2259    | 2242    | 2259    | 0.74   | cps   |
| Calcium    | 44-1  | 44923   | 44931   | 44748   | 44867   | 0.23   | cps   |
| Chromium   | 52-2  | 930     | 860     | 853     | 881     | 4.82   | cps   |
| Cobalt     | 59-2  | 653     | 657     | 747     | 686     | 7.72   | cps   |
| Copper     | 63-2  | 1333    | 1203    | 1233    | 1257    | 5.42   | cps   |
| Dysprosium | 156-1 | 8       | 33      | 17      | 19      | 65.47  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 42      | 33      | 50      | 42      | 20.00  | cps   |
| Erbium     | 164-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 67      | 108     | 50      | 75      | 40.06  | cps   |
| Gadolinium | 160-2 | 27      | 0       | 3       | 10      | 145.32 | cps   |
| Holmium    | 165-1 | 8842272 | 8902321 | 8844354 | 8862982 | 0.38   | cps   |
| Holmium    | 165-2 | 2043136 | 2070335 | 2019037 | 2044169 | 1.26   | cps   |
| Indium     | 115-1 | 7398775 | 7547390 | 7452231 | 7466132 | 1.01   | cps   |
| Indium     | 115-2 | 359430  | 355889  | 351019  | 355446  | 1.19   | cps   |
| Iron       | 56-2  | 11216   | 11233   | 10754   | 11068   | 2.45   | cps   |
| Iron       | 57-2  | 289     | 283     | 222     | 265     | 13.97  | cps   |
| Lead       | 206-1 | 2395    | 2234    | 2334    | 2321    | 3.51   | cps   |
| Lead       | 207-1 | 2128    | 2184    | 2072    | 2128    | 2.61   | cps   |
| Lead       | 208-1 | 9730    | 9563    | 9379    | 9557    | 1.83   | cps   |
| Lithium    | 6-1   | 1017403 | 1039833 | 1039233 | 1032156 | 1.24   | cps   |
| Magnesium  | 24-2  | 1175    | 1025    | 1000    | 1067    | 8.87   | cps   |
| Manganese  | 55-2  | 250     | 213     | 230     | 231     | 7.94   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-1               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-1               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:28:35 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 2017    | 2109    | 1859    | 1995    | 6.34   | cps   |
| Molybdenum | 94-1  | 2300    | 2259    | 2025    | 2195    | 6.75   | cps   |
| Molybdenum | 95-1  | 1208    | 1383    | 1175    | 1256    | 8.91   | cps   |
| Molybdenum | 96-1  | 1575    | 1542    | 1759    | 1625    | 7.18   | cps   |
| Molybdenum | 97-1  | 867     | 817     | 817     | 833     | 3.46   | cps   |
| Neodymium  | 150-1 | 7       | 7       | 13      | 9       | 43.25  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 333     | 370     | 320     | 341     | 7.59   | cps   |
| Phosphorus | 31-2  | 17      | 8       | 25      | 17      | 50.01  | cps   |
| Potassium  | 39-2  | 3392    | 3342    | 3576    | 3437    | 3.58   | cps   |
| Rhodium    | 103-1 | 6828314 | 6923361 | 6831978 | 6861218 | 0.78   | cps   |
| Rhodium    | 103-2 | 1899983 | 1925454 | 1870602 | 1898680 | 1.45   | cps   |
| Scandium   | 45-1  | 4020593 | 4117878 | 4083315 | 4073929 | 1.21   | cps   |
| Scandium   | 45-2  | 36170   | 36514   | 35943   | 36209   | 0.79   | cps   |
| Selenium   | 77-2  | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Selenium   | 78-2  | 4       | 4       | 9       | 6       | 57.80  | cps   |
| Selenium   | 82-1  | 152     | 208     | 251     | 204     | 24.34  | cps   |
| Silicon    | 28-1  | 378072  | 379407  | 392002  | 383160  | 2.01   | cps   |
| Silver     | 109-1 | 3084    | 2850    | 2975    | 2970    | 3.93   | cps   |
| Silver     | 107-1 | 3009    | 2959    | 3084    | 3017    | 2.09   | cps   |
| Sodium     | 23-2  | 10154   | 10137   | 10171   | 10154   | 0.16   | cps   |
| Strontium  | 86-1  | 1550    | 1508    | 1617    | 1558    | 3.51   | cps   |
| Strontium  | 88-1  | 6285    | 6560    | 6602    | 6482    | 2.66   | cps   |
| Sulfur     | 34-1  | 343890  | 348684  | 347862  | 346812  | 0.74   | cps   |
| Terbium    | 159-1 | 9233073 | 9145607 | 9312049 | 9230243 | 0.90   | cps   |
| Terbium    | 159-2 | 2006628 | 1966511 | 1946668 | 1973269 | 1.55   | cps   |
| Thallium   | 203-1 | 2109    | 2125    | 2117    | 2117    | 0.39   | cps   |
| Thallium   | 205-1 | 5043    | 4976    | 4684    | 4901    | 3.89   | cps   |
| Tin        | 118-1 | 3034    | 3050    | 2684    | 2923    | 7.09   | cps   |
| Titanium   | 47-1  | 608     | 475     | 392     | 492     | 22.23  | cps   |
| Uranium    | 238-1 | 5935    | 6118    | 5918    | 5991    | 1.85   | cps   |
| Vanadium   | 51-2  | 223     | 200     | 180     | 201     | 10.79  | cps   |
| Yttrium    | 89-1  | 7650614 | 7686413 | 7635153 | 7657393 | 0.34   | cps   |
| Yttrium    | 89-2  | 256571  | 256304  | 253322  | 255399  | 0.71   | cps   |
| Zinc       | 66-2  | 170     | 127     | 130     | 142     | 16.95  | cps   |
| Zirconium  | 90-1  | 4409    | 4518    | 4543    | 4490    | 1.58   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-1               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-1               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:28:35 | DataFile Name :   | 019SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 1008 | 1083 | 1150 | 1081    | 6.56   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-2               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-2               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:31:44 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 83      | 67      | 67      | 72      | 13.33  | cps   |
| Antimony   | 121-1 | 2967    | 3242    | 3059    | 3089    | 4.53   | cps   |
| Arsenic    | 75-2  | 37      | 31      | 39      | 36      | 10.77  | cps   |
| Barium     | 135-1 | 2750    | 2867    | 2650    | 2756    | 3.94   | cps   |
| Barium     | 137-1 | 4793    | 4734    | 4859    | 4796    | 1.30   | cps   |
| Beryllium  | 9-1   | 428     | 411     | 444     | 428     | 3.90   | cps   |
| Bismuth    | 209-1 | 5475794 | 5513120 | 5573064 | 5520659 | 0.89   | cps   |
| Bismuth    | 209-2 | 1557852 | 1559752 | 1541385 | 1552997 | 0.65   | cps   |
| Boron      | 11-1  | 4976    | 4951    | 5043    | 4990    | 0.95   | cps   |
| Boron      | 10-1  | 1125    | 1233    | 933     | 1097    | 13.85  | cps   |
| Cadmium    | 106-1 | 1525    | 1534    | 1800    | 1620    | 9.66   | cps   |
| Cadmium    | 108-1 | 33      | 71      | 79      | 61      | 39.96  | cps   |
| Cadmium    | 111-1 | 1594    | 1691    | 1846    | 1710    | 7.44   | cps   |
| Calcium    | 43-1  | 2250    | 2300    | 2109    | 2220    | 4.48   | cps   |
| Calcium    | 44-1  | 43803   | 43343   | 43151   | 43432   | 0.77   | cps   |
| Chromium   | 52-2  | 840     | 977     | 893     | 903     | 7.63   | cps   |
| Cobalt     | 59-2  | 613     | 540     | 577     | 577     | 6.36   | cps   |
| Copper     | 63-2  | 1283    | 1333    | 1303    | 1307    | 1.93   | cps   |
| Dysprosium | 156-1 | 0       | 17      | 33      | 17      | 99.99  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 25      | 42      | 17      | 28      | 45.82  | cps   |
| Erbium     | 164-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Gadolinium | 160-1 | 67      | 83      | 58      | 69      | 18.33  | cps   |
| Gadolinium | 160-2 | 3       | 13      | 7       | 8       | 65.47  | cps   |
| Holmium    | 165-1 | 8659877 | 8865713 | 8808100 | 8777897 | 1.21   | cps   |
| Holmium    | 165-2 | 2046179 | 2030372 | 2019268 | 2031940 | 0.67   | cps   |
| Indium     | 115-1 | 7215657 | 7355097 | 7480977 | 7350577 | 1.81   | cps   |
| Indium     | 115-2 | 357247  | 353727  | 352787  | 354587  | 0.66   | cps   |
| Iron       | 56-2  | 10766   | 10988   | 10754   | 10836   | 1.22   | cps   |
| Iron       | 57-2  | 222     | 294     | 261     | 259     | 13.94  | cps   |
| Lead       | 206-1 | 2273    | 2361    | 2256    | 2297    | 2.47   | cps   |
| Lead       | 207-1 | 1911    | 2089    | 1917    | 1972    | 5.13   | cps   |
| Lead       | 208-1 | 8940    | 9268    | 8990    | 9066    | 1.95   | cps   |
| Lithium    | 6-1   | 1022614 | 1018987 | 1050917 | 1030840 | 1.70   | cps   |
| Magnesium  | 24-2  | 1233    | 1125    | 1258    | 1206    | 5.88   | cps   |
| Manganese  | 55-2  | 200     | 170     | 187     | 186     | 8.10   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-2               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-2               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:31:44 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1925    | 2109    | 1800    | 1945    | 7.98   | cps   |
| Molybdenum | 94-1  | 2267    | 2334    | 2175    | 2259    | 3.52   | cps   |
| Molybdenum | 95-1  | 1258    | 1192    | 1158    | 1203    | 4.23   | cps   |
| Molybdenum | 96-1  | 1600    | 1442    | 1792    | 1611    | 10.88  | cps   |
| Molybdenum | 97-1  | 792     | 942     | 867     | 867     | 8.65   | cps   |
| Neodymium  | 150-1 | 13      | 7       | 7       | 9       | 43.25  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 353     | 313     | 360     | 342     | 7.38   | cps   |
| Phosphorus | 31-2  | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Potassium  | 39-2  | 3642    | 3584    | 3701    | 3642    | 1.60   | cps   |
| Rhodium    | 103-1 | 6705674 | 6753442 | 6752342 | 6737152 | 0.40   | cps   |
| Rhodium    | 103-2 | 1885060 | 1900448 | 1870558 | 1885356 | 0.79   | cps   |
| Scandium   | 45-1  | 3989763 | 4028378 | 4081919 | 4033353 | 1.15   | cps   |
| Scandium   | 45-2  | 36975   | 35929   | 34924   | 35943   | 2.85   | cps   |
| Selenium   | 77-2  | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Selenium   | 78-2  | 4       | 4       | 4       | 4       | 0.00   | cps   |
| Selenium   | 82-1  | 69      | 246     | 305     | 207     | 59.27  | cps   |
| Silicon    | 28-1  | 391285  | 383328  | 388804  | 387806  | 1.05   | cps   |
| Silver     | 109-1 | 2884    | 3034    | 2842    | 2920    | 3.45   | cps   |
| Silver     | 107-1 | 3059    | 2809    | 2684    | 2850    | 6.70   | cps   |
| Sodium     | 23-2  | 9637    | 9537    | 9379    | 9518    | 1.37   | cps   |
| Strontium  | 86-1  | 1550    | 1634    | 1709    | 1631    | 4.86   | cps   |
| Strontium  | 88-1  | 6619    | 6277    | 6485    | 6460    | 2.67   | cps   |
| Sulfur     | 34-1  | 353438  | 354999  | 354642  | 354360  | 0.23   | cps   |
| Terbium    | 159-1 | 8969515 | 9179247 | 9196784 | 9115182 | 1.39   | cps   |
| Terbium    | 159-2 | 1993253 | 1983675 | 1965597 | 1980842 | 0.71   | cps   |
| Thallium   | 203-1 | 2025    | 2142    | 1825    | 1997    | 8.02   | cps   |
| Thallium   | 205-1 | 4693    | 5276    | 4384    | 4784    | 9.47   | cps   |
| Tin        | 118-1 | 2767    | 2817    | 2659    | 2748    | 2.95   | cps   |
| Titanium   | 47-1  | 583     | 450     | 450     | 494     | 15.57  | cps   |
| Uranium    | 238-1 | 5818    | 5785    | 6043    | 5882    | 2.39   | cps   |
| Vanadium   | 51-2  | 217     | 230     | 220     | 222     | 3.12   | cps   |
| Yttrium    | 89-1  | 7532035 | 7582581 | 7648294 | 7587636 | 0.77   | cps   |
| Yttrium    | 89-2  | 257718  | 253720  | 253894  | 255111  | 0.89   | cps   |
| Zinc       | 66-2  | 137     | 93      | 130     | 120     | 19.44  | cps   |
| Zirconium  | 90-1  | 4368    | 4168    | 4234    | 4256    | 2.39   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-2               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-2               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:31:44 | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 992  | 1183 | 925  | 1033    | 12.98  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-3               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-3               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:34:53 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 8       | 33      | 25      | 22      | 57.30  | cps   |
| Antimony   | 121-1 | 2634    | 2692    | 2734    | 2686    | 1.87   | cps   |
| Arsenic    | 75-2  | 19      | 43      | 31      | 31      | 39.03  | cps   |
| Barium     | 135-1 | 2475    | 2700    | 2850    | 2675    | 7.06   | cps   |
| Barium     | 137-1 | 4693    | 4384    | 4809    | 4629    | 4.75   | cps   |
| Beryllium  | 9-1   | 467     | 350     | 489     | 435     | 17.14  | cps   |
| Bismuth    | 209-1 | 5473544 | 5494702 | 5509446 | 5492564 | 0.33   | cps   |
| Bismuth    | 209-2 | 1551580 | 1542231 | 1543917 | 1545909 | 0.32   | cps   |
| Boron      | 11-1  | 4259    | 4643    | 4743    | 4548    | 5.61   | cps   |
| Boron      | 10-1  | 1117    | 908     | 1008    | 1011    | 10.31  | cps   |
| Cadmium    | 106-1 | 1634    | 1492    | 1333    | 1486    | 10.10  | cps   |
| Cadmium    | 108-1 | 33      | 33      | 54      | 40      | 29.87  | cps   |
| Cadmium    | 111-1 | 1653    | 1633    | 1421    | 1569    | 8.23   | cps   |
| Calcium    | 43-1  | 2259    | 2192    | 1850    | 2100    | 10.43  | cps   |
| Calcium    | 44-1  | 43895   | 43009   | 43218   | 43374   | 1.07   | cps   |
| Chromium   | 52-2  | 933     | 827     | 950     | 903     | 7.41   | cps   |
| Cobalt     | 59-2  | 553     | 667     | 603     | 608     | 9.35   | cps   |
| Copper     | 63-2  | 1203    | 1253    | 1230    | 1229    | 2.04   | cps   |
| Dysprosium | 156-1 | 33      | 25      | 25      | 28      | 17.31  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 25      | 42      | 25      | 31      | 31.50  | cps   |
| Erbium     | 164-2 | 7       | 3       | 3       | 4       | 43.40  | cps   |
| Gadolinium | 160-1 | 58      | 33      | 125     | 72      | 65.61  | cps   |
| Gadolinium | 160-2 | 0       | 3       | 7       | 3       | 100.05 | cps   |
| Holmium    | 165-1 | 8678679 | 8768249 | 8782832 | 8743253 | 0.65   | cps   |
| Holmium    | 165-2 | 2040577 | 2015060 | 1985546 | 2013727 | 1.37   | cps   |
| Indium     | 115-1 | 7381004 | 7340611 | 7306732 | 7342782 | 0.51   | cps   |
| Indium     | 115-2 | 351533  | 346074  | 347659  | 348422  | 0.81   | cps   |
| Iron       | 56-2  | 10176   | 10549   | 10204   | 10310   | 2.01   | cps   |
| Iron       | 57-2  | 294     | 311     | 233     | 280     | 14.64  | cps   |
| Lead       | 206-1 | 1811    | 2128    | 2178    | 2039    | 9.75   | cps   |
| Lead       | 207-1 | 2172    | 1884    | 1939    | 1998    | 7.67   | cps   |
| Lead       | 208-1 | 8274    | 8218    | 8751    | 8414    | 3.49   | cps   |
| Lithium    | 6-1   | 1022916 | 1051616 | 1039575 | 1038036 | 1.39   | cps   |
| Magnesium  | 24-2  | 1183    | 1033    | 1058    | 1092    | 7.36   | cps   |
| Manganese  | 55-2  | 243     | 177     | 210     | 210     | 15.87  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-3               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-3               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:34:53 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1925    | 1950    | 2067    | 1981    | 3.82   | cps   |
| Molybdenum | 94-1  | 2234    | 2225    | 2109    | 2189    | 3.19   | cps   |
| Molybdenum | 95-1  | 1067    | 1258    | 1142    | 1156    | 8.36   | cps   |
| Molybdenum | 96-1  | 1542    | 1433    | 1559    | 1511    | 4.49   | cps   |
| Molybdenum | 97-1  | 933     | 575     | 950     | 820     | 25.85  | cps   |
| Neodymium  | 150-1 | 0       | 33      | 7       | 13      | 132.28 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 363     | 403     | 313     | 360     | 12.53  | cps   |
| Phosphorus | 31-2  | 25      | 25      | 25      | 25      | 0.00   | cps   |
| Potassium  | 39-2  | 3659    | 3451    | 3242    | 3451    | 6.04   | cps   |
| Rhodium    | 103-1 | 6796964 | 6767503 | 6774954 | 6779807 | 0.23   | cps   |
| Rhodium    | 103-2 | 1881669 | 1879802 | 1860145 | 1873872 | 0.64   | cps   |
| Scandium   | 45-1  | 4063438 | 4035194 | 4030793 | 4043142 | 0.44   | cps   |
| Scandium   | 45-2  | 36628   | 35799   | 35923   | 36116   | 1.24   | cps   |
| Selenium   | 77-2  | 0       | 7       | 3       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 11      | 13      | 11      | 12      | 9.11   | cps   |
| Selenium   | 82-1  | 208     | 227     | 165     | 200     | 15.97  | cps   |
| Silicon    | 28-1  | 397207  | 389169  | 395154  | 393843  | 1.06   | cps   |
| Silver     | 109-1 | 2609    | 2909    | 2717    | 2745    | 5.54   | cps   |
| Silver     | 107-1 | 2800    | 2975    | 2675    | 2817    | 5.35   | cps   |
| Sodium     | 23-2  | 9287    | 9062    | 9362    | 9237    | 1.69   | cps   |
| Strontium  | 86-1  | 1442    | 1700    | 1625    | 1589    | 8.36   | cps   |
| Strontium  | 88-1  | 6235    | 6085    | 6285    | 6202    | 1.68   | cps   |
| Sulfur     | 34-1  | 355746  | 358258  | 353301  | 355768  | 0.70   | cps   |
| Terbium    | 159-1 | 9168482 | 9156952 | 9132664 | 9152699 | 0.20   | cps   |
| Terbium    | 159-2 | 1984443 | 1937269 | 1949092 | 1956935 | 1.25   | cps   |
| Thallium   | 203-1 | 1959    | 1884    | 2209    | 2017    | 8.44   | cps   |
| Thallium   | 205-1 | 4409    | 4534    | 4651    | 4532    | 2.67   | cps   |
| Tin        | 118-1 | 2600    | 2800    | 2659    | 2686    | 3.83   | cps   |
| Titanium   | 47-1  | 417     | 442     | 492     | 450     | 8.49   | cps   |
| Uranium    | 238-1 | 5610    | 5810    | 6043    | 5821    | 3.73   | cps   |
| Vanadium   | 51-2  | 180     | 193     | 203     | 192     | 6.09   | cps   |
| Yttrium    | 89-1  | 7567325 | 7505235 | 7579603 | 7550721 | 0.53   | cps   |
| Yttrium    | 89-2  | 254677  | 252352  | 252200  | 253076  | 0.55   | cps   |
| Zinc       | 66-2  | 143     | 107     | 107     | 119     | 17.81  | cps   |
| Zirconium  | 90-1  | 4101    | 3926    | 4084    | 4037    | 2.39   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-3               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-3               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:34:53 | DataFile Name :   | 021SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 750  | 850  | 883  | 828     | 8.38   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-4               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-4               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:38:01 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 75      | 8       | 50      | 44      | 75.78  | cps   |
| Antimony   | 121-1 | 2784    | 2784    | 3051    | 2873    | 5.36   | cps   |
| Arsenic    | 75-2  | 33      | 30      | 22      | 28      | 19.92  | cps   |
| Barium     | 135-1 | 2617    | 2750    | 2659    | 2675    | 2.55   | cps   |
| Barium     | 137-1 | 4534    | 4634    | 5026    | 4732    | 5.49   | cps   |
| Beryllium  | 9-1   | 411     | 450     | 450     | 437     | 5.14   | cps   |
| Bismuth    | 209-1 | 5082740 | 5446438 | 5426608 | 5318595 | 3.84   | cps   |
| Bismuth    | 209-2 | 1539236 | 1519954 | 1525460 | 1528217 | 0.65   | cps   |
| Boron      | 11-1  | 3626    | 3642    | 3534    | 3601    | 1.62   | cps   |
| Boron      | 10-1  | 958     | 833     | 733     | 842     | 13.39  | cps   |
| Cadmium    | 106-1 | 1500    | 1567    | 1867    | 1645    | 11.88  | cps   |
| Cadmium    | 108-1 | 25      | 63      | 42      | 43      | 43.64  | cps   |
| Cadmium    | 111-1 | 1699    | 1586    | 1928    | 1738    | 10.01  | cps   |
| Calcium    | 43-1  | 2484    | 2659    | 2409    | 2517    | 5.10   | cps   |
| Calcium    | 44-1  | 43518   | 43351   | 42900   | 43256   | 0.74   | cps   |
| Chromium   | 52-2  | 870     | 860     | 773     | 834     | 6.37   | cps   |
| Cobalt     | 59-2  | 637     | 580     | 560     | 592     | 6.72   | cps   |
| Copper     | 63-2  | 1317    | 1297    | 1200    | 1271    | 4.91   | cps   |
| Dysprosium | 156-1 | 17      | 8       | 8       | 11      | 43.34  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 50      | 33      | 17      | 33      | 50.00  | cps   |
| Erbium     | 164-2 | 13      | 3       | 7       | 8       | 65.47  | cps   |
| Gadolinium | 160-1 | 33      | 83      | 67      | 61      | 41.67  | cps   |
| Gadolinium | 160-2 | 13      | 3       | 10      | 9       | 57.30  | cps   |
| Holmium    | 165-1 | 8099504 | 8616980 | 8709406 | 8475297 | 3.88   | cps   |
| Holmium    | 165-2 | 2005220 | 1995856 | 1998085 | 1999720 | 0.24   | cps   |
| Indium     | 115-1 | 6790930 | 7218795 | 7241505 | 7083743 | 3.58   | cps   |
| Indium     | 115-2 | 348823  | 348021  | 346584  | 347810  | 0.33   | cps   |
| Iron       | 56-2  | 11094   | 10821   | 11149   | 11021   | 1.59   | cps   |
| Iron       | 57-2  | 339     | 356     | 239     | 311     | 20.28  | cps   |
| Lead       | 206-1 | 2061    | 2311    | 2184    | 2185    | 5.72   | cps   |
| Lead       | 207-1 | 1839    | 1834    | 2061    | 1911    | 6.80   | cps   |
| Lead       | 208-1 | 8496    | 8735    | 8646    | 8625    | 1.40   | cps   |
| Lithium    | 6-1   | 924500  | 1009610 | 1033132 | 989081  | 5.78   | cps   |
| Magnesium  | 24-2  | 1233    | 1025    | 1100    | 1120    | 9.43   | cps   |
| Manganese  | 55-2  | 197     | 183     | 227     | 202     | 10.97  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-4               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-4               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:38:01 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1834    | 1900    | 1717    | 1817    | 5.11   | cps   |
| Molybdenum | 94-1  | 2042    | 1967    | 2250    | 2086    | 7.04   | cps   |
| Molybdenum | 95-1  | 1067    | 1125    | 1042    | 1078    | 3.97   | cps   |
| Molybdenum | 96-1  | 1375    | 1442    | 1483    | 1433    | 3.81   | cps   |
| Molybdenum | 97-1  | 883     | 642     | 992     | 839     | 21.36  | cps   |
| Neodymium  | 150-1 | 20      | 27      | 7       | 18      | 57.27  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 433     | 353     | 343     | 377     | 13.10  | cps   |
| Phosphorus | 31-2  | 0       | 17      | 25      | 14      | 91.65  | cps   |
| Potassium  | 39-2  | 3301    | 3317    | 3542    | 3387    | 3.99   | cps   |
| Rhodium    | 103-1 | 6322499 | 6659526 | 6778908 | 6586978 | 3.59   | cps   |
| Rhodium    | 103-2 | 1873990 | 1839480 | 1851011 | 1854827 | 0.95   | cps   |
| Scandium   | 45-1  | 3784318 | 4018418 | 4025937 | 3942891 | 3.48   | cps   |
| Scandium   | 45-2  | 35746   | 34880   | 35963   | 35529   | 1.61   | cps   |
| Selenium   | 77-2  | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 6       | 4       | 15      | 8       | 74.17  | cps   |
| Selenium   | 82-1  | 257     | 225     | 269     | 250     | 9.09   | cps   |
| Silicon    | 28-1  | 387674  | 385483  | 384096  | 385751  | 0.47   | cps   |
| Silver     | 109-1 | 2992    | 2992    | 2609    | 2864    | 7.73   | cps   |
| Silver     | 107-1 | 2817    | 2734    | 2742    | 2764    | 1.66   | cps   |
| Sodium     | 23-2  | 9012    | 8545    | 9170    | 8909    | 3.65   | cps   |
| Strontium  | 86-1  | 1892    | 1675    | 1717    | 1761    | 6.53   | cps   |
| Strontium  | 88-1  | 6160    | 6910    | 6485    | 6519    | 5.77   | cps   |
| Sulfur     | 34-1  | 354642  | 357136  | 352857  | 354879  | 0.61   | cps   |
| Terbium    | 159-1 | 8350993 | 9025331 | 9034499 | 8803608 | 4.45   | cps   |
| Terbium    | 159-2 | 1950820 | 1974220 | 1940414 | 1955151 | 0.89   | cps   |
| Thallium   | 203-1 | 2042    | 2050    | 1975    | 2022    | 2.03   | cps   |
| Thallium   | 205-1 | 4951    | 4651    | 4901    | 4834    | 3.33   | cps   |
| Tin        | 118-1 | 2675    | 2750    | 3017    | 2814    | 6.38   | cps   |
| Titanium   | 47-1  | 483     | 525     | 425     | 478     | 10.51  | cps   |
| Uranium    | 238-1 | 6052    | 5910    | 5852    | 5938    | 1.73   | cps   |
| Vanadium   | 51-2  | 180     | 223     | 217     | 207     | 11.29  | cps   |
| Yttrium    | 89-1  | 6983212 | 7472089 | 7515271 | 7323524 | 4.04   | cps   |
| Yttrium    | 89-2  | 252477  | 252974  | 250530  | 251994  | 0.51   | cps   |
| Zinc       | 66-2  | 153     | 100     | 130     | 128     | 20.93  | cps   |
| Zirconium  | 90-1  | 4359    | 4134    | 3967    | 4154    | 4.73   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-4               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-4               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:38:01 | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 1025 | 775  | 892  | 897     | 13.94  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-5               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-5               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:41:10 | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 150     | 142     | 258     | 183     | 35.50  | cps   |
| Antimony   | 121-1 | 2725    | 2659    | 2425    | 2603    | 6.05   | cps   |
| Arsenic    | 75-2  | 39      | 31      | 31      | 34      | 12.60  | cps   |
| Barium     | 135-1 | 2584    | 2309    | 2484    | 2459    | 5.66   | cps   |
| Barium     | 137-1 | 4151    | 4176    | 4601    | 4309    | 5.87   | cps   |
| Beryllium  | 9-1   | 439     | 317     | 356     | 370     | 16.86  | cps   |
| Bismuth    | 209-1 | 5240756 | 5258168 | 5174996 | 5224640 | 0.84   | cps   |
| Bismuth    | 209-2 | 1504292 | 1502500 | 1490701 | 1499164 | 0.49   | cps   |
| Boron      | 11-1  | 3326    | 3050    | 3267    | 3214    | 4.51   | cps   |
| Boron      | 10-1  | 708     | 667     | 750     | 708     | 5.88   | cps   |
| Cadmium    | 106-1 | 1350    | 1567    | 1508    | 1475    | 7.60   | cps   |
| Cadmium    | 108-1 | 83      | 50      | 50      | 61      | 31.50  | cps   |
| Cadmium    | 111-1 | 1458    | 1633    | 1438    | 1509    | 7.11   | cps   |
| Calcium    | 43-1  | 1984    | 2009    | 1817    | 1936    | 5.38   | cps   |
| Calcium    | 44-1  | 42507   | 42708   | 42432   | 42549   | 0.33   | cps   |
| Chromium   | 52-2  | 917     | 953     | 1020    | 963     | 5.44   | cps   |
| Cobalt     | 59-2  | 493     | 553     | 520     | 522     | 5.76   | cps   |
| Copper     | 63-2  | 1117    | 1127    | 1123    | 1122    | 0.45   | cps   |
| Dysprosium | 156-1 | 17      | 33      | 17      | 22      | 43.28  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 17      | 67      | 33      | 39      | 65.47  | cps   |
| Erbium     | 164-2 | 7       | 13      | 10      | 10      | 33.30  | cps   |
| Gadolinium | 160-1 | 117     | 50      | 67      | 78      | 44.61  | cps   |
| Gadolinium | 160-2 | 3       | 10      | 7       | 7       | 50.03  | cps   |
| Holmium    | 165-1 | 8304975 | 8198354 | 8343964 | 8282431 | 0.91   | cps   |
| Holmium    | 165-2 | 1970508 | 1953511 | 1958427 | 1960816 | 0.45   | cps   |
| Indium     | 115-1 | 7074024 | 6971471 | 6975886 | 7007127 | 0.83   | cps   |
| Indium     | 115-2 | 344479  | 341567  | 339222  | 341756  | 0.77   | cps   |
| Iron       | 56-2  | 9787    | 10093   | 10360   | 10080   | 2.84   | cps   |
| Iron       | 57-2  | 272     | 283     | 267     | 274     | 3.10   | cps   |
| Lead       | 206-1 | 2172    | 2100    | 1950    | 2074    | 5.47   | cps   |
| Lead       | 207-1 | 1684    | 1772    | 1650    | 1702    | 3.71   | cps   |
| Lead       | 208-1 | 8035    | 8168    | 7712    | 7972    | 2.94   | cps   |
| Lithium    | 6-1   | 1002147 | 981444  | 989477  | 991022  | 1.05   | cps   |
| Magnesium  | 24-2  | 1083    | 958     | 1067    | 1036    | 6.55   | cps   |
| Manganese  | 55-2  | 177     | 227     | 203     | 202     | 12.37  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-5               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-5               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:41:10 | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1925    | 2000    | 1542    | 1822    | 13.49  | cps   |
| Molybdenum | 94-1  | 2192    | 1800    | 2067    | 2020    | 9.91   | cps   |
| Molybdenum | 95-1  | 1100    | 925     | 933     | 986     | 10.01  | cps   |
| Molybdenum | 96-1  | 1433    | 1467    | 1375    | 1425    | 3.26   | cps   |
| Molybdenum | 97-1  | 667     | 683     | 717     | 689     | 3.70   | cps   |
| Neodymium  | 150-1 | 20      | 27      | 13      | 20      | 33.35  | cps   |
| Neodymium  | 150-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 387     | 393     | 350     | 377     | 6.20   | cps   |
| Phosphorus | 31-2  | 25      | 8       | 17      | 17      | 50.01  | cps   |
| Potassium  | 39-2  | 3534    | 3301    | 3426    | 3420    | 3.42   | cps   |
| Rhodium    | 103-1 | 6518985 | 6381972 | 6397548 | 6432835 | 1.17   | cps   |
| Rhodium    | 103-2 | 1824137 | 1811873 | 1802215 | 1812742 | 0.61   | cps   |
| Scandium   | 45-1  | 3908810 | 3870418 | 3880429 | 3886552 | 0.51   | cps   |
| Scandium   | 45-2  | 35495   | 34780   | 34392   | 34889   | 1.60   | cps   |
| Selenium   | 77-2  | 3       | 7       | 0       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 11      | 7       | 11      | 10      | 21.63  | cps   |
| Selenium   | 82-1  | 290     | 262     | 207     | 253     | 16.63  | cps   |
| Silicon    | 28-1  | 408877  | 403489  | 401886  | 404750  | 0.90   | cps   |
| Silver     | 109-1 | 2509    | 2625    | 2634    | 2589    | 2.70   | cps   |
| Silver     | 107-1 | 2500    | 2525    | 2700    | 2575    | 4.23   | cps   |
| Sodium     | 23-2  | 8820    | 8303    | 8036    | 8386    | 4.75   | cps   |
| Strontium  | 86-1  | 1750    | 1392    | 1475    | 1539    | 12.19  | cps   |
| Strontium  | 88-1  | 6010    | 5935    | 6243    | 6063    | 2.65   | cps   |
| Sulfur     | 34-1  | 356994  | 362819  | 358554  | 359455  | 0.84   | cps   |
| Terbium    | 159-1 | 8733121 | 8639134 | 8617035 | 8663097 | 0.71   | cps   |
| Terbium    | 159-2 | 1937541 | 1917689 | 1910216 | 1921815 | 0.73   | cps   |
| Thallium   | 203-1 | 1934    | 2000    | 1909    | 1947    | 2.43   | cps   |
| Thallium   | 205-1 | 3984    | 4509    | 4226    | 4240    | 6.20   | cps   |
| Tin        | 118-1 | 2617    | 2709    | 2667    | 2664    | 1.72   | cps   |
| Titanium   | 47-1  | 408     | 308     | 533     | 417     | 27.06  | cps   |
| Uranium    | 238-1 | 5393    | 5143    | 5226    | 5254    | 2.42   | cps   |
| Vanadium   | 51-2  | 143     | 177     | 210     | 177     | 18.87  | cps   |
| Yttrium    | 89-1  | 7301975 | 7267831 | 7249501 | 7273103 | 0.37   | cps   |
| Yttrium    | 89-2  | 251160  | 246380  | 245141  | 247560  | 1.28   | cps   |
| Zinc       | 66-2  | 173     | 123     | 127     | 141     | 19.81  | cps   |
| Zirconium  | 90-1  | 3759    | 3992    | 3684    | 3812    | 4.22   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-5               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-5               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:41:10 | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 858  | 808  | 842  | 836     | 3.04   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-6               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-6               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:44:19 | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 33      | 42      | 33      | 36      | 13.32  | cps   |
| Antimony   | 121-1 | 2767    | 2475    | 2667    | 2637    | 5.62   | cps   |
| Arsenic    | 75-2  | 37      | 35      | 48      | 40      | 17.47  | cps   |
| Barium     | 135-1 | 2559    | 2359    | 2792    | 2570    | 8.44   | cps   |
| Barium     | 137-1 | 4984    | 4701    | 4693    | 4793    | 3.47   | cps   |
| Beryllium  | 9-1   | 339     | 378     | 400     | 372     | 8.31   | cps   |
| Bismuth    | 209-1 | 5194035 | 5172052 | 5136545 | 5167544 | 0.56   | cps   |
| Bismuth    | 209-2 | 1491930 | 1494643 | 1491571 | 1492714 | 0.11   | cps   |
| Boron      | 11-1  | 2917    | 3317    | 2734    | 2989    | 9.98   | cps   |
| Boron      | 10-1  | 758     | 525     | 542     | 608     | 21.40  | cps   |
| Cadmium    | 106-1 | 1375    | 1484    | 1492    | 1450    | 4.49   | cps   |
| Cadmium    | 108-1 | 67      | 42      | 50      | 53      | 24.12  | cps   |
| Cadmium    | 111-1 | 1449    | 1476    | 1551    | 1492    | 3.53   | cps   |
| Calcium    | 43-1  | 2392    | 2259    | 2275    | 2309    | 3.15   | cps   |
| Calcium    | 44-1  | 42290   | 42841   | 41855   | 42329   | 1.17   | cps   |
| Chromium   | 52-2  | 1017    | 943     | 983     | 981     | 3.74   | cps   |
| Cobalt     | 59-2  | 607     | 560     | 643     | 603     | 6.92   | cps   |
| Copper     | 63-2  | 1177    | 1230    | 1230    | 1212    | 2.54   | cps   |
| Dysprosium | 156-1 | 17      | 42      | 17      | 25      | 57.73  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 58      | 8       | 17      | 28      | 96.44  | cps   |
| Erbium     | 164-2 | 3       | 10      | 10      | 8       | 49.52  | cps   |
| Gadolinium | 160-1 | 50      | 75      | 50      | 58      | 24.74  | cps   |
| Gadolinium | 160-2 | 3       | 10      | 13      | 9       | 57.30  | cps   |
| Holmium    | 165-1 | 8269719 | 8275056 | 8253353 | 8266043 | 0.14   | cps   |
| Holmium    | 165-2 | 1956023 | 1968491 | 1954673 | 1959729 | 0.39   | cps   |
| Indium     | 115-1 | 7019665 | 6947619 | 6977763 | 6981682 | 0.52   | cps   |
| Indium     | 115-2 | 346032  | 341947  | 338721  | 342233  | 1.07   | cps   |
| Iron       | 56-2  | 10237   | 10226   | 10098   | 10187   | 0.76   | cps   |
| Iron       | 57-2  | 294     | 261     | 372     | 309     | 18.44  | cps   |
| Lead       | 206-1 | 1928    | 2156    | 2100    | 2061    | 5.76   | cps   |
| Lead       | 207-1 | 1661    | 1661    | 1889    | 1737    | 7.57   | cps   |
| Lead       | 208-1 | 7879    | 7979    | 8351    | 8070    | 3.08   | cps   |
| Lithium    | 6-1   | 982319  | 979343  | 967744  | 976469  | 0.79   | cps   |
| Magnesium  | 24-2  | 1125    | 1200    | 1208    | 1178    | 3.90   | cps   |
| Manganese  | 55-2  | 213     | 200     | 263     | 226     | 14.80  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-6               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-6               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:44:19 | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1692    | 1784    | 1917    | 1797    | 6.30   | cps   |
| Molybdenum | 94-1  | 2092    | 2009    | 2092    | 2064    | 2.33   | cps   |
| Molybdenum | 95-1  | 1058    | 1092    | 1250    | 1133    | 9.04   | cps   |
| Molybdenum | 96-1  | 1550    | 1508    | 1584    | 1547    | 2.43   | cps   |
| Molybdenum | 97-1  | 742     | 717     | 800     | 753     | 5.68   | cps   |
| Neodymium  | 150-1 | 13      | 13      | 7       | 11      | 34.61  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 367     | 340     | 397     | 368     | 7.71   | cps   |
| Phosphorus | 31-2  | 25      | 17      | 8       | 17      | 50.01  | cps   |
| Potassium  | 39-2  | 3367    | 3100    | 3392    | 3287    | 4.92   | cps   |
| Rhodium    | 103-1 | 6455921 | 6453576 | 6437304 | 6448934 | 0.16   | cps   |
| Rhodium    | 103-2 | 1819810 | 1820572 | 1776814 | 1805732 | 1.39   | cps   |
| Scandium   | 45-1  | 3865648 | 3865991 | 3844632 | 3858757 | 0.32   | cps   |
| Scandium   | 45-2  | 35000   | 34620   | 35051   | 34890   | 0.68   | cps   |
| Selenium   | 77-2  | 3       | 0       | 10      | 4       | 114.60 | cps   |
| Selenium   | 78-2  | 9       | 15      | 4       | 9       | 60.01  | cps   |
| Selenium   | 82-1  | 260     | 227     | 251     | 246     | 7.03   | cps   |
| Silicon    | 28-1  | 410206  | 401306  | 407317  | 406277  | 1.12   | cps   |
| Silver     | 109-1 | 2859    | 2600    | 2609    | 2689    | 5.46   | cps   |
| Silver     | 107-1 | 2825    | 2700    | 2950    | 2825    | 4.43   | cps   |
| Sodium     | 23-2  | 8670    | 8636    | 8536    | 8614    | 0.81   | cps   |
| Strontium  | 86-1  | 1734    | 1692    | 1759    | 1728    | 1.95   | cps   |
| Strontium  | 88-1  | 6035    | 6160    | 5776    | 5990    | 3.27   | cps   |
| Sulfur     | 34-1  | 363024  | 361049  | 357523  | 360532  | 0.77   | cps   |
| Terbium    | 159-1 | 8570124 | 8670182 | 8607528 | 8615945 | 0.59   | cps   |
| Terbium    | 159-2 | 1929992 | 1899492 | 1886208 | 1905230 | 1.18   | cps   |
| Thallium   | 203-1 | 1925    | 2142    | 2000    | 2022    | 5.44   | cps   |
| Thallium   | 205-1 | 4559    | 4451    | 4226    | 4412    | 3.86   | cps   |
| Tin        | 118-1 | 2784    | 2942    | 2525    | 2750    | 7.65   | cps   |
| Titanium   | 47-1  | 450     | 408     | 350     | 403     | 12.47  | cps   |
| Uranium    | 238-1 | 5268    | 5301    | 5860    | 5477    | 6.07   | cps   |
| Vanadium   | 51-2  | 147     | 157     | 220     | 174     | 22.80  | cps   |
| Yttrium    | 89-1  | 7163822 | 7192571 | 7216081 | 7190825 | 0.36   | cps   |
| Yttrium    | 89-2  | 248744  | 247615  | 246713  | 247691  | 0.41   | cps   |
| Zinc       | 66-2  | 147     | 140     | 113     | 133     | 13.23  | cps   |
| Zirconium  | 90-1  | 4193    | 4251    | 4059    | 4167    | 2.36   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-6               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-6               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:44:19 | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 1042 | 1142 | 783  | 989     | 18.70  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-7               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-7               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:47:28 | DataFile Name :   | 025SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 83      | 75      | 33      | 64      | 41.93  | cps   |
| Antimony   | 121-1 | 2634    | 2417    | 2600    | 2550    | 4.57   | cps   |
| Arsenic    | 75-2  | 50      | 33      | 37      | 40      | 21.81  | cps   |
| Barium     | 135-1 | 2592    | 2500    | 2750    | 2614    | 4.84   | cps   |
| Barium     | 137-1 | 4601    | 4159    | 4543    | 4434    | 5.41   | cps   |
| Beryllium  | 9-1   | 339     | 383     | 383     | 369     | 6.96   | cps   |
| Bismuth    | 209-1 | 5171585 | 5171992 | 4928302 | 5090626 | 2.76   | cps   |
| Bismuth    | 209-2 | 1500993 | 1508410 | 1506276 | 1505226 | 0.25   | cps   |
| Boron      | 11-1  | 2684    | 2975    | 2650    | 2770    | 6.46   | cps   |
| Boron      | 10-1  | 608     | 517     | 475     | 533     | 12.79  | cps   |
| Cadmium    | 106-1 | 1425    | 1375    | 1467    | 1422    | 3.23   | cps   |
| Cadmium    | 108-1 | 38      | 38      | 71      | 49      | 39.59  | cps   |
| Cadmium    | 111-1 | 1455    | 1478    | 1473    | 1469    | 0.84   | cps   |
| Calcium    | 43-1  | 2184    | 2209    | 2150    | 2181    | 1.34   | cps   |
| Calcium    | 44-1  | 42925   | 41178   | 41521   | 41875   | 2.21   | cps   |
| Chromium   | 52-2  | 920     | 917     | 937     | 924     | 1.16   | cps   |
| Cobalt     | 59-2  | 603     | 570     | 617     | 597     | 4.03   | cps   |
| Copper     | 63-2  | 1113    | 1210    | 1150    | 1158    | 4.22   | cps   |
| Dysprosium | 156-1 | 0       | 17      | 33      | 17      | 99.99  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 25      | 50      | 25      | 33      | 43.30  | cps   |
| Erbium     | 164-2 | 17      | 0       | 7       | 8       | 107.84 | cps   |
| Gadolinium | 160-1 | 42      | 33      | 83      | 53      | 50.76  | cps   |
| Gadolinium | 160-2 | 7       | 10      | 0       | 6       | 91.64  | cps   |
| Holmium    | 165-1 | 8339723 | 8287801 | 7907144 | 8178223 | 2.89   | cps   |
| Holmium    | 165-2 | 1964852 | 1985794 | 1952268 | 1967638 | 0.86   | cps   |
| Indium     | 115-1 | 7080167 | 6984785 | 6604465 | 6889805 | 3.65   | cps   |
| Indium     | 115-2 | 343107  | 345433  | 348821  | 345787  | 0.83   | cps   |
| Iron       | 56-2  | 10110   | 10454   | 10121   | 10228   | 1.92   | cps   |
| Iron       | 57-2  | 244     | 278     | 267     | 263     | 6.46   | cps   |
| Lead       | 206-1 | 2184    | 1978    | 2000    | 2054    | 5.49   | cps   |
| Lead       | 207-1 | 1728    | 1750    | 1689    | 1722    | 1.80   | cps   |
| Lead       | 208-1 | 8290    | 8079    | 7957    | 8109    | 2.08   | cps   |
| Lithium    | 6-1   | 989642  | 980884  | 921888  | 964138  | 3.82   | cps   |
| Magnesium  | 24-2  | 1042    | 933     | 1117    | 1031    | 8.94   | cps   |
| Manganese  | 55-2  | 153     | 193     | 207     | 184     | 15.05  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-7               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-7               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:47:28 | DataFile Name :   | 025SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1725    | 1950    | 1917    | 1864    | 6.52   | cps   |
| Molybdenum | 94-1  | 2167    | 2150    | 2092    | 2136    | 1.84   | cps   |
| Molybdenum | 95-1  | 1092    | 875     | 942     | 970     | 11.45  | cps   |
| Molybdenum | 96-1  | 1350    | 1592    | 1358    | 1433    | 9.57   | cps   |
| Molybdenum | 97-1  | 717     | 742     | 600     | 686     | 11.02  | cps   |
| Neodymium  | 150-1 | 13      | 20      | 13      | 16      | 24.76  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 317     | 303     | 343     | 321     | 6.34   | cps   |
| Phosphorus | 31-2  | 0       | 8       | 0       | 3       | 173.21 | cps   |
| Potassium  | 39-2  | 3209    | 3467    | 3401    | 3359    | 3.99   | cps   |
| Rhodium    | 103-1 | 6540321 | 6476655 | 6143623 | 6386867 | 3.34   | cps   |
| Rhodium    | 103-2 | 1821369 | 1826250 | 1804951 | 1817524 | 0.61   | cps   |
| Scandium   | 45-1  | 3934989 | 3873081 | 3707449 | 3838506 | 3.06   | cps   |
| Scandium   | 45-2  | 34405   | 35131   | 35528   | 35021   | 1.63   | cps   |
| Selenium   | 77-2  | 7       | 0       | 3       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 9       | 7       | 4       | 7       | 41.70  | cps   |
| Selenium   | 82-1  | 195     | 155     | 213     | 188     | 16.00  | cps   |
| Silicon    | 28-1  | 408291  | 398319  | 402744  | 403118  | 1.24   | cps   |
| Silver     | 109-1 | 2567    | 2534    | 2434    | 2511    | 2.76   | cps   |
| Silver     | 107-1 | 2950    | 2609    | 2517    | 2692    | 8.49   | cps   |
| Sodium     | 23-2  | 7928    | 8078    | 8169    | 8058    | 1.52   | cps   |
| Strontium  | 86-1  | 1642    | 1684    | 1675    | 1667    | 1.32   | cps   |
| Strontium  | 88-1  | 6002    | 5935    | 6168    | 6035    | 1.99   | cps   |
| Sulfur     | 34-1  | 358230  | 360109  | 359783  | 359374  | 0.28   | cps   |
| Terbium    | 159-1 | 8703265 | 8584806 | 8083847 | 8457306 | 3.89   | cps   |
| Terbium    | 159-2 | 1910726 | 1904782 | 1941280 | 1918929 | 1.02   | cps   |
| Thallium   | 203-1 | 1750    | 2042    | 1875    | 1889    | 7.75   | cps   |
| Thallium   | 205-1 | 4393    | 4835    | 4676    | 4634    | 4.83   | cps   |
| Tin        | 118-1 | 2684    | 2817    | 2850    | 2784    | 3.17   | cps   |
| Titanium   | 47-1  | 383     | 442     | 375     | 400     | 9.08   | cps   |
| Uranium    | 238-1 | 5285    | 5435    | 5293    | 5337    | 1.58   | cps   |
| Vanadium   | 51-2  | 223     | 233     | 147     | 201     | 23.58  | cps   |
| Yttrium    | 89-1  | 7410175 | 7257883 | 6904603 | 7190887 | 3.61   | cps   |
| Yttrium    | 89-2  | 249342  | 251355  | 250533  | 250410  | 0.40   | cps   |
| Zinc       | 66-2  | 117     | 100     | 113     | 110     | 8.02   | cps   |
| Zirconium  | 90-1  | 3867    | 3976    | 3834    | 3892    | 1.90   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-7               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-7               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:47:28 | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 875  | 925  | 1042 | 947     | 9.03   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCV54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCV54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:50:38 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 357247   | 347674   | 349385   | 351435   | 1.45   | cps   |
| Antimony   | 121-1 | 5117302  | 5121398  | 5140861  | 5126520  | 0.25   | cps   |
| Arsenic    | 75-2  | 59191    | 58380    | 58637    | 58736    | 0.71   | cps   |
| Barium     | 135-1 | 5326718  | 5312448  | 5282772  | 5307313  | 0.42   | cps   |
| Barium     | 137-1 | 9050250  | 9105523  | 9205537  | 9120437  | 0.86   | cps   |
| Beryllium  | 9-1   | 602568   | 600060   | 602915   | 601848   | 0.26   | cps   |
| Bismuth    | 209-1 | 5154089  | 5214536  | 5228669  | 5199098  | 0.76   | cps   |
| Bismuth    | 209-2 | 1448455  | 1433579  | 1432095  | 1438043  | 0.63   | cps   |
| Boron      | 11-1  | 337707   | 343734   | 344107   | 341849   | 1.05   | cps   |
| Boron      | 10-1  | 72032    | 73003    | 72383    | 72473    | 0.68   | cps   |
| Cadmium    | 106-1 | 109626   | 111551   | 109677   | 110285   | 0.99   | cps   |
| Cadmium    | 108-1 | 74480    | 73457    | 73420    | 73786    | 0.82   | cps   |
| Cadmium    | 111-1 | 1063195  | 1066444  | 1056625  | 1062088  | 0.47   | cps   |
| Calcium    | 43-1  | 5161300  | 5116071  | 5121768  | 5133046  | 0.48   | cps   |
| Calcium    | 44-1  | 83370112 | 84076979 | 83418160 | 83621750 | 0.47   | cps   |
| Chromium   | 52-2  | 480237   | 478879   | 477380   | 478832   | 0.30   | cps   |
| Cobalt     | 59-2  | 1009791  | 1000028  | 996795   | 1002205  | 0.68   | cps   |
| Copper     | 63-2  | 1747676  | 1739526  | 1713922  | 1733708  | 1.02   | cps   |
| Dysprosium | 156-1 | 158      | 100      | 183      | 147      | 29.04  | cps   |
| Dysprosium | 156-2 | 27       | 20       | 13       | 20       | 33.35  | cps   |
| Erbium     | 164-1 | 67       | 67       | 50       | 61       | 15.75  | cps   |
| Erbium     | 164-2 | 7        | 10       | 0        | 6        | 91.64  | cps   |
| Gadolinium | 160-1 | 117      | 183      | 125      | 142      | 25.64  | cps   |
| Gadolinium | 160-2 | 23       | 23       | 43       | 30       | 38.49  | cps   |
| Holmium    | 165-1 | 8645969  | 8729272  | 8667849  | 8681030  | 0.50   | cps   |
| Holmium    | 165-2 | 1983268  | 1972991  | 1987678  | 1981312  | 0.38   | cps   |
| Indium     | 115-1 | 6887866  | 7000617  | 6969203  | 6952562  | 0.84   | cps   |
| Indium     | 115-2 | 329281   | 323489   | 322993   | 325254   | 1.07   | cps   |
| Iron       | 56-2  | 78979716 | 77637532 | 77521924 | 78046391 | 1.04   | cps   |
| Iron       | 57-2  | 2037846  | 1984116  | 1965027  | 1995663  | 1.89   | cps   |
| Lead       | 206-1 | 3042090  | 3016833  | 2974797  | 3011240  | 1.13   | cps   |
| Lead       | 207-1 | 2758497  | 2746121  | 2738221  | 2747613  | 0.37   | cps   |
| Lead       | 208-1 | 12287817 | 12255944 | 12216004 | 12253255 | 0.29   | cps   |
| Lithium    | 6-1   | 969013   | 978636   | 976788   | 974812   | 0.52   | cps   |
| Magnesium  | 24-2  | 8495585  | 8348410  | 8304866  | 8382953  | 1.19   | cps   |
| Manganese  | 55-2  | 273528   | 270334   | 270950   | 271604   | 0.62   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCV54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCV54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:50:38 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 3467700  | 3499685  | 3493651  | 3487012  | 0.49   | cps   |
| Molybdenum | 94-1  | 4077655  | 4036323  | 4025269  | 4046416  | 0.68   | cps   |
| Molybdenum | 95-1  | 2167002  | 2196741  | 2194284  | 2186009  | 0.76   | cps   |
| Molybdenum | 96-1  | 2821233  | 2781834  | 2781794  | 2794954  | 0.81   | cps   |
| Molybdenum | 97-1  | 1319908  | 1317294  | 1328553  | 1321918  | 0.45   | cps   |
| Neodymium  | 150-1 | 227      | 267      | 193      | 229      | 16.04  | cps   |
| Neodymium  | 150-2 | 7        | 10       | 13       | 10       | 33.30  | cps   |
| Nickel     | 60-2  | 292715   | 288143   | 288417   | 289758   | 0.88   | cps   |
| Phosphorus | 31-2  | 5251     | 5435     | 5285     | 5323     | 1.84   | cps   |
| Potassium  | 39-2  | 2538740  | 2540717  | 2510475  | 2529977  | 0.67   | cps   |
| Rhodium    | 103-1 | 6182829  | 6246370  | 6316148  | 6248449  | 1.07   | cps   |
| Rhodium    | 103-2 | 1717188  | 1702777  | 1693584  | 1704516  | 0.70   | cps   |
| Scandium   | 45-1  | 3927033  | 3958214  | 3942020  | 3942423  | 0.40   | cps   |
| Scandium   | 45-2  | 35609    | 35104    | 34857    | 35190    | 1.09   | cps   |
| Selenium   | 77-2  | 430      | 377      | 403      | 403      | 6.61   | cps   |
| Selenium   | 78-2  | 1459     | 1413     | 1452     | 1441     | 1.73   | cps   |
| Selenium   | 82-1  | 64577    | 65105    | 64540    | 64741    | 0.49   | cps   |
| Silicon    | 28-1  | 2281455  | 2295832  | 2267251  | 2281513  | 0.63   | cps   |
| Silver     | 109-1 | 4954174  | 4982145  | 4984288  | 4973536  | 0.34   | cps   |
| Silver     | 107-1 | 5206252  | 5222131  | 5175992  | 5201458  | 0.45   | cps   |
| Sodium     | 23-2  | 20430974 | 20358733 | 20218695 | 20336134 | 0.53   | cps   |
| Strontium  | 86-1  | 1413789  | 1429922  | 1418687  | 1420799  | 0.58   | cps   |
| Strontium  | 88-1  | 12190589 | 12207041 | 12223225 | 12206952 | 0.13   | cps   |
| Sulfur     | 34-1  | 682650   | 684119   | 677460   | 681410   | 0.51   | cps   |
| Terbium    | 159-1 | 8964263  | 9028657  | 9063009  | 9018643  | 0.56   | cps   |
| Terbium    | 159-2 | 1932183  | 1918686  | 1889359  | 1913409  | 1.14   | cps   |
| Thallium   | 203-1 | 3740553  | 3733330  | 3765336  | 3746406  | 0.45   | cps   |
| Thallium   | 205-1 | 8695559  | 8755754  | 8687269  | 8712861  | 0.43   | cps   |
| Tin        | 118-1 | 3532096  | 3562023  | 3546318  | 3546812  | 0.42   | cps   |
| Titanium   | 47-1  | 541693   | 544178   | 537960   | 541277   | 0.58   | cps   |
| Uranium    | 238-1 | 11720277 | 11824196 | 11878954 | 11807809 | 0.68   | cps   |
| Vanadium   | 51-2  | 362278   | 356617   | 361282   | 360059   | 0.84   | cps   |
| Yttrium    | 89-1  | 7327473  | 7266783  | 7419105  | 7337787  | 1.05   | cps   |
| Yttrium    | 89-2  | 246998   | 242379   | 244256   | 244544   | 0.95   | cps   |
| Zinc       | 66-2  | 154947   | 154455   | 154033   | 154479   | 0.30   | cps   |
| Zirconium  | 90-1  | 7513073  | 7584729  | 7533419  | 7543741  | 0.49   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCV54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCV54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:50:38 | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1723631 | 1712160 | 1719666 | 1718486 | 0.34   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:53:35 | DataFile Name :   | 027SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 0       | 17      | 8       | 8       | 100.02 | cps   |
| Antimony   | 121-1 | 2534    | 2875    | 2559    | 2656    | 7.17   | cps   |
| Arsenic    | 75-2  | 4       | 6       | 9       | 6       | 45.85  | cps   |
| Barium     | 135-1 | 33      | 50      | 25      | 36      | 35.25  | cps   |
| Barium     | 137-1 | 92      | 33      | 58      | 61      | 47.89  | cps   |
| Beryllium  | 9-1   | 244     | 200     | 200     | 215     | 11.94  | cps   |
| Bismuth    | 209-1 | 5506932 | 5560367 | 5459805 | 5509035 | 0.91   | cps   |
| Bismuth    | 209-2 | 1512812 | 1537221 | 1504883 | 1518305 | 1.11   | cps   |
| Boron      | 11-1  | 9754    | 9487    | 8545    | 9262    | 6.86   | cps   |
| Boron      | 10-1  | 2350    | 2017    | 1917    | 2095    | 10.83  | cps   |
| Cadmium    | 106-1 | 1558    | 1450    | 1634    | 1547    | 5.96   | cps   |
| Cadmium    | 108-1 | 17      | 17      | 13      | 15      | 15.76  | cps   |
| Cadmium    | 111-1 | 1163    | 1041    | 1168    | 1124    | 6.39   | cps   |
| Calcium    | 43-1  | 1709    | 1584    | 1583    | 1625    | 4.44   | cps   |
| Calcium    | 44-1  | 35671   | 34986   | 35128   | 35262   | 1.03   | cps   |
| Chromium   | 52-2  | 620     | 717     | 670     | 669     | 7.23   | cps   |
| Cobalt     | 59-2  | 57      | 47      | 57      | 53      | 10.82  | cps   |
| Copper     | 63-2  | 330     | 267     | 300     | 299     | 10.60  | cps   |
| Dysprosium | 156-1 | 17      | 17      | 17      | 17      | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 25      | 25      | 8       | 19      | 49.50  | cps   |
| Erbium     | 164-2 | 3       | 3       | 10      | 6       | 69.34  | cps   |
| Gadolinium | 160-1 | 25      | 42      | 50      | 39      | 32.73  | cps   |
| Gadolinium | 160-2 | 17      | 7       | 13      | 12      | 41.65  | cps   |
| Holmium    | 165-1 | 8718276 | 8730556 | 8806041 | 8751624 | 0.54   | cps   |
| Holmium    | 165-2 | 1971826 | 2013006 | 1952399 | 1979077 | 1.56   | cps   |
| Indium     | 115-1 | 7187574 | 7163807 | 7222031 | 7191137 | 0.41   | cps   |
| Indium     | 115-2 | 343788  | 347601  | 341946  | 344445  | 0.84   | cps   |
| Iron       | 56-2  | 2628    | 2600    | 2706    | 2645    | 2.07   | cps   |
| Iron       | 57-2  | 28      | 44      | 56      | 43      | 32.83  | cps   |
| Lead       | 206-1 | 850     | 822     | 878     | 850     | 3.27   | cps   |
| Lead       | 207-1 | 739     | 644     | 650     | 678     | 7.82   | cps   |
| Lead       | 208-1 | 3289    | 3222    | 3250    | 3254    | 1.03   | cps   |
| Lithium    | 6-1   | 1017237 | 1019672 | 1018642 | 1018517 | 0.12   | cps   |
| Magnesium  | 24-2  | 158     | 208     | 117     | 161     | 28.49  | cps   |
| Manganese  | 55-2  | 57      | 50      | 33      | 47      | 25.76  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:53:35 | DataFile Name :   | 027SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 642     | 508     | 458     | 536     | 17.68  | cps   |
| Molybdenum | 94-1  | 683     | 642     | 617     | 647     | 5.20   | cps   |
| Molybdenum | 95-1  | 392     | 258     | 258     | 303     | 25.42  | cps   |
| Molybdenum | 96-1  | 525     | 383     | 383     | 431     | 19.00  | cps   |
| Molybdenum | 97-1  | 225     | 292     | 150     | 222     | 31.89  | cps   |
| Neodymium  | 150-1 | 13      | 20      | 7       | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 237     | 223     | 197     | 219     | 9.30   | cps   |
| Phosphorus | 31-2  | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Potassium  | 39-2  | 3409    | 3642    | 3251    | 3434    | 5.74   | cps   |
| Rhodium    | 103-1 | 6704159 | 6612755 | 6660502 | 6659139 | 0.69   | cps   |
| Rhodium    | 103-2 | 1852407 | 1856844 | 1795213 | 1834821 | 1.87   | cps   |
| Scandium   | 45-1  | 4013297 | 3967472 | 3988273 | 3989681 | 0.58   | cps   |
| Scandium   | 45-2  | 35549   | 35264   | 34690   | 35168   | 1.24   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 4       | 6       | 2       | 4       | 50.09  | cps   |
| Selenium   | 82-1  | -54     | -147    | -32     | -78     | -78.33 | cps   |
| Silicon    | 28-1  | 417968  | 406081  | 405740  | 409930  | 1.70   | cps   |
| Silver     | 109-1 | 258     | 300     | 217     | 258     | 16.13  | cps   |
| Silver     | 107-1 | 325     | 408     | 192     | 308     | 35.45  | cps   |
| Sodium     | 23-2  | 10779   | 10288   | 9845    | 10304   | 4.53   | cps   |
| Strontium  | 86-1  | 900     | 942     | 883     | 908     | 3.31   | cps   |
| Strontium  | 88-1  | 258     | 242     | 267     | 256     | 4.98   | cps   |
| Sulfur     | 34-1  | 360273  | 358066  | 358135  | 358825  | 0.35   | cps   |
| Terbium    | 159-1 | 9112502 | 9009107 | 9098684 | 9073431 | 0.62   | cps   |
| Terbium    | 159-2 | 1954207 | 1947570 | 1919781 | 1940519 | 0.94   | cps   |
| Thallium   | 203-1 | 1225    | 950     | 842     | 1006    | 19.65  | cps   |
| Thallium   | 205-1 | 2350    | 2042    | 2109    | 2167    | 7.49   | cps   |
| Tin        | 118-1 | 2675    | 2650    | 2709    | 2678    | 1.09   | cps   |
| Titanium   | 47-1  | 142     | 192     | 225     | 186     | 22.54  | cps   |
| Uranium    | 238-1 | 258     | 233     | 142     | 211     | 29.10  | cps   |
| Vanadium   | 51-2  | 10      | 7       | 7       | 8       | 24.71  | cps   |
| Yttrium    | 89-1  | 7502189 | 7463571 | 7442488 | 7469416 | 0.41   | cps   |
| Yttrium    | 89-2  | 247763  | 246751  | 245475  | 246663  | 0.46   | cps   |
| Zinc       | 66-2  | 47      | 30      | 33      | 37      | 24.06  | cps   |
| Zirconium  | 90-1  | 1417    | 1525    | 1342    | 1428    | 6.46   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:53:35 | DataFile Name :   | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 308  | 267  | 275  | 283     | 7.78   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-8               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-8               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:04:22 | DataFile Name :   | 028SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 175     | 125     | 142     | 147     | 17.29  | cps   |
| Antimony   | 121-1 | 3159    | 2909    | 2642    | 2903    | 8.90   | cps   |
| Arsenic    | 75-2  | 44      | 33      | 28      | 35      | 24.11  | cps   |
| Barium     | 135-1 | 2492    | 2717    | 2725    | 2645    | 5.01   | cps   |
| Barium     | 137-1 | 4743    | 4609    | 4801    | 4718    | 2.08   | cps   |
| Beryllium  | 9-1   | 344     | 378     | 417     | 380     | 9.52   | cps   |
| Bismuth    | 209-1 | 4899520 | 5197015 | 5136042 | 5077526 | 3.09   | cps   |
| Bismuth    | 209-2 | 1486525 | 1476804 | 1475718 | 1479683 | 0.40   | cps   |
| Boron      | 11-1  | 3117    | 2884    | 2917    | 2973    | 4.25   | cps   |
| Boron      | 10-1  | 558     | 625     | 583     | 589     | 5.72   | cps   |
| Cadmium    | 106-1 | 1292    | 1492    | 1275    | 1353    | 8.91   | cps   |
| Cadmium    | 108-1 | 67      | 54      | 88      | 69      | 24.25  | cps   |
| Cadmium    | 111-1 | 1416    | 1602    | 1419    | 1479    | 7.22   | cps   |
| Calcium    | 43-1  | 2242    | 2175    | 2175    | 2198    | 1.75   | cps   |
| Calcium    | 44-1  | 44329   | 42282   | 40610   | 42407   | 4.39   | cps   |
| Chromium   | 52-2  | 837     | 953     | 983     | 924     | 8.38   | cps   |
| Cobalt     | 59-2  | 523     | 580     | 563     | 556     | 5.24   | cps   |
| Copper     | 63-2  | 1223    | 1057    | 1310    | 1197    | 10.76  | cps   |
| Dysprosium | 156-1 | 8       | 42      | 0       | 17      | 132.30 | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 33      | 8       | 42      | 28      | 62.46  | cps   |
| Erbium     | 164-2 | 3       | 10      | 3       | 6       | 69.34  | cps   |
| Gadolinium | 160-1 | 58      | 42      | 50      | 50      | 16.67  | cps   |
| Gadolinium | 160-2 | 7       | 10      | 10      | 9       | 21.63  | cps   |
| Holmium    | 165-1 | 7896891 | 8303492 | 8044859 | 8081747 | 2.55   | cps   |
| Holmium    | 165-2 | 1943421 | 1923756 | 1919021 | 1928732 | 0.67   | cps   |
| Indium     | 115-1 | 6552882 | 6924030 | 6908694 | 6795202 | 3.09   | cps   |
| Indium     | 115-2 | 340990  | 338808  | 338657  | 339485  | 0.38   | cps   |
| Iron       | 56-2  | 10215   | 10337   | 10621   | 10391   | 2.00   | cps   |
| Iron       | 57-2  | 239     | 222     | 300     | 254     | 16.14  | cps   |
| Lead       | 206-1 | 2189    | 1939    | 1878    | 2002    | 8.23   | cps   |
| Lead       | 207-1 | 1767    | 1950    | 1778    | 1832    | 5.61   | cps   |
| Lead       | 208-1 | 8540    | 8485    | 8240    | 8422    | 1.90   | cps   |
| Lithium    | 6-1   | 920922  | 995268  | 991039  | 969076  | 4.31   | cps   |
| Magnesium  | 24-2  | 1117    | 1167    | 942     | 1075    | 10.99  | cps   |
| Manganese  | 55-2  | 210     | 170     | 190     | 190     | 10.53  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-8               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-8               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:04:22 | DataFile Name :   | 028SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1792    | 1875    | 1892    | 1853    | 2.89   | cps   |
| Molybdenum | 94-1  | 2284    | 2034    | 2292    | 2203    | 6.66   | cps   |
| Molybdenum | 95-1  | 1142    | 1092    | 1158    | 1131    | 3.07   | cps   |
| Molybdenum | 96-1  | 1325    | 1600    | 1508    | 1478    | 9.48   | cps   |
| Molybdenum | 97-1  | 883     | 817     | 725     | 808     | 9.83   | cps   |
| Neodymium  | 150-1 | 13      | 0       | 27      | 13      | 100.01 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 360     | 420     | 377     | 386     | 8.03   | cps   |
| Phosphorus | 31-2  | 0       | 8       | 0       | 3       | 173.21 | cps   |
| Potassium  | 39-2  | 3551    | 3642    | 3534    | 3576    | 1.63   | cps   |
| Rhodium    | 103-1 | 6094580 | 6385044 | 6315411 | 6265011 | 2.42   | cps   |
| Rhodium    | 103-2 | 1806452 | 1784815 | 1793164 | 1794810 | 0.61   | cps   |
| Scandium   | 45-1  | 3617237 | 3861709 | 3830613 | 3769853 | 3.53   | cps   |
| Scandium   | 45-2  | 34643   | 34907   | 34476   | 34675   | 0.63   | cps   |
| Selenium   | 77-2  | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 2       | 6       | 2       | 3       | 69.39  | cps   |
| Selenium   | 82-1  | 218     | 83      | 220     | 173     | 45.35  | cps   |
| Silicon    | 28-1  | 399656  | 393886  | 391303  | 394948  | 1.08   | cps   |
| Silver     | 109-1 | 2609    | 2467    | 2500    | 2525    | 2.93   | cps   |
| Silver     | 107-1 | 2617    | 2600    | 3001    | 2739    | 8.26   | cps   |
| Sodium     | 23-2  | 8495    | 8136    | 8319    | 8317    | 2.16   | cps   |
| Strontium  | 86-1  | 1558    | 1617    | 1333    | 1503    | 9.96   | cps   |
| Strontium  | 88-1  | 6494    | 6402    | 6369    | 6421    | 1.01   | cps   |
| Sulfur     | 34-1  | 359990  | 361162  | 357272  | 359475  | 0.56   | cps   |
| Terbium    | 159-1 | 8187876 | 8656693 | 8509242 | 8451271 | 2.84   | cps   |
| Terbium    | 159-2 | 1892743 | 1868080 | 1881639 | 1880821 | 0.66   | cps   |
| Thallium   | 203-1 | 2175    | 2009    | 1809    | 1997    | 9.19   | cps   |
| Thallium   | 205-1 | 4501    | 4851    | 4426    | 4593    | 4.94   | cps   |
| Tin        | 118-1 | 3142    | 3042    | 2900    | 3028    | 4.01   | cps   |
| Titanium   | 47-1  | 442     | 458     | 408     | 436     | 5.84   | cps   |
| Uranium    | 238-1 | 5635    | 5802    | 5368    | 5602    | 3.90   | cps   |
| Vanadium   | 51-2  | 223     | 193     | 167     | 194     | 14.58  | cps   |
| Yttrium    | 89-1  | 6834473 | 7179626 | 7145228 | 7053109 | 2.70   | cps   |
| Yttrium    | 89-2  | 245169  | 246726  | 245748  | 245881  | 0.32   | cps   |
| Zinc       | 66-2  | 147     | 110     | 113     | 123     | 16.44  | cps   |
| Zirconium  | 90-1  | 4117    | 4459    | 4776    | 4451    | 7.40   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-8               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-8               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:04:22 | DataFile Name :   | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 1075 | 1017 | 1083 | 1058    | 3.43   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-9               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-9               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:07:31 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 100     | 83      | 175     | 119     | 40.88  | cps   |
| Antimony   | 121-1 | 2859    | 2800    | 2759    | 2806    | 1.79   | cps   |
| Arsenic    | 75-2  | 37      | 41      | 41      | 40      | 5.41   | cps   |
| Barium     | 135-1 | 2617    | 2909    | 2917    | 2814    | 6.07   | cps   |
| Barium     | 137-1 | 4909    | 4668    | 4593    | 4723    | 3.51   | cps   |
| Beryllium  | 9-1   | 417     | 456     | 361     | 411     | 11.54  | cps   |
| Bismuth    | 209-1 | 5201012 | 5161532 | 5206541 | 5189695 | 0.47   | cps   |
| Bismuth    | 209-2 | 1505640 | 1375183 | 1491205 | 1457343 | 4.91   | cps   |
| Boron      | 11-1  | 2992    | 2484    | 2734    | 2737    | 9.29   | cps   |
| Boron      | 10-1  | 550     | 767     | 692     | 669     | 16.44  | cps   |
| Cadmium    | 106-1 | 1483    | 1450    | 1417    | 1450    | 2.30   | cps   |
| Cadmium    | 108-1 | 54      | 42      | 54      | 50      | 14.43  | cps   |
| Cadmium    | 111-1 | 1621    | 1603    | 1508    | 1577    | 3.85   | cps   |
| Calcium    | 43-1  | 2317    | 2484    | 2250    | 2350    | 5.11   | cps   |
| Calcium    | 44-1  | 42373   | 42850   | 42423   | 42549   | 0.62   | cps   |
| Chromium   | 52-2  | 1060    | 957     | 977     | 998     | 5.49   | cps   |
| Cobalt     | 59-2  | 647     | 640     | 633     | 640     | 1.04   | cps   |
| Copper     | 63-2  | 1040    | 1193    | 1137    | 1123    | 6.90   | cps   |
| Dysprosium | 156-1 | 8       | 17      | 17      | 14      | 34.67  | cps   |
| Dysprosium | 156-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 75      | 17      | 25      | 39      | 81.12  | cps   |
| Erbium     | 164-2 | 10      | 10      | 7       | 9       | 21.63  | cps   |
| Gadolinium | 160-1 | 100     | 33      | 67      | 67      | 50.00  | cps   |
| Gadolinium | 160-2 | 7       | 23      | 10      | 13      | 66.12  | cps   |
| Holmium    | 165-1 | 8355923 | 8307766 | 8218628 | 8294106 | 0.84   | cps   |
| Holmium    | 165-2 | 1981221 | 1815184 | 1946225 | 1914210 | 4.57   | cps   |
| Indium     | 115-1 | 6980260 | 7047978 | 6981160 | 7003133 | 0.55   | cps   |
| Indium     | 115-2 | 349377  | 317715  | 346536  | 337876  | 5.18   | cps   |
| Iron       | 56-2  | 10777   | 11016   | 10343   | 10712   | 3.18   | cps   |
| Iron       | 57-2  | 333     | 161     | 250     | 248     | 34.71  | cps   |
| Lead       | 206-1 | 2145    | 2089    | 1934    | 2056    | 5.32   | cps   |
| Lead       | 207-1 | 1667    | 1878    | 1822    | 1789    | 6.12   | cps   |
| Lead       | 208-1 | 8379    | 8513    | 8479    | 8457    | 0.82   | cps   |
| Lithium    | 6-1   | 995678  | 973996  | 998312  | 989329  | 1.35   | cps   |
| Magnesium  | 24-2  | 1033    | 1125    | 1167    | 1108    | 6.16   | cps   |
| Manganese  | 55-2  | 160     | 173     | 177     | 170     | 5.19   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-9               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-9               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:07:31 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1675    | 1675    | 1842    | 1731    | 5.56   | cps   |
| Molybdenum | 94-1  | 2259    | 2142    | 2417    | 2273    | 6.08   | cps   |
| Molybdenum | 95-1  | 1133    | 1133    | 1150    | 1139    | 0.85   | cps   |
| Molybdenum | 96-1  | 1542    | 1709    | 1667    | 1639    | 5.29   | cps   |
| Molybdenum | 97-1  | 700     | 792     | 700     | 731     | 7.24   | cps   |
| Neodymium  | 150-1 | 27      | 20      | 7       | 18      | 57.27  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 297     | 343     | 363     | 334     | 10.23  | cps   |
| Phosphorus | 31-2  | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Potassium  | 39-2  | 3342    | 3125    | 3584    | 3351    | 6.84   | cps   |
| Rhodium    | 103-1 | 6491173 | 6510631 | 6489108 | 6496971 | 0.18   | cps   |
| Rhodium    | 103-2 | 1828990 | 1675722 | 1805430 | 1770047 | 4.66   | cps   |
| Scandium   | 45-1  | 3904613 | 3937353 | 3883761 | 3908576 | 0.69   | cps   |
| Scandium   | 45-2  | 35879   | 33193   | 35047   | 34706   | 3.96   | cps   |
| Selenium   | 77-2  | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 9       | 7       | 4       | 7       | 41.70  | cps   |
| Selenium   | 82-1  | 186     | 145     | 186     | 172     | 13.63  | cps   |
| Silicon    | 28-1  | 398334  | 404644  | 406217  | 403065  | 1.03   | cps   |
| Silver     | 109-1 | 2634    | 2667    | 2775    | 2692    | 2.75   | cps   |
| Silver     | 107-1 | 2692    | 3009    | 2675    | 2792    | 6.73   | cps   |
| Sodium     | 23-2  | 8328    | 8244    | 8069    | 8214    | 1.61   | cps   |
| Strontium  | 86-1  | 1575    | 1809    | 1542    | 1642    | 8.85   | cps   |
| Strontium  | 88-1  | 6835    | 6243    | 6385    | 6488    | 4.76   | cps   |
| Sulfur     | 34-1  | 355742  | 358758  | 357067  | 357189  | 0.42   | cps   |
| Terbium    | 159-1 | 8718570 | 8734149 | 8662065 | 8704928 | 0.44   | cps   |
| Terbium    | 159-2 | 1941193 | 1770031 | 1919913 | 1877046 | 4.97   | cps   |
| Thallium   | 203-1 | 1817    | 2234    | 1975    | 2009    | 10.47  | cps   |
| Thallium   | 205-1 | 4768    | 4684    | 4393    | 4615    | 4.27   | cps   |
| Tin        | 118-1 | 2884    | 3084    | 3134    | 3034    | 4.36   | cps   |
| Titanium   | 47-1  | 442     | 367     | 375     | 394     | 10.42  | cps   |
| Uranium    | 238-1 | 5743    | 5793    | 5918    | 5818    | 1.55   | cps   |
| Vanadium   | 51-2  | 183     | 237     | 180     | 200     | 15.90  | cps   |
| Yttrium    | 89-1  | 7319190 | 7245232 | 7217256 | 7260559 | 0.73   | cps   |
| Yttrium    | 89-2  | 251126  | 230861  | 248317  | 243435  | 4.51   | cps   |
| Zinc       | 66-2  | 80      | 120     | 120     | 107     | 21.65  | cps   |
| Zirconium  | 90-1  | 4134    | 4259    | 4151    | 4181    | 1.62   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-9               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-9               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:07:31 | DataFile Name :   | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 1117 | 1058 | 975  | 1050    | 6.78   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-10              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-10              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:10:40 | DataFile Name :   | 030SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 92      | 108     | 125     | 108     | 15.39  | cps   |
| Antimony   | 121-1 | 2459    | 2675    | 2509    | 2548    | 4.45   | cps   |
| Arsenic    | 75-2  | 20      | 28      | 35      | 28      | 26.67  | cps   |
| Barium     | 135-1 | 2625    | 2500    | 2600    | 2575    | 2.57   | cps   |
| Barium     | 137-1 | 4393    | 4643    | 4318    | 4451    | 3.82   | cps   |
| Beryllium  | 9-1   | 422     | 450     | 406     | 426     | 5.27   | cps   |
| Bismuth    | 209-1 | 5174385 | 5179184 | 5183385 | 5178985 | 0.09   | cps   |
| Bismuth    | 209-2 | 1517025 | 1506856 | 1505067 | 1509649 | 0.43   | cps   |
| Boron      | 11-1  | 2684    | 2567    | 2092    | 2448    | 12.81  | cps   |
| Boron      | 10-1  | 450     | 558     | 392     | 467     | 18.12  | cps   |
| Cadmium    | 106-1 | 1467    | 1408    | 1509    | 1461    | 3.44   | cps   |
| Cadmium    | 108-1 | 50      | 46      | 38      | 44      | 14.32  | cps   |
| Cadmium    | 111-1 | 1588    | 1433    | 1571    | 1531    | 5.55   | cps   |
| Calcium    | 43-1  | 2250    | 2075    | 2200    | 2175    | 4.15   | cps   |
| Calcium    | 44-1  | 41178   | 42440   | 42541   | 42053   | 1.81   | cps   |
| Chromium   | 52-2  | 957     | 893     | 1030    | 960     | 7.12   | cps   |
| Cobalt     | 59-2  | 657     | 627     | 537     | 607     | 10.29  | cps   |
| Copper     | 63-2  | 1100    | 1203    | 1167    | 1157    | 4.53   | cps   |
| Dysprosium | 156-1 | 17      | 33      | 8       | 19      | 65.47  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 67      | 25      | 33      | 42      | 52.91  | cps   |
| Erbium     | 164-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 83      | 50      | 33      | 56      | 45.83  | cps   |
| Gadolinium | 160-2 | 3       | 10      | 0       | 4       | 114.60 | cps   |
| Holmium    | 165-1 | 8390736 | 8228793 | 8261304 | 8293611 | 1.03   | cps   |
| Holmium    | 165-2 | 1992636 | 1999860 | 1983625 | 1992040 | 0.41   | cps   |
| Indium     | 115-1 | 7054765 | 7077744 | 6914919 | 7015809 | 1.26   | cps   |
| Indium     | 115-2 | 350875  | 350575  | 349035  | 350162  | 0.28   | cps   |
| Iron       | 56-2  | 10399   | 9993    | 9876    | 10089   | 2.72   | cps   |
| Iron       | 57-2  | 211     | 239     | 261     | 237     | 10.57  | cps   |
| Lead       | 206-1 | 2106    | 2011    | 2006    | 2041    | 2.75   | cps   |
| Lead       | 207-1 | 1872    | 1595    | 1850    | 1772    | 8.71   | cps   |
| Lead       | 208-1 | 8257    | 7807    | 7879    | 7981    | 3.03   | cps   |
| Lithium    | 6-1   | 975060  | 1010066 | 980399  | 988508  | 1.91   | cps   |
| Magnesium  | 24-2  | 1150    | 1033    | 1067    | 1083    | 5.55   | cps   |
| Manganese  | 55-2  | 207     | 207     | 177     | 197     | 8.81   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-10              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-10              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:10:40 | DataFile Name :   | 030SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1717    | 1700    | 1450    | 1622    | 9.21   | cps   |
| Molybdenum | 94-1  | 2200    | 2092    | 2125    | 2139    | 2.59   | cps   |
| Molybdenum | 95-1  | 1100    | 917     | 908     | 975     | 11.11  | cps   |
| Molybdenum | 96-1  | 1442    | 1392    | 1584    | 1472    | 6.75   | cps   |
| Molybdenum | 97-1  | 592     | 667     | 733     | 664     | 10.68  | cps   |
| Neodymium  | 150-1 | 20      | 20      | 0       | 13      | 86.60  | cps   |
| Neodymium  | 150-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 410     | 377     | 383     | 390     | 4.52   | cps   |
| Phosphorus | 31-2  | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Potassium  | 39-2  | 3426    | 3709    | 3392    | 3509    | 4.96   | cps   |
| Rhodium    | 103-1 | 6491962 | 6606518 | 6544264 | 6547582 | 0.88   | cps   |
| Rhodium    | 103-2 | 1867586 | 1867416 | 1827101 | 1854035 | 1.26   | cps   |
| Scandium   | 45-1  | 3964697 | 3944975 | 3961349 | 3957007 | 0.27   | cps   |
| Scandium   | 45-2  | 35863   | 36153   | 35963   | 35993   | 0.41   | cps   |
| Selenium   | 77-2  | 3       | 3       | 3       | 3       | 0.00   | cps   |
| Selenium   | 78-2  | 9       | 7       | 11      | 9       | 19.98  | cps   |
| Selenium   | 82-1  | 167     | 209     | 232     | 202     | 16.13  | cps   |
| Silicon    | 28-1  | 412038  | 404408  | 394888  | 403778  | 2.13   | cps   |
| Silver     | 109-1 | 2467    | 2184    | 2784    | 2478    | 12.11  | cps   |
| Silver     | 107-1 | 2734    | 2884    | 2867    | 2828    | 2.91   | cps   |
| Sodium     | 23-2  | 8194    | 8395    | 8336    | 8308    | 1.24   | cps   |
| Strontium  | 86-1  | 1559    | 1759    | 1558    | 1625    | 7.11   | cps   |
| Strontium  | 88-1  | 5810    | 6202    | 6452    | 6154    | 5.26   | cps   |
| Sulfur     | 34-1  | 363459  | 360442  | 358245  | 360715  | 0.73   | cps   |
| Terbium    | 159-1 | 8682632 | 8767002 | 8626750 | 8692128 | 0.81   | cps   |
| Terbium    | 159-2 | 1959021 | 1916288 | 1933250 | 1936186 | 1.11   | cps   |
| Thallium   | 203-1 | 1817    | 1859    | 1817    | 1831    | 1.31   | cps   |
| Thallium   | 205-1 | 4343    | 4776    | 4659    | 4593    | 4.88   | cps   |
| Tin        | 118-1 | 2975    | 2992    | 2784    | 2917    | 3.97   | cps   |
| Titanium   | 47-1  | 417     | 425     | 450     | 431     | 4.03   | cps   |
| Uranium    | 238-1 | 5401    | 5343    | 5143    | 5296    | 2.56   | cps   |
| Vanadium   | 51-2  | 140     | 190     | 157     | 162     | 15.70  | cps   |
| Yttrium    | 89-1  | 7380007 | 7335982 | 7286367 | 7334119 | 0.64   | cps   |
| Yttrium    | 89-2  | 251177  | 253724  | 252346  | 252416  | 0.51   | cps   |
| Zinc       | 66-2  | 130     | 90      | 90      | 103     | 22.35  | cps   |
| Zirconium  | 90-1  | 4376    | 4559    | 3992    | 4309    | 6.71   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-10              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-10              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:10:40 | DataFile Name :   | 030SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 883  | 1008 | 908  | 933     | 7.09   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-11              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-11              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:13:49 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 158     | 117     | 142     | 139     | 15.10  | cps   |
| Antimony   | 121-1 | 2917    | 2717    | 2750    | 2795    | 3.84   | cps   |
| Arsenic    | 75-2  | 43      | 26      | 43      | 37      | 25.97  | cps   |
| Barium     | 135-1 | 2509    | 2550    | 2767    | 2609    | 5.32   | cps   |
| Barium     | 137-1 | 4659    | 4509    | 5068    | 4745    | 6.09   | cps   |
| Beryllium  | 9-1   | 511     | 389     | 400     | 433     | 15.60  | cps   |
| Bismuth    | 209-1 | 4757050 | 5086773 | 5086258 | 4976693 | 3.82   | cps   |
| Bismuth    | 209-2 | 1521993 | 1507698 | 1491244 | 1506978 | 1.02   | cps   |
| Boron      | 11-1  | 2350    | 2534    | 2817    | 2567    | 9.16   | cps   |
| Boron      | 10-1  | 558     | 600     | 650     | 603     | 7.61   | cps   |
| Cadmium    | 106-1 | 1400    | 1584    | 1475    | 1486    | 6.20   | cps   |
| Cadmium    | 108-1 | 58      | 54      | 67      | 60      | 10.66  | cps   |
| Cadmium    | 111-1 | 1448    | 1625    | 1432    | 1501    | 7.13   | cps   |
| Calcium    | 43-1  | 2434    | 2267    | 1917    | 2206    | 11.96  | cps   |
| Calcium    | 44-1  | 42072   | 43335   | 42490   | 42633   | 1.51   | cps   |
| Chromium   | 52-2  | 983     | 1073    | 957     | 1005    | 6.09   | cps   |
| Cobalt     | 59-2  | 593     | 677     | 673     | 648     | 7.28   | cps   |
| Copper     | 63-2  | 1150    | 1193    | 1203    | 1182    | 2.40   | cps   |
| Dysprosium | 156-1 | 17      | 17      | 8       | 14      | 34.67  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 33      | 17      | 25      | 25      | 33.32  | cps   |
| Erbium     | 164-2 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Gadolinium | 160-1 | 67      | 67      | 50      | 61      | 15.75  | cps   |
| Gadolinium | 160-2 | 10      | 3       | 10      | 8       | 49.52  | cps   |
| Holmium    | 165-1 | 7507242 | 8346001 | 8112881 | 7988708 | 5.42   | cps   |
| Holmium    | 165-2 | 1997544 | 1983308 | 1975975 | 1985609 | 0.55   | cps   |
| Indium     | 115-1 | 6477550 | 7077816 | 7056080 | 6870482 | 4.96   | cps   |
| Indium     | 115-2 | 354284  | 353053  | 346876  | 351404  | 1.13   | cps   |
| Iron       | 56-2  | 10955   | 10471   | 10365   | 10597   | 2.97   | cps   |
| Iron       | 57-2  | 333     | 311     | 217     | 287     | 21.58  | cps   |
| Lead       | 206-1 | 2100    | 2117    | 2050    | 2089    | 1.66   | cps   |
| Lead       | 207-1 | 1989    | 2111    | 1839    | 1980    | 6.89   | cps   |
| Lead       | 208-1 | 8346    | 8368    | 8140    | 8285    | 1.52   | cps   |
| Lithium    | 6-1   | 901383  | 974839  | 970262  | 948828  | 4.34   | cps   |
| Magnesium  | 24-2  | 1125    | 1325    | 1142    | 1197    | 9.27   | cps   |
| Manganese  | 55-2  | 227     | 267     | 227     | 240     | 9.62   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-11              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-11              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:13:49 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1859    | 1759    | 1742    | 1786    | 3.53   | cps   |
| Molybdenum | 94-1  | 2234    | 2317    | 2500    | 2350    | 5.81   | cps   |
| Molybdenum | 95-1  | 1358    | 1000    | 1017    | 1125    | 17.98  | cps   |
| Molybdenum | 96-1  | 1675    | 1467    | 1317    | 1486    | 12.11  | cps   |
| Molybdenum | 97-1  | 767     | 700     | 717     | 728     | 4.77   | cps   |
| Neodymium  | 150-1 | 13      | 27      | 7       | 16      | 65.47  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 373     | 430     | 417     | 407     | 7.29   | cps   |
| Phosphorus | 31-2  | 8       | 25      | 8       | 14      | 69.31  | cps   |
| Potassium  | 39-2  | 3592    | 3492    | 3451    | 3512    | 2.07   | cps   |
| Rhodium    | 103-1 | 5951766 | 6542459 | 6545779 | 6346668 | 5.39   | cps   |
| Rhodium    | 103-2 | 1852160 | 1858794 | 1816306 | 1842420 | 1.24   | cps   |
| Scandium   | 45-1  | 3612767 | 3998344 | 3932137 | 3847750 | 5.36   | cps   |
| Scandium   | 45-2  | 35682   | 35913   | 35615   | 35737   | 0.44   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 4       | 17      | 9       | 10      | 65.88  | cps   |
| Selenium   | 82-1  | 268     | 242     | 209     | 240     | 12.38  | cps   |
| Silicon    | 28-1  | 416039  | 408430  | 409597  | 411355  | 1.00   | cps   |
| Silver     | 109-1 | 2775    | 2584    | 2642    | 2667    | 3.69   | cps   |
| Silver     | 107-1 | 2925    | 2900    | 3050    | 2959    | 2.72   | cps   |
| Sodium     | 23-2  | 8236    | 8403    | 8578    | 8406    | 2.03   | cps   |
| Strontium  | 86-1  | 1650    | 1742    | 1667    | 1686    | 2.90   | cps   |
| Strontium  | 88-1  | 6602    | 6694    | 6569    | 6621    | 0.98   | cps   |
| Sulfur     | 34-1  | 366177  | 370281  | 365006  | 367155  | 0.75   | cps   |
| Terbium    | 159-1 | 7847212 | 8632373 | 8655829 | 8378471 | 5.49   | cps   |
| Terbium    | 159-2 | 1958511 | 1945617 | 1879851 | 1927993 | 2.19   | cps   |
| Thallium   | 203-1 | 2292    | 2159    | 1742    | 2064    | 13.90  | cps   |
| Thallium   | 205-1 | 4568    | 4376    | 4559    | 4501    | 2.41   | cps   |
| Tin        | 118-1 | 2892    | 2767    | 2800    | 2820    | 2.30   | cps   |
| Titanium   | 47-1  | 350     | 458     | 517     | 442     | 19.15  | cps   |
| Uranium    | 238-1 | 5893    | 5560    | 5426    | 5627    | 4.27   | cps   |
| Vanadium   | 51-2  | 210     | 160     | 197     | 189     | 13.71  | cps   |
| Yttrium    | 89-1  | 6670421 | 7415708 | 7242950 | 7109693 | 5.49   | cps   |
| Yttrium    | 89-2  | 256125  | 253664  | 251606  | 253799  | 0.89   | cps   |
| Zinc       | 66-2  | 120     | 127     | 67      | 104     | 31.49  | cps   |
| Zirconium  | 90-1  | 4301    | 4493    | 4176    | 4323    | 3.69   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-11              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-11              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:13:49 | DataFile Name :   | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 958  | 925  | 892  | 925     | 3.60   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-12              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-12              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:16:58 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 150     | 50      | 92      | 97      | 51.67  | cps   |
| Antimony   | 121-1 | 2859    | 2750    | 2384    | 2664    | 9.34   | cps   |
| Arsenic    | 75-2  | 35      | 28      | 37      | 33      | 14.70  | cps   |
| Barium     | 135-1 | 2300    | 2459    | 2500    | 2420    | 4.36   | cps   |
| Barium     | 137-1 | 4384    | 4351    | 4501    | 4412    | 1.79   | cps   |
| Beryllium  | 9-1   | 389     | 456     | 300     | 381     | 20.46  | cps   |
| Bismuth    | 209-1 | 5178729 | 5135144 | 5221656 | 5178510 | 0.84   | cps   |
| Bismuth    | 209-2 | 1515678 | 1515159 | 1428171 | 1486336 | 3.39   | cps   |
| Boron      | 11-1  | 2117    | 2484    | 2167    | 2256    | 8.82   | cps   |
| Boron      | 10-1  | 450     | 525     | 567     | 514     | 11.51  | cps   |
| Cadmium    | 106-1 | 1458    | 1675    | 1408    | 1514    | 9.36   | cps   |
| Cadmium    | 108-1 | 25      | 71      | 63      | 53      | 46.26  | cps   |
| Cadmium    | 111-1 | 1491    | 1611    | 1496    | 1533    | 4.41   | cps   |
| Calcium    | 43-1  | 2059    | 2242    | 2150    | 2150    | 4.27   | cps   |
| Calcium    | 44-1  | 41521   | 42599   | 41095   | 41738   | 1.86   | cps   |
| Chromium   | 52-2  | 957     | 980     | 927     | 954     | 2.80   | cps   |
| Cobalt     | 59-2  | 617     | 560     | 600     | 592     | 4.92   | cps   |
| Copper     | 63-2  | 1093    | 1037    | 1280    | 1137    | 11.20  | cps   |
| Dysprosium | 156-1 | 8       | 75      | 17      | 33      | 108.97 | cps   |
| Dysprosium | 156-2 | 3       | 0       | 7       | 3       | 100.05 | cps   |
| Erbium     | 164-1 | 33      | 67      | 17      | 39      | 65.47  | cps   |
| Erbium     | 164-2 | 13      | 10      | 0       | 8       | 89.21  | cps   |
| Gadolinium | 160-1 | 75      | 92      | 67      | 78      | 16.37  | cps   |
| Gadolinium | 160-2 | 3       | 3       | 7       | 4       | 43.40  | cps   |
| Holmium    | 165-1 | 8222426 | 8404644 | 8369066 | 8332045 | 1.16   | cps   |
| Holmium    | 165-2 | 2017874 | 1997847 | 1888891 | 1968204 | 3.53   | cps   |
| Indium     | 115-1 | 7074549 | 7049611 | 7167931 | 7097364 | 0.88   | cps   |
| Indium     | 115-2 | 353455  | 350260  | 329544  | 344420  | 3.77   | cps   |
| Iron       | 56-2  | 10404   | 9815    | 10260   | 10160   | 3.02   | cps   |
| Iron       | 57-2  | 267     | 294     | 311     | 291     | 7.72   | cps   |
| Lead       | 206-1 | 2011    | 1895    | 1945    | 1950    | 3.00   | cps   |
| Lead       | 207-1 | 1684    | 1695    | 1583    | 1654    | 3.70   | cps   |
| Lead       | 208-1 | 8046    | 7796    | 7607    | 7816    | 2.82   | cps   |
| Lithium    | 6-1   | 998170  | 988125  | 1002378 | 996224  | 0.74   | cps   |
| Magnesium  | 24-2  | 1025    | 1058    | 1125    | 1070    | 4.76   | cps   |
| Manganese  | 55-2  | 177     | 170     | 193     | 180     | 6.68   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-12              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-12              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:16:58 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1559    | 1550    | 1425    | 1511    | 4.94   | cps   |
| Molybdenum | 94-1  | 1725    | 2200    | 2309    | 2078    | 14.93  | cps   |
| Molybdenum | 95-1  | 1042    | 1000    | 1158    | 1067    | 7.70   | cps   |
| Molybdenum | 96-1  | 1642    | 1267    | 1617    | 1508    | 13.90  | cps   |
| Molybdenum | 97-1  | 767     | 642     | 700     | 703     | 8.90   | cps   |
| Neodymium  | 150-1 | 13      | 0       | 13      | 9       | 86.60  | cps   |
| Neodymium  | 150-2 | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 367     | 417     | 443     | 409     | 9.52   | cps   |
| Phosphorus | 31-2  | 33      | 0       | 17      | 17      | 99.99  | cps   |
| Potassium  | 39-2  | 3692    | 3534    | 3576    | 3601    | 2.28   | cps   |
| Rhodium    | 103-1 | 6590682 | 6548083 | 6681246 | 6606670 | 1.03   | cps   |
| Rhodium    | 103-2 | 1844778 | 1861921 | 1737219 | 1814639 | 3.72   | cps   |
| Scandium   | 45-1  | 3974366 | 3870649 | 4005581 | 3950199 | 1.79   | cps   |
| Scandium   | 45-2  | 36250   | 36137   | 34647   | 35678   | 2.51   | cps   |
| Selenium   | 77-2  | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Selenium   | 78-2  | 2       | 6       | 9       | 6       | 66.68  | cps   |
| Selenium   | 82-1  | 252     | 267     | 202     | 240     | 14.09  | cps   |
| Silicon    | 28-1  | 405121  | 411984  | 405407  | 407504  | 0.95   | cps   |
| Silver     | 109-1 | 2784    | 2475    | 2592    | 2617    | 5.95   | cps   |
| Silver     | 107-1 | 2742    | 2950    | 2850    | 2848    | 3.66   | cps   |
| Sodium     | 23-2  | 7928    | 7694    | 7527    | 7716    | 2.61   | cps   |
| Strontium  | 86-1  | 1592    | 1709    | 1675    | 1659    | 3.62   | cps   |
| Strontium  | 88-1  | 5835    | 6052    | 6152    | 6013    | 2.69   | cps   |
| Sulfur     | 34-1  | 369078  | 366403  | 366262  | 367248  | 0.43   | cps   |
| Terbium    | 159-1 | 8643609 | 8662502 | 8747452 | 8684521 | 0.64   | cps   |
| Terbium    | 159-2 | 1965441 | 1949041 | 1825117 | 1913199 | 4.01   | cps   |
| Thallium   | 203-1 | 1767    | 1784    | 1750    | 1767    | 0.94   | cps   |
| Thallium   | 205-1 | 4534    | 4443    | 4084    | 4354    | 5.46   | cps   |
| Tin        | 118-1 | 2450    | 3109    | 2892    | 2817    | 11.91  | cps   |
| Titanium   | 47-1  | 417     | 342     | 467     | 408     | 15.41  | cps   |
| Uranium    | 238-1 | 5218    | 5543    | 5585    | 5449    | 3.69   | cps   |
| Vanadium   | 51-2  | 193     | 177     | 237     | 202     | 15.32  | cps   |
| Yttrium    | 89-1  | 7315243 | 7363429 | 7479747 | 7386140 | 1.14   | cps   |
| Yttrium    | 89-2  | 255814  | 253040  | 240943  | 249932  | 3.16   | cps   |
| Zinc       | 66-2  | 93      | 107     | 113     | 104     | 9.75   | cps   |
| Zirconium  | 90-1  | 3967    | 3942    | 4226    | 4045    | 3.88   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-12              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-12              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:16:58 | DataFile Name :   | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 900  | 783  | 983  | 889     | 11.30  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-13              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-13              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:23:15 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 133     | 125     | 117     | 125     | 6.67   | cps   |
| Antimony   | 121-1 | 2684    | 2367    | 2342    | 2464    | 7.73   | cps   |
| Arsenic    | 75-2  | 20      | 30      | 37      | 29      | 28.79  | cps   |
| Barium     | 135-1 | 2667    | 2692    | 2692    | 2684    | 0.54   | cps   |
| Barium     | 137-1 | 4809    | 4709    | 4276    | 4598    | 6.17   | cps   |
| Beryllium  | 9-1   | 294     | 389     | 394     | 359     | 15.64  | cps   |
| Bismuth    | 209-1 | 5150451 | 5181183 | 5150690 | 5160774 | 0.34   | cps   |
| Bismuth    | 209-2 | 1522163 | 1499883 | 1502210 | 1508085 | 0.81   | cps   |
| Boron      | 11-1  | 2192    | 1917    | 2242    | 2117    | 8.27   | cps   |
| Boron      | 10-1  | 475     | 383     | 350     | 403     | 16.07  | cps   |
| Cadmium    | 106-1 | 1525    | 1425    | 1650    | 1533    | 7.35   | cps   |
| Cadmium    | 108-1 | 50      | 33      | 38      | 40      | 21.54  | cps   |
| Cadmium    | 111-1 | 1516    | 1545    | 1704    | 1588    | 6.37   | cps   |
| Calcium    | 43-1  | 1842    | 2442    | 2159    | 2147    | 13.98  | cps   |
| Calcium    | 44-1  | 41186   | 41964   | 41562   | 41571   | 0.94   | cps   |
| Chromium   | 52-2  | 893     | 973     | 897     | 921     | 4.91   | cps   |
| Cobalt     | 59-2  | 610     | 597     | 647     | 618     | 4.19   | cps   |
| Copper     | 63-2  | 1073    | 1240    | 1213    | 1176    | 7.62   | cps   |
| Dysprosium | 156-1 | 50      | 67      | 8       | 42      | 72.12  | cps   |
| Dysprosium | 156-2 | 7       | 3       | 3       | 4       | 43.40  | cps   |
| Erbium     | 164-1 | 50      | 42      | 42      | 44      | 10.82  | cps   |
| Erbium     | 164-2 | 0       | 10      | 3       | 4       | 114.60 | cps   |
| Gadolinium | 160-1 | 50      | 67      | 50      | 56      | 17.32  | cps   |
| Gadolinium | 160-2 | 7       | 3       | 13      | 8       | 65.47  | cps   |
| Holmium    | 165-1 | 8291300 | 8302185 | 8266286 | 8286591 | 0.22   | cps   |
| Holmium    | 165-2 | 2037618 | 1969495 | 1992992 | 2000035 | 1.73   | cps   |
| Indium     | 115-1 | 7035170 | 7075907 | 7181732 | 7097603 | 1.07   | cps   |
| Indium     | 115-2 | 356702  | 351501  | 353243  | 353815  | 0.75   | cps   |
| Iron       | 56-2  | 10460   | 10098   | 10393   | 10317   | 1.86   | cps   |
| Iron       | 57-2  | 244     | 239     | 189     | 224     | 13.65  | cps   |
| Lead       | 206-1 | 1939    | 1917    | 1917    | 1924    | 0.67   | cps   |
| Lead       | 207-1 | 1600    | 1722    | 1717    | 1680    | 4.11   | cps   |
| Lead       | 208-1 | 7746    | 7823    | 7245    | 7605    | 4.12   | cps   |
| Lithium    | 6-1   | 985528  | 1000278 | 1005959 | 997255  | 1.06   | cps   |
| Magnesium  | 24-2  | 892     | 1058    | 1142    | 1031    | 12.35  | cps   |
| Manganese  | 55-2  | 207     | 223     | 180     | 203     | 10.75  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-13              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-13              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:23:15 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1842    | 1734    | 1717    | 1764    | 3.85   | cps   |
| Molybdenum | 94-1  | 1934    | 2025    | 2050    | 2003    | 3.07   | cps   |
| Molybdenum | 95-1  | 950     | 1050    | 1058    | 1020    | 5.91   | cps   |
| Molybdenum | 96-1  | 1442    | 1542    | 1458    | 1481    | 3.62   | cps   |
| Molybdenum | 97-1  | 708     | 658     | 592     | 653     | 8.97   | cps   |
| Neodymium  | 150-1 | 13      | 7       | 20      | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 377     | 363     | 370     | 370     | 1.80   | cps   |
| Phosphorus | 31-2  | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Potassium  | 39-2  | 3459    | 3717    | 3701    | 3626    | 3.99   | cps   |
| Rhodium    | 103-1 | 6552950 | 6615028 | 6609154 | 6592377 | 0.52   | cps   |
| Rhodium    | 103-2 | 1869356 | 1839792 | 1868317 | 1859155 | 0.90   | cps   |
| Scandium   | 45-1  | 4002361 | 4051868 | 4051860 | 4035363 | 0.71   | cps   |
| Scandium   | 45-2  | 36314   | 35565   | 35689   | 35856   | 1.12   | cps   |
| Selenium   | 77-2  | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 15      | 6       | 11      | 10      | 44.37  | cps   |
| Selenium   | 82-1  | 250     | 111     | 99      | 153     | 54.67  | cps   |
| Silicon    | 28-1  | 413981  | 415578  | 415039  | 414866  | 0.20   | cps   |
| Silver     | 109-1 | 2450    | 2300    | 2275    | 2342    | 4.04   | cps   |
| Silver     | 107-1 | 2517    | 2667    | 2442    | 2542    | 4.51   | cps   |
| Sodium     | 23-2  | 8069    | 8286    | 7544    | 7966    | 4.79   | cps   |
| Strontium  | 86-1  | 1542    | 1634    | 1575    | 1583    | 2.93   | cps   |
| Strontium  | 88-1  | 6235    | 5693    | 5960    | 5963    | 4.54   | cps   |
| Sulfur     | 34-1  | 362003  | 367613  | 362244  | 363953  | 0.87   | cps   |
| Terbium    | 159-1 | 8694196 | 8776148 | 8717443 | 8729262 | 0.48   | cps   |
| Terbium    | 159-2 | 1955810 | 1927913 | 1958085 | 1947270 | 0.86   | cps   |
| Thallium   | 203-1 | 1859    | 1684    | 1900    | 1814    | 6.34   | cps   |
| Thallium   | 205-1 | 4184    | 4168    | 4434    | 4262    | 3.51   | cps   |
| Tin        | 118-1 | 3059    | 2592    | 2700    | 2784    | 8.78   | cps   |
| Titanium   | 47-1  | 358     | 433     | 450     | 414     | 11.80  | cps   |
| Uranium    | 238-1 | 5193    | 5426    | 4951    | 5190    | 4.58   | cps   |
| Vanadium   | 51-2  | 180     | 227     | 160     | 189     | 18.11  | cps   |
| Yttrium    | 89-1  | 7400550 | 7487893 | 7497636 | 7462027 | 0.72   | cps   |
| Yttrium    | 89-2  | 258609  | 253973  | 256319  | 256300  | 0.90   | cps   |
| Zinc       | 66-2  | 113     | 140     | 127     | 127     | 10.52  | cps   |
| Zirconium  | 90-1  | 4092    | 4042    | 3992    | 4042    | 1.24   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-13              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-13              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:23:15 | DataFile Name :   | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 867  | 1050 | 950  | 956     | 9.61   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-14              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-14              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:26:23 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 133     | 83      | 92      | 103     | 26.06  | cps   |
| Antimony   | 121-1 | 2484    | 2467    | 2550    | 2500    | 1.76   | cps   |
| Arsenic    | 75-2  | 41      | 31      | 17      | 30      | 40.98  | cps   |
| Barium     | 135-1 | 2492    | 2784    | 2825    | 2700    | 6.73   | cps   |
| Barium     | 137-1 | 4401    | 4860    | 4751    | 4670    | 5.13   | cps   |
| Beryllium  | 9-1   | 361     | 400     | 394     | 385     | 5.46   | cps   |
| Bismuth    | 209-1 | 4808736 | 5060971 | 5092625 | 4987444 | 3.12   | cps   |
| Bismuth    | 209-2 | 1497008 | 1497896 | 1507120 | 1500675 | 0.37   | cps   |
| Boron      | 11-1  | 1592    | 1900    | 1675    | 1722    | 9.26   | cps   |
| Boron      | 10-1  | 383     | 392     | 400     | 392     | 2.13   | cps   |
| Cadmium    | 106-1 | 1367    | 1383    | 1559    | 1436    | 7.39   | cps   |
| Cadmium    | 108-1 | 54      | 63      | 50      | 56      | 11.46  | cps   |
| Cadmium    | 111-1 | 1431    | 1475    | 1643    | 1517    | 7.39   | cps   |
| Calcium    | 43-1  | 2125    | 2350    | 2042    | 2172    | 7.34   | cps   |
| Calcium    | 44-1  | 41705   | 41980   | 42148   | 41944   | 0.53   | cps   |
| Chromium   | 52-2  | 973     | 1043    | 1040    | 1019    | 3.88   | cps   |
| Cobalt     | 59-2  | 670     | 557     | 527     | 584     | 12.93  | cps   |
| Copper     | 63-2  | 1037    | 1247    | 1113    | 1132    | 9.39   | cps   |
| Dysprosium | 156-1 | 8       | 17      | 17      | 14      | 34.67  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 33      | 50      | 33      | 39      | 24.75  | cps   |
| Erbium     | 164-2 | 10      | 10      | 0       | 7       | 86.60  | cps   |
| Gadolinium | 160-1 | 75      | 50      | 58      | 61      | 20.83  | cps   |
| Gadolinium | 160-2 | 3       | 0       | 10      | 4       | 114.60 | cps   |
| Holmium    | 165-1 | 7886604 | 8189827 | 8236722 | 8104384 | 2.35   | cps   |
| Holmium    | 165-2 | 2022303 | 1988064 | 1993662 | 2001343 | 0.92   | cps   |
| Indium     | 115-1 | 6832335 | 7054784 | 7160513 | 7015877 | 2.39   | cps   |
| Indium     | 115-2 | 359370  | 353929  | 352815  | 355371  | 0.99   | cps   |
| Iron       | 56-2  | 10299   | 10337   | 10838   | 10491   | 2.87   | cps   |
| Iron       | 57-2  | 256     | 250     | 228     | 244     | 6.01   | cps   |
| Lead       | 206-1 | 1795    | 1750    | 2189    | 1911    | 12.64  | cps   |
| Lead       | 207-1 | 1617    | 1745    | 1817    | 1726    | 5.87   | cps   |
| Lead       | 208-1 | 7629    | 7651    | 8129    | 7803    | 3.62   | cps   |
| Lithium    | 6-1   | 953519  | 982524  | 992738  | 976260  | 2.08   | cps   |
| Magnesium  | 24-2  | 1083    | 1242    | 1092    | 1139    | 7.82   | cps   |
| Manganese  | 55-2  | 200     | 147     | 227     | 191     | 21.31  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-14              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-14              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:26:23 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1483    | 1834    | 1800    | 1706    | 11.33  | cps   |
| Molybdenum | 94-1  | 2109    | 2334    | 2375    | 2273    | 6.31   | cps   |
| Molybdenum | 95-1  | 1058    | 1142    | 933     | 1045    | 10.04  | cps   |
| Molybdenum | 96-1  | 1442    | 1417    | 1517    | 1458    | 3.57   | cps   |
| Molybdenum | 97-1  | 800     | 617     | 792     | 736     | 14.06  | cps   |
| Neodymium  | 150-1 | 13      | 0       | 13      | 9       | 86.60  | cps   |
| Neodymium  | 150-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 350     | 380     | 423     | 384     | 9.59   | cps   |
| Phosphorus | 31-2  | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Potassium  | 39-2  | 3301    | 3259    | 3667    | 3409    | 6.59   | cps   |
| Rhodium    | 103-1 | 6152361 | 6485642 | 6650695 | 6429566 | 3.95   | cps   |
| Rhodium    | 103-2 | 1880259 | 1857892 | 1878571 | 1872241 | 0.67   | cps   |
| Scandium   | 45-1  | 3833474 | 3960458 | 3989524 | 3927818 | 2.11   | cps   |
| Scandium   | 45-2  | 36314   | 36337   | 36320   | 36324   | 0.03   | cps   |
| Selenium   | 77-2  | 3       | 0       | 7       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 15      | 9       | 2       | 9       | 75.26  | cps   |
| Selenium   | 82-1  | 74      | 276     | 285     | 212     | 56.26  | cps   |
| Silicon    | 28-1  | 409445  | 413579  | 413189  | 412071  | 0.55   | cps   |
| Silver     | 109-1 | 2659    | 2642    | 2334    | 2545    | 7.19   | cps   |
| Silver     | 107-1 | 2459    | 2734    | 2859    | 2684    | 7.63   | cps   |
| Sodium     | 23-2  | 7886    | 8144    | 7444    | 7825    | 4.53   | cps   |
| Strontium  | 86-1  | 1634    | 1750    | 1675    | 1686    | 3.51   | cps   |
| Strontium  | 88-1  | 6335    | 6518    | 6260    | 6371    | 2.09   | cps   |
| Sulfur     | 34-1  | 369163  | 364574  | 365118  | 366285  | 0.68   | cps   |
| Terbium    | 159-1 | 8270967 | 8537096 | 8728668 | 8512243 | 2.70   | cps   |
| Terbium    | 159-2 | 1954441 | 1948796 | 1940566 | 1947934 | 0.36   | cps   |
| Thallium   | 203-1 | 1809    | 1992    | 1634    | 1811    | 9.89   | cps   |
| Thallium   | 205-1 | 4318    | 4601    | 4134    | 4351    | 5.41   | cps   |
| Tin        | 118-1 | 2942    | 2750    | 2475    | 2723    | 8.62   | cps   |
| Titanium   | 47-1  | 492     | 317     | 433     | 414     | 21.53  | cps   |
| Uranium    | 238-1 | 5160    | 5577    | 5285    | 5340    | 4.01   | cps   |
| Vanadium   | 51-2  | 197     | 200     | 150     | 182     | 15.34  | cps   |
| Yttrium    | 89-1  | 7009591 | 7335287 | 7461446 | 7268774 | 3.21   | cps   |
| Yttrium    | 89-2  | 257966  | 255341  | 256326  | 256545  | 0.52   | cps   |
| Zinc       | 66-2  | 133     | 90      | 137     | 120     | 21.70  | cps   |
| Zirconium  | 90-1  | 4092    | 3917    | 4218    | 4076    | 3.70   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-14              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-14              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:26:23 | DataFile Name :   | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 842  | 850  | 908  | 867     | 4.19   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV55               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV55               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 13:29:32 | DataFile Name :   | 036CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 350992   | 351191   | 348151   | 350111   | 0.49   | cps   |
| Antimony   | 121-1 | 5060897  | 5047536  | 5130578  | 5079670  | 0.88   | cps   |
| Arsenic    | 75-2  | 59338    | 59419    | 59193    | 59317    | 0.19   | cps   |
| Barium     | 135-1 | 5198248  | 5250145  | 5276088  | 5241493  | 0.76   | cps   |
| Barium     | 137-1 | 9032208  | 9033719  | 9050818  | 9038915  | 0.11   | cps   |
| Beryllium  | 9-1   | 597253   | 595963   | 596022   | 596413   | 0.12   | cps   |
| Bismuth    | 209-1 | 5044672  | 5132320  | 5080945  | 5085979  | 0.87   | cps   |
| Bismuth    | 209-2 | 1449868  | 1449609  | 1440269  | 1446582  | 0.38   | cps   |
| Boron      | 11-1  | 333435   | 335969   | 344474   | 337959   | 1.71   | cps   |
| Boron      | 10-1  | 70264    | 72274    | 71370    | 71303    | 1.41   | cps   |
| Cadmium    | 106-1 | 109467   | 109771   | 108525   | 109254   | 0.59   | cps   |
| Cadmium    | 108-1 | 73486    | 74471    | 73901    | 73953    | 0.67   | cps   |
| Cadmium    | 111-1 | 1052921  | 1046433  | 1056440  | 1051931  | 0.48   | cps   |
| Calcium    | 43-1  | 5222100  | 5128089  | 5137801  | 5162664  | 1.00   | cps   |
| Calcium    | 44-1  | 83970548 | 82676779 | 83990321 | 83545882 | 0.90   | cps   |
| Chromium   | 52-2  | 482559   | 479736   | 475354   | 479216   | 0.76   | cps   |
| Cobalt     | 59-2  | 1006594  | 1010633  | 1002622  | 1006616  | 0.40   | cps   |
| Copper     | 63-2  | 1765134  | 1760869  | 1751246  | 1759083  | 0.40   | cps   |
| Dysprosium | 156-1 | 117      | 142      | 183      | 147      | 22.88  | cps   |
| Dysprosium | 156-2 | 23       | 17       | 17       | 19       | 20.36  | cps   |
| Erbium     | 164-1 | 25       | 58       | 50       | 44       | 39.04  | cps   |
| Erbium     | 164-2 | 7        | 7        | 13       | 9        | 43.25  | cps   |
| Gadolinium | 160-1 | 142      | 133      | 100      | 125      | 17.64  | cps   |
| Gadolinium | 160-2 | 23       | 17       | 30       | 23       | 28.56  | cps   |
| Holmium    | 165-1 | 8497048  | 8517002  | 8564228  | 8526093  | 0.40   | cps   |
| Holmium    | 165-2 | 2008458  | 2009569  | 1996220  | 2004749  | 0.37   | cps   |
| Indium     | 115-1 | 6818016  | 6808523  | 6883628  | 6836723  | 0.60   | cps   |
| Indium     | 115-2 | 328392   | 332200   | 328958   | 329850   | 0.62   | cps   |
| Iron       | 56-2  | 78566191 | 78903055 | 78083580 | 78517608 | 0.52   | cps   |
| Iron       | 57-2  | 2044116  | 2031298  | 2014829  | 2030081  | 0.72   | cps   |
| Lead       | 206-1 | 2935805  | 2919892  | 2932983  | 2929560  | 0.29   | cps   |
| Lead       | 207-1 | 2686311  | 2677144  | 2677108  | 2680188  | 0.20   | cps   |
| Lead       | 208-1 | 11906695 | 11971836 | 11954858 | 11944463 | 0.28   | cps   |
| Lithium    | 6-1   | 966505   | 959639   | 963538   | 963228   | 0.36   | cps   |
| Magnesium  | 24-2  | 8420653  | 8449753  | 8356795  | 8409067  | 0.57   | cps   |
| Manganese  | 55-2  | 273753   | 273848   | 273508   | 273703   | 0.06   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV55               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV55               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 13:29:32 | DataFile Name :   | 036CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 3467770  | 3446065  | 3471315  | 3461716  | 0.39   | cps   |
| Molybdenum | 94-1  | 4033379  | 4015074  | 4027017  | 4025156  | 0.23   | cps   |
| Molybdenum | 95-1  | 2156516  | 2178756  | 2174992  | 2170088  | 0.55   | cps   |
| Molybdenum | 96-1  | 2780555  | 2776621  | 2791964  | 2783047  | 0.29   | cps   |
| Molybdenum | 97-1  | 1311073  | 1324160  | 1318221  | 1317818  | 0.50   | cps   |
| Neodymium  | 150-1 | 160      | 220      | 233      | 204      | 19.11  | cps   |
| Neodymium  | 150-2 | 13       | 17       | 20       | 17       | 20.01  | cps   |
| Nickel     | 60-2  | 289456   | 291327   | 289212   | 289998   | 0.40   | cps   |
| Phosphorus | 31-2  | 4976     | 5210     | 5218     | 5135     | 2.67   | cps   |
| Potassium  | 39-2  | 2544627  | 2564621  | 2573369  | 2560872  | 0.58   | cps   |
| Rhodium    | 103-1 | 6201737  | 6216286  | 6167004  | 6195009  | 0.41   | cps   |
| Rhodium    | 103-2 | 1735303  | 1729277  | 1701737  | 1722106  | 1.04   | cps   |
| Scandium   | 45-1  | 3948297  | 3894816  | 3903389  | 3915501  | 0.73   | cps   |
| Scandium   | 45-2  | 34987    | 35264    | 35285    | 35179    | 0.47   | cps   |
| Selenium   | 77-2  | 377      | 440      | 493      | 437      | 13.38  | cps   |
| Selenium   | 78-2  | 1406     | 1504     | 1430     | 1446     | 3.54   | cps   |
| Selenium   | 82-1  | 65159    | 64334    | 64511    | 64668    | 0.67   | cps   |
| Silicon    | 28-1  | 2263970  | 2252050  | 2290028  | 2268683  | 0.86   | cps   |
| Silver     | 109-1 | 4910412  | 4969855  | 4932840  | 4937702  | 0.61   | cps   |
| Silver     | 107-1 | 5168872  | 5176243  | 5149161  | 5164759  | 0.27   | cps   |
| Sodium     | 23-2  | 20309810 | 20381297 | 20111813 | 20267640 | 0.69   | cps   |
| Strontium  | 86-1  | 1442583  | 1405035  | 1402561  | 1416726  | 1.58   | cps   |
| Strontium  | 88-1  | 12272064 | 12120954 | 12159544 | 12184187 | 0.64   | cps   |
| Sulfur     | 34-1  | 684032   | 672816   | 677743   | 678197   | 0.83   | cps   |
| Terbium    | 159-1 | 8988561  | 8864818  | 8892321  | 8915233  | 0.73   | cps   |
| Terbium    | 159-2 | 1938738  | 1936953  | 1931165  | 1935619  | 0.20   | cps   |
| Thallium   | 203-1 | 3628296  | 3656767  | 3705377  | 3663480  | 1.06   | cps   |
| Thallium   | 205-1 | 8470959  | 8527009  | 8544354  | 8514107  | 0.45   | cps   |
| Tin        | 118-1 | 3517895  | 3549231  | 3568903  | 3545343  | 0.73   | cps   |
| Titanium   | 47-1  | 543728   | 536732   | 538620   | 539693   | 0.67   | cps   |
| Uranium    | 238-1 | 11370716 | 11464905 | 11451135 | 11428919 | 0.45   | cps   |
| Vanadium   | 51-2  | 365529   | 360905   | 358968   | 361801   | 0.93   | cps   |
| Yttrium    | 89-1  | 7334798  | 7332360  | 7366474  | 7344544  | 0.26   | cps   |
| Yttrium    | 89-2  | 247046   | 248030   | 247080   | 247385   | 0.23   | cps   |
| Zinc       | 66-2  | 154637   | 155841   | 155065   | 155181   | 0.39   | cps   |
| Zirconium  | 90-1  | 7527761  | 7529580  | 7548202  | 7535181  | 0.15   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV55               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV55               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 13:29:32 | DataFile Name :   | 036CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1716275 | 1729750 | 1715464 | 1720496 | 0.47   | cps   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : CCB55 Instrumnet Name : P8  
 Client Sample ID : CCB55 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 13:32:31 DataFile Name : 037CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 0       | 8       | 25      | 11      | 114.58 | cps   |
| Antimony   | 121-1 | 2950    | 2792    | 2200    | 2648    | 14.93  | cps   |
| Arsenic    | 75-2  | 4       | 9       | 6       | 6       | 45.85  | cps   |
| Barium     | 135-1 | 300     | 125     | 50      | 158     | 81.03  | cps   |
| Barium     | 137-1 | 508     | 267     | 58      | 278     | 81.07  | cps   |
| Beryllium  | 9-1   | 239     | 228     | 183     | 217     | 13.57  | cps   |
| Bismuth    | 209-1 | 5332521 | 5275138 | 5325185 | 5310948 | 0.59   | cps   |
| Bismuth    | 209-2 | 1324294 | 1464920 | 1485650 | 1424955 | 6.16   | cps   |
| Boron      | 11-1  | 7844    | 7469    | 7019    | 7444    | 5.55   | cps   |
| Boron      | 10-1  | 1867    | 1667    | 1208    | 1581    | 21.35  | cps   |
| Cadmium    | 106-1 | 1433    | 1509    | 1333    | 1425    | 6.16   | cps   |
| Cadmium    | 108-1 | 29      | 25      | 17      | 24      | 26.95  | cps   |
| Cadmium    | 111-1 | 1121    | 1080    | 955     | 1052    | 8.20   | cps   |
| Calcium    | 43-1  | 1934    | 1659    | 1767    | 1786    | 7.76   | cps   |
| Calcium    | 44-1  | 38896   | 35413   | 34251   | 36187   | 6.68   | cps   |
| Chromium   | 52-2  | 713     | 800     | 767     | 760     | 5.75   | cps   |
| Cobalt     | 59-2  | 63      | 33      | 57      | 51      | 30.82  | cps   |
| Copper     | 63-2  | 267     | 253     | 233     | 251     | 6.68   | cps   |
| Dysprosium | 156-1 | 17      | 42      | 8       | 22      | 78.07  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 7       | 4       | 43.40  | cps   |
| Erbium     | 164-1 | 58      | 42      | 33      | 44      | 28.65  | cps   |
| Erbium     | 164-2 | 3       | 3       | 3       | 3       | 0.00   | cps   |
| Gadolinium | 160-1 | 83      | 50      | 83      | 72      | 26.65  | cps   |
| Gadolinium | 160-2 | 7       | 3       | 7       | 6       | 34.70  | cps   |
| Holmium    | 165-1 | 8450741 | 8492508 | 8453852 | 8465700 | 0.27   | cps   |
| Holmium    | 165-2 | 1735731 | 1953005 | 1965497 | 1884744 | 6.86   | cps   |
| Indium     | 115-1 | 7195080 | 7133402 | 7041901 | 7123461 | 1.08   | cps   |
| Indium     | 115-2 | 302547  | 339535  | 342123  | 328068  | 6.75   | cps   |
| Iron       | 56-2  | 2500    | 2600    | 2795    | 2632    | 5.69   | cps   |
| Iron       | 57-2  | 72      | 106     | 83      | 87      | 19.50  | cps   |
| Lead       | 206-1 | 872     | 767     | 817     | 819     | 6.45   | cps   |
| Lead       | 207-1 | 972     | 683     | 761     | 806     | 18.56  | cps   |
| Lead       | 208-1 | 3912    | 3439    | 3278    | 3543    | 9.29   | cps   |
| Lithium    | 6-1   | 1005267 | 972507  | 998192  | 991988  | 1.74   | cps   |
| Magnesium  | 24-2  | 117     | 225     | 233     | 192     | 33.96  | cps   |
| Manganese  | 55-2  | 73      | 47      | 70      | 63      | 22.94  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB55               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB55               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:32:31 | DataFile Name :   | 037CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD  | Units |
|------------|-------|---------|---------|---------|---------|---------|-------|
| Molybdenum | 98-1  | 750     | 525     | 350     | 542     | 37.02   | cps   |
| Molybdenum | 94-1  | 833     | 542     | 642     | 672     | 22.05   | cps   |
| Molybdenum | 95-1  | 417     | 408     | 242     | 356     | 27.76   | cps   |
| Molybdenum | 96-1  | 583     | 575     | 358     | 506     | 25.23   | cps   |
| Molybdenum | 97-1  | 333     | 275     | 158     | 256     | 34.87   | cps   |
| Neodymium  | 150-1 | 7       | 7       | 7       | 7       | 0.00    | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00    | cps   |
| Nickel     | 60-2  | 300     | 270     | 173     | 248     | 26.71   | cps   |
| Phosphorus | 31-2  | 0       | 0       | 17      | 6       | 173.21  | cps   |
| Potassium  | 39-2  | 3351    | 3209    | 3409    | 3323    | 3.10    | cps   |
| Rhodium    | 103-1 | 6523136 | 6557277 | 6452714 | 6511043 | 0.82    | cps   |
| Rhodium    | 103-2 | 1599389 | 1777370 | 1819701 | 1732153 | 6.75    | cps   |
| Scandium   | 45-1  | 3919454 | 3838792 | 3867472 | 3875239 | 1.06    | cps   |
| Scandium   | 45-2  | 30577   | 34185   | 34863   | 33208   | 6.94    | cps   |
| Selenium   | 77-2  | 3       | 0       | 0       | 1       | 173.21  | cps   |
| Selenium   | 78-2  | 2       | 2       | 6       | 3       | 69.39   | cps   |
| Selenium   | 82-1  | -17     | 32      | -58     | -14     | -317.47 | cps   |
| Silicon    | 28-1  | 405868  | 406215  | 403067  | 405050  | 0.43    | cps   |
| Silver     | 109-1 | 550     | 317     | 200     | 356     | 50.12   | cps   |
| Silver     | 107-1 | 567     | 467     | 200     | 411     | 46.10   | cps   |
| Sodium     | 23-2  | 9829    | 9720    | 9604    | 9718    | 1.16    | cps   |
| Strontium  | 86-1  | 1025    | 908     | 725     | 886     | 17.07   | cps   |
| Strontium  | 88-1  | 942     | 475     | 267     | 561     | 61.60   | cps   |
| Sulfur     | 34-1  | 347401  | 352173  | 352354  | 350643  | 0.80    | cps   |
| Terbium    | 159-1 | 8770525 | 8731305 | 8687096 | 8729642 | 0.48    | cps   |
| Terbium    | 159-2 | 1682603 | 1891796 | 1906453 | 1826951 | 6.85    | cps   |
| Thallium   | 203-1 | 1283    | 1042    | 900     | 1075    | 18.03   | cps   |
| Thallium   | 205-1 | 3034    | 2750    | 2184    | 2656    | 16.30   | cps   |
| Tin        | 118-1 | 2750    | 2450    | 2375    | 2525    | 7.86    | cps   |
| Titanium   | 47-1  | 258     | 233     | 233     | 242     | 5.97    | cps   |
| Uranium    | 238-1 | 850     | 425     | 208     | 494     | 66.02   | cps   |
| Vanadium   | 51-2  | 7       | 17      | 10      | 11      | 45.82   | cps   |
| Yttrium    | 89-1  | 7264835 | 7326289 | 7163117 | 7251414 | 1.14    | cps   |
| Yttrium    | 89-2  | 217736  | 245590  | 247133  | 236820  | 6.99    | cps   |
| Zinc       | 66-2  | 47      | 30      | 30      | 36      | 27.07   | cps   |
| Zirconium  | 90-1  | 1725    | 1367    | 1217    | 1436    | 18.19   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB55               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB55               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:32:31 | DataFile Name :   | 037CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 450  | 242  | 267  | 319     | 35.61  | cps   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : IDL-15 Instrumnet Name : P8  
 Client Sample ID : IDL-15 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 13:44:06 DataFile Name : 038SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 125     | 142     | 150     | 139     | 9.16   | cps   |
| Antimony   | 121-1 | 2742    | 2675    | 2584    | 2667    | 2.98   | cps   |
| Arsenic    | 75-2  | 31      | 37      | 30      | 33      | 11.79  | cps   |
| Barium     | 135-1 | 2742    | 2767    | 2434    | 2648    | 7.01   | cps   |
| Barium     | 137-1 | 4818    | 4634    | 4576    | 4676    | 2.70   | cps   |
| Beryllium  | 9-1   | 478     | 578     | 711     | 589     | 19.88  | cps   |
| Bismuth    | 209-1 | 5162550 | 5234353 | 5245950 | 5214284 | 0.87   | cps   |
| Bismuth    | 209-2 | 1509240 | 1499497 | 1508478 | 1505738 | 0.36   | cps   |
| Boron      | 11-1  | 2434    | 2492    | 2450    | 2459    | 1.22   | cps   |
| Boron      | 10-1  | 583     | 492     | 508     | 528     | 9.25   | cps   |
| Cadmium    | 106-1 | 1667    | 1267    | 1342    | 1425    | 14.92  | cps   |
| Cadmium    | 108-1 | 71      | 58      | 79      | 69      | 15.10  | cps   |
| Cadmium    | 111-1 | 1801    | 1467    | 1509    | 1592    | 11.42  | cps   |
| Calcium    | 43-1  | 2042    | 2409    | 2434    | 2295    | 9.56   | cps   |
| Calcium    | 44-1  | 41587   | 42031   | 42515   | 42044   | 1.10   | cps   |
| Chromium   | 52-2  | 1013    | 957     | 1003    | 991     | 3.05   | cps   |
| Cobalt     | 59-2  | 653     | 583     | 707     | 648     | 9.55   | cps   |
| Copper     | 63-2  | 1220    | 1127    | 1157    | 1168    | 4.08   | cps   |
| Dysprosium | 156-1 | 42      | 17      | 17      | 25      | 57.73  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 25      | 50      | 25      | 33      | 43.30  | cps   |
| Erbium     | 164-2 | 3       | 7       | 10      | 7       | 50.03  | cps   |
| Gadolinium | 160-1 | 92      | 33      | 83      | 69      | 45.44  | cps   |
| Gadolinium | 160-2 | 3       | 0       | 13      | 6       | 124.93 | cps   |
| Holmium    | 165-1 | 8426612 | 8383417 | 8397103 | 8402377 | 0.26   | cps   |
| Holmium    | 165-2 | 2013400 | 1958087 | 1986202 | 1985896 | 1.39   | cps   |
| Indium     | 115-1 | 7101717 | 7103427 | 7078690 | 7094611 | 0.19   | cps   |
| Indium     | 115-2 | 348657  | 349942  | 350058  | 349552  | 0.22   | cps   |
| Iron       | 56-2  | 9442    | 10387   | 10015   | 9948    | 4.79   | cps   |
| Iron       | 57-2  | 328     | 300     | 278     | 302     | 8.30   | cps   |
| Lead       | 206-1 | 2573    | 2284    | 2389    | 2415    | 6.05   | cps   |
| Lead       | 207-1 | 2256    | 2156    | 2095    | 2169    | 3.75   | cps   |
| Lead       | 208-1 | 9896    | 9768    | 9096    | 9587    | 4.48   | cps   |
| Lithium    | 6-1   | 1000125 | 999790  | 1016142 | 1005352 | 0.93   | cps   |
| Magnesium  | 24-2  | 1067    | 1000    | 1083    | 1050    | 4.20   | cps   |
| Manganese  | 55-2  | 240     | 203     | 187     | 210     | 12.99  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-15              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-15              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:44:06 | DataFile Name :   | 038SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 2200    | 1675    | 1934    | 1936    | 13.56  | cps   |
| Molybdenum | 94-1  | 2392    | 2050    | 2325    | 2256    | 8.03   | cps   |
| Molybdenum | 95-1  | 1117    | 1517    | 1100    | 1245    | 18.96  | cps   |
| Molybdenum | 96-1  | 1609    | 1475    | 1809    | 1631    | 10.29  | cps   |
| Molybdenum | 97-1  | 900     | 742     | 683     | 775     | 14.47  | cps   |
| Neodymium  | 150-1 | 13      | 7       | 20      | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 387     | 373     | 350     | 370     | 5.02   | cps   |
| Phosphorus | 31-2  | 8       | 8       | 17      | 11      | 43.34  | cps   |
| Potassium  | 39-2  | 3601    | 3767    | 3617    | 3662    | 2.51   | cps   |
| Rhodium    | 103-1 | 6562892 | 6534229 | 6568101 | 6555074 | 0.28   | cps   |
| Rhodium    | 103-2 | 1854776 | 1832793 | 1828518 | 1838696 | 0.77   | cps   |
| Scandium   | 45-1  | 3968106 | 3955157 | 3982844 | 3968702 | 0.35   | cps   |
| Scandium   | 45-2  | 35415   | 35659   | 36190   | 35754   | 1.11   | cps   |
| Selenium   | 77-2  | 3       | 0       | 7       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 9       | 6       | 9       | 8       | 26.61  | cps   |
| Selenium   | 82-1  | 219     | 150     | 206     | 192     | 19.29  | cps   |
| Silicon    | 28-1  | 405176  | 402828  | 400156  | 402720  | 0.62   | cps   |
| Silver     | 109-1 | 2609    | 2359    | 2484    | 2484    | 5.03   | cps   |
| Silver     | 107-1 | 2725    | 2425    | 2600    | 2584    | 5.83   | cps   |
| Sodium     | 23-2  | 8853    | 8520    | 8861    | 8745    | 2.23   | cps   |
| Strontium  | 86-1  | 1592    | 1508    | 1492    | 1531    | 3.50   | cps   |
| Strontium  | 88-1  | 6127    | 5927    | 6235    | 6096    | 2.57   | cps   |
| Sulfur     | 34-1  | 362364  | 359667  | 355584  | 359205  | 0.95   | cps   |
| Terbium    | 159-1 | 8706536 | 8734882 | 8818519 | 8753312 | 0.67   | cps   |
| Terbium    | 159-2 | 1955478 | 1950197 | 1914118 | 1939931 | 1.16   | cps   |
| Thallium   | 203-1 | 2300    | 2209    | 2000    | 2170    | 7.09   | cps   |
| Thallium   | 205-1 | 5110    | 4901    | 4901    | 4971    | 2.42   | cps   |
| Tin        | 118-1 | 2709    | 2675    | 2834    | 2739    | 3.05   | cps   |
| Titanium   | 47-1  | 425     | 533     | 542     | 500     | 13.02  | cps   |
| Uranium    | 238-1 | 7519    | 7152    | 7102    | 7258    | 3.14   | cps   |
| Vanadium   | 51-2  | 243     | 183     | 180     | 202     | 17.63  | cps   |
| Yttrium    | 89-1  | 7350474 | 7365045 | 7349358 | 7354959 | 0.12   | cps   |
| Yttrium    | 89-2  | 250761  | 250849  | 252182  | 251264  | 0.32   | cps   |
| Zinc       | 66-2  | 170     | 167     | 177     | 171     | 2.98   | cps   |
| Zirconium  | 90-1  | 4068    | 4126    | 4743    | 4312    | 8.68   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-15              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-15              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:44:06 | DataFile Name :   | 038SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 975  | 1108 | 875  | 986     | 11.87  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-16              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-16              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:47:14 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 58      | 92      | 125     | 92      | 36.36  | cps   |
| Antimony   | 121-1 | 2784    | 2792    | 2959    | 2845    | 3.47   | cps   |
| Arsenic    | 75-2  | 28      | 31      | 44      | 35      | 25.31  | cps   |
| Barium     | 135-1 | 2542    | 2542    | 2709    | 2598    | 3.71   | cps   |
| Barium     | 137-1 | 4651    | 4793    | 4559    | 4668    | 2.52   | cps   |
| Beryllium  | 9-1   | 394     | 328     | 472     | 398     | 18.16  | cps   |
| Bismuth    | 209-1 | 4959405 | 5217097 | 5114716 | 5097073 | 2.55   | cps   |
| Bismuth    | 209-2 | 1514025 | 1504417 | 1494995 | 1504479 | 0.63   | cps   |
| Boron      | 11-1  | 2217    | 2175    | 1967    | 2120    | 6.32   | cps   |
| Boron      | 10-1  | 408     | 475     | 450     | 444     | 7.58   | cps   |
| Cadmium    | 106-1 | 1625    | 1592    | 1525    | 1581    | 3.22   | cps   |
| Cadmium    | 108-1 | 33      | 67      | 25      | 42      | 52.92  | cps   |
| Cadmium    | 111-1 | 1714    | 1709    | 1642    | 1688    | 2.40   | cps   |
| Calcium    | 43-1  | 2300    | 2184    | 2350    | 2278    | 3.76   | cps   |
| Calcium    | 44-1  | 41111   | 40927   | 43008   | 41682   | 2.76   | cps   |
| Chromium   | 52-2  | 957     | 1010    | 1067    | 1011    | 5.44   | cps   |
| Cobalt     | 59-2  | 647     | 587     | 580     | 604     | 6.07   | cps   |
| Copper     | 63-2  | 1180    | 1183    | 1020    | 1128    | 8.28   | cps   |
| Dysprosium | 156-1 | 25      | 17      | 8       | 17      | 50.01  | cps   |
| Dysprosium | 156-2 | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 8       | 25      | 42      | 25      | 66.68  | cps   |
| Erbium     | 164-2 | 3       | 7       | 0       | 3       | 100.05 | cps   |
| Gadolinium | 160-1 | 67      | 67      | 42      | 58      | 24.74  | cps   |
| Gadolinium | 160-2 | 10      | 7       | 0       | 6       | 91.64  | cps   |
| Holmium    | 165-1 | 8013345 | 8420013 | 8314842 | 8249400 | 2.56   | cps   |
| Holmium    | 165-2 | 2005381 | 1956311 | 1970777 | 1977490 | 1.28   | cps   |
| Indium     | 115-1 | 6717817 | 7097646 | 7094089 | 6969851 | 3.13   | cps   |
| Indium     | 115-2 | 352486  | 346082  | 346170  | 348246  | 1.05   | cps   |
| Iron       | 56-2  | 10438   | 10738   | 10727   | 10634   | 1.60   | cps   |
| Iron       | 57-2  | 250     | 261     | 228     | 246     | 6.89   | cps   |
| Lead       | 206-1 | 1884    | 2089    | 1867    | 1947    | 6.36   | cps   |
| Lead       | 207-1 | 1784    | 1806    | 1917    | 1835    | 3.89   | cps   |
| Lead       | 208-1 | 8085    | 8290    | 7890    | 8088    | 2.47   | cps   |
| Lithium    | 6-1   | 951057  | 1012232 | 1001842 | 988377  | 3.31   | cps   |
| Magnesium  | 24-2  | 1158    | 1083    | 1125    | 1122    | 3.35   | cps   |
| Manganese  | 55-2  | 177     | 233     | 203     | 204     | 13.87  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-16              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-16              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:47:14 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1784    | 1884    | 1909    | 1859    | 3.56   | cps   |
| Molybdenum | 94-1  | 2209    | 2200    | 2375    | 2261    | 4.37   | cps   |
| Molybdenum | 95-1  | 1075    | 1225    | 1150    | 1150    | 6.52   | cps   |
| Molybdenum | 96-1  | 1425    | 1500    | 1417    | 1447    | 3.17   | cps   |
| Molybdenum | 97-1  | 725     | 717     | 808     | 750     | 6.76   | cps   |
| Neodymium  | 150-1 | 7       | 20      | 0       | 9       | 114.55 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 323     | 333     | 380     | 346     | 8.75   | cps   |
| Phosphorus | 31-2  | 8       | 17      | 8       | 11      | 43.34  | cps   |
| Potassium  | 39-2  | 3842    | 3809    | 3251    | 3634    | 9.15   | cps   |
| Rhodium    | 103-1 | 6228480 | 6598466 | 6536927 | 6454624 | 3.07   | cps   |
| Rhodium    | 103-2 | 1858456 | 1839762 | 1820968 | 1839729 | 1.02   | cps   |
| Scandium   | 45-1  | 3730665 | 4012012 | 3939049 | 3893909 | 3.75   | cps   |
| Scandium   | 45-2  | 35983   | 35725   | 35772   | 35827   | 0.38   | cps   |
| Selenium   | 77-2  | 7       | 3       | 0       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 4       | 6       | 6       | 5       | 21.74  | cps   |
| Selenium   | 82-1  | 139     | 294     | 204     | 212     | 36.66  | cps   |
| Silicon    | 28-1  | 411160  | 410612  | 400847  | 407540  | 1.42   | cps   |
| Silver     | 109-1 | 2642    | 2867    | 2700    | 2737    | 4.27   | cps   |
| Silver     | 107-1 | 2725    | 2500    | 2567    | 2598    | 4.45   | cps   |
| Sodium     | 23-2  | 9070    | 8970    | 8236    | 8759    | 5.20   | cps   |
| Strontium  | 86-1  | 1684    | 1600    | 1634    | 1639    | 2.56   | cps   |
| Strontium  | 88-1  | 6368    | 6318    | 6060    | 6249    | 2.65   | cps   |
| Sulfur     | 34-1  | 359578  | 360695  | 361775  | 360683  | 0.30   | cps   |
| Terbium    | 159-1 | 8248824 | 8646179 | 8651147 | 8515383 | 2.71   | cps   |
| Terbium    | 159-2 | 1935061 | 1955891 | 1937206 | 1942720 | 0.59   | cps   |
| Thallium   | 203-1 | 2000    | 1942    | 1950    | 1964    | 1.61   | cps   |
| Thallium   | 205-1 | 4726    | 5076    | 4418    | 4740    | 6.95   | cps   |
| Tin        | 118-1 | 3017    | 2792    | 2709    | 2839    | 5.62   | cps   |
| Titanium   | 47-1  | 500     | 675     | 425     | 533     | 24.06  | cps   |
| Uranium    | 238-1 | 5793    | 5318    | 5927    | 5679    | 5.63   | cps   |
| Vanadium   | 51-2  | 183     | 183     | 217     | 194     | 9.90   | cps   |
| Yttrium    | 89-1  | 7030643 | 7365123 | 7391101 | 7262289 | 2.77   | cps   |
| Yttrium    | 89-2  | 253215  | 253566  | 249594  | 252125  | 0.87   | cps   |
| Zinc       | 66-2  | 130     | 150     | 107     | 129     | 16.83  | cps   |
| Zirconium  | 90-1  | 4184    | 4251    | 4384    | 4273    | 2.38   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-16              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-16              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:47:14 | DataFile Name :   | 039SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 925  | 933  | 908  | 922     | 1.38   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-17              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-17              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:50:23 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 117     | 75      | 150     | 114     | 33.00  | cps   |
| Antimony   | 121-1 | 2859    | 2659    | 2642    | 2720    | 4.43   | cps   |
| Arsenic    | 75-2  | 43      | 46      | 37      | 42      | 11.10  | cps   |
| Barium     | 135-1 | 2750    | 2634    | 2317    | 2567    | 8.74   | cps   |
| Barium     | 137-1 | 4676    | 4868    | 4634    | 4726    | 2.63   | cps   |
| Beryllium  | 9-1   | 361     | 372     | 389     | 374     | 3.74   | cps   |
| Bismuth    | 209-1 | 5106411 | 5098632 | 5070030 | 5091691 | 0.38   | cps   |
| Bismuth    | 209-2 | 1524745 | 1513661 | 1420865 | 1486424 | 3.84   | cps   |
| Boron      | 11-1  | 1850    | 1817    | 2125    | 1931    | 8.77   | cps   |
| Boron      | 10-1  | 567     | 350     | 475     | 464     | 23.45  | cps   |
| Cadmium    | 106-1 | 1200    | 1333    | 1225    | 1253    | 5.66   | cps   |
| Cadmium    | 108-1 | 38      | 21      | 71      | 43      | 59.14  | cps   |
| Cadmium    | 111-1 | 1322    | 1431    | 1400    | 1384    | 4.06   | cps   |
| Calcium    | 43-1  | 2409    | 2475    | 2375    | 2420    | 2.10   | cps   |
| Calcium    | 44-1  | 43669   | 43795   | 44530   | 43998   | 1.06   | cps   |
| Chromium   | 52-2  | 887     | 923     | 917     | 909     | 2.15   | cps   |
| Cobalt     | 59-2  | 523     | 580     | 660     | 588     | 11.68  | cps   |
| Copper     | 63-2  | 1077    | 1217    | 1270    | 1188    | 8.41   | cps   |
| Dysprosium | 156-1 | 17      | 8       | 8       | 11      | 43.34  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 33      | 33      | 42      | 36      | 13.33  | cps   |
| Erbium     | 164-2 | 0       | 7       | 20      | 9       | 114.55 | cps   |
| Gadolinium | 160-1 | 33      | 33      | 83      | 50      | 57.75  | cps   |
| Gadolinium | 160-2 | 3       | 10      | 10      | 8       | 49.52  | cps   |
| Holmium    | 165-1 | 8259963 | 8190370 | 8165710 | 8205348 | 0.60   | cps   |
| Holmium    | 165-2 | 2006179 | 1997418 | 1863089 | 1955562 | 4.10   | cps   |
| Indium     | 115-1 | 7075173 | 6934989 | 6992372 | 7000844 | 1.01   | cps   |
| Indium     | 115-2 | 355894  | 355870  | 334870  | 348878  | 3.48   | cps   |
| Iron       | 56-2  | 11127   | 10565   | 10304   | 10665   | 3.94   | cps   |
| Iron       | 57-2  | 300     | 250     | 306     | 285     | 10.73  | cps   |
| Lead       | 206-1 | 1850    | 2034    | 1939    | 1941    | 4.72   | cps   |
| Lead       | 207-1 | 1667    | 1772    | 1945    | 1795    | 7.81   | cps   |
| Lead       | 208-1 | 7785    | 8062    | 8012    | 7953    | 1.86   | cps   |
| Lithium    | 6-1   | 996700  | 961680  | 991985  | 983455  | 1.93   | cps   |
| Magnesium  | 24-2  | 1058    | 1117    | 1075    | 1083    | 2.77   | cps   |
| Manganese  | 55-2  | 170     | 203     | 210     | 194     | 11.02  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-17              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-17              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:50:23 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1725    | 1667    | 1967    | 1786    | 8.91   | cps   |
| Molybdenum | 94-1  | 2250    | 2267    | 2309    | 2275    | 1.32   | cps   |
| Molybdenum | 95-1  | 1275    | 1092    | 1067    | 1145    | 9.94   | cps   |
| Molybdenum | 96-1  | 1525    | 1542    | 1559    | 1542    | 1.08   | cps   |
| Molybdenum | 97-1  | 675     | 758     | 783     | 739     | 7.68   | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 387     | 333     | 340     | 353     | 8.22   | cps   |
| Phosphorus | 31-2  | 8       | 17      | 17      | 14      | 34.67  | cps   |
| Potassium  | 39-2  | 3601    | 3767    | 3767    | 3712    | 2.59   | cps   |
| Rhodium    | 103-1 | 6502588 | 6492574 | 6495698 | 6496954 | 0.08   | cps   |
| Rhodium    | 103-2 | 1870540 | 1860641 | 1749483 | 1826888 | 3.68   | cps   |
| Scandium   | 45-1  | 3908244 | 3857855 | 3896461 | 3887520 | 0.68   | cps   |
| Scandium   | 45-2  | 36467   | 35722   | 34312   | 35501   | 3.08   | cps   |
| Selenium   | 77-2  | 0       | 17      | 3       | 7       | 132.33 | cps   |
| Selenium   | 78-2  | 4       | 6       | 7       | 6       | 33.38  | cps   |
| Selenium   | 82-1  | 281     | 267     | 307     | 285     | 7.19   | cps   |
| Silicon    | 28-1  | 411965  | 396869  | 398828  | 402554  | 2.04   | cps   |
| Silver     | 109-1 | 2734    | 2717    | 2909    | 2787    | 3.81   | cps   |
| Silver     | 107-1 | 2684    | 2642    | 2709    | 2678    | 1.26   | cps   |
| Sodium     | 23-2  | 8261    | 8153    | 8361    | 8258    | 1.26   | cps   |
| Strontium  | 86-1  | 1684    | 1400    | 1375    | 1486    | 11.52  | cps   |
| Strontium  | 88-1  | 6227    | 6552    | 6427    | 6402    | 2.56   | cps   |
| Sulfur     | 34-1  | 363521  | 359108  | 357985  | 360205  | 0.81   | cps   |
| Terbium    | 159-1 | 8628413 | 8506551 | 8549830 | 8561598 | 0.72   | cps   |
| Terbium    | 159-2 | 1951121 | 1943480 | 1832143 | 1908915 | 3.49   | cps   |
| Thallium   | 203-1 | 1917    | 1950    | 1917    | 1928    | 1.00   | cps   |
| Thallium   | 205-1 | 4559    | 4418    | 4368    | 4448    | 2.24   | cps   |
| Tin        | 118-1 | 2550    | 2759    | 2417    | 2575    | 6.69   | cps   |
| Titanium   | 47-1  | 508     | 625     | 433     | 522     | 18.50  | cps   |
| Uranium    | 238-1 | 5618    | 5835    | 5535    | 5663    | 2.74   | cps   |
| Vanadium   | 51-2  | 227     | 210     | 210     | 216     | 4.46   | cps   |
| Yttrium    | 89-1  | 7342279 | 7287836 | 7270357 | 7300157 | 0.51   | cps   |
| Yttrium    | 89-2  | 254373  | 258725  | 238524  | 250540  | 4.24   | cps   |
| Zinc       | 66-2  | 127     | 137     | 183     | 149     | 20.32  | cps   |
| Zirconium  | 90-1  | 4568    | 4209    | 4584    | 4454    | 4.76   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-17              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-17              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:50:23 | DataFile Name :   | 040SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 958  | 992  | 842  | 931     | 8.46   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-18              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-18              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:53:31 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 117     | 108     | 183     | 136     | 30.20  | cps   |
| Antimony   | 121-1 | 2567    | 2425    | 2650    | 2548    | 4.47   | cps   |
| Arsenic    | 75-2  | 35      | 33      | 28      | 32      | 12.01  | cps   |
| Barium     | 135-1 | 2050    | 2559    | 2392    | 2334    | 11.11  | cps   |
| Barium     | 137-1 | 4451    | 4451    | 4434    | 4445    | 0.22   | cps   |
| Beryllium  | 9-1   | 361     | 378     | 406     | 381     | 5.88   | cps   |
| Bismuth    | 209-1 | 5061354 | 5142193 | 5098931 | 5100826 | 0.79   | cps   |
| Bismuth    | 209-2 | 1514076 | 1492102 | 1490548 | 1498909 | 0.88   | cps   |
| Boron      | 11-1  | 1742    | 1867    | 1567    | 1725    | 8.74   | cps   |
| Boron      | 10-1  | 375     | 383     | 367     | 375     | 2.22   | cps   |
| Cadmium    | 106-1 | 1450    | 1233    | 1492    | 1392    | 9.97   | cps   |
| Cadmium    | 108-1 | 67      | 46      | 67      | 60      | 20.15  | cps   |
| Cadmium    | 111-1 | 1448    | 1348    | 1510    | 1435    | 5.70   | cps   |
| Calcium    | 43-1  | 1992    | 2309    | 2184    | 2161    | 7.38   | cps   |
| Calcium    | 44-1  | 41412   | 40744   | 41437   | 41198   | 0.95   | cps   |
| Chromium   | 52-2  | 960     | 923     | 920     | 934     | 2.38   | cps   |
| Cobalt     | 59-2  | 677     | 540     | 510     | 576     | 15.44  | cps   |
| Copper     | 63-2  | 1017    | 1180    | 1030    | 1076    | 8.43   | cps   |
| Dysprosium | 156-1 | 17      | 33      | 8       | 19      | 65.47  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 17      | 42      | 42      | 33      | 43.30  | cps   |
| Erbium     | 164-2 | 3       | 0       | 13      | 6       | 124.93 | cps   |
| Gadolinium | 160-1 | 83      | 25      | 67      | 58      | 51.51  | cps   |
| Gadolinium | 160-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Holmium    | 165-1 | 8294368 | 8303912 | 8337896 | 8312059 | 0.28   | cps   |
| Holmium    | 165-2 | 1997893 | 1966767 | 1971765 | 1978808 | 0.84   | cps   |
| Indium     | 115-1 | 6930285 | 7126586 | 7134737 | 7063870 | 1.64   | cps   |
| Indium     | 115-2 | 356691  | 348742  | 347261  | 350898  | 1.45   | cps   |
| Iron       | 56-2  | 9453    | 10037   | 10043   | 9844    | 3.44   | cps   |
| Iron       | 57-2  | 233     | 283     | 272     | 263     | 9.98   | cps   |
| Lead       | 206-1 | 1934    | 1856    | 1856    | 1882    | 2.39   | cps   |
| Lead       | 207-1 | 1639    | 1650    | 1695    | 1661    | 1.77   | cps   |
| Lead       | 208-1 | 7507    | 7562    | 7646    | 7572    | 0.92   | cps   |
| Lithium    | 6-1   | 1004361 | 1004839 | 999209  | 1002803 | 0.31   | cps   |
| Magnesium  | 24-2  | 1075    | 883     | 1092    | 1017    | 11.39  | cps   |
| Manganese  | 55-2  | 193     | 190     | 190     | 191     | 1.01   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-18              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-18              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:53:31 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1684    | 1800    | 1609    | 1697    | 5.69   | cps   |
| Molybdenum | 94-1  | 1934    | 2150    | 1800    | 1961    | 9.01   | cps   |
| Molybdenum | 95-1  | 817     | 1075    | 942     | 945     | 13.68  | cps   |
| Molybdenum | 96-1  | 1217    | 1433    | 1292    | 1314    | 8.37   | cps   |
| Molybdenum | 97-1  | 758     | 825     | 633     | 739     | 13.17  | cps   |
| Neodymium  | 150-1 | 7       | 20      | 13      | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 387     | 330     | 343     | 353     | 8.39   | cps   |
| Phosphorus | 31-2  | 25      | 8       | 0       | 11      | 114.58 | cps   |
| Potassium  | 39-2  | 3609    | 3601    | 3534    | 3581    | 1.15   | cps   |
| Rhodium    | 103-1 | 6520790 | 6558128 | 6528034 | 6535651 | 0.30   | cps   |
| Rhodium    | 103-2 | 1868363 | 1832333 | 1842565 | 1847754 | 1.00   | cps   |
| Scandium   | 45-1  | 3919754 | 3927633 | 3992101 | 3946496 | 1.01   | cps   |
| Scandium   | 45-2  | 35746   | 35522   | 34746   | 35338   | 1.48   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 7       | 7       | 13      | 9       | 34.60  | cps   |
| Selenium   | 82-1  | 236     | 113     | 143     | 164     | 39.09  | cps   |
| Silicon    | 28-1  | 397540  | 409876  | 408075  | 405164  | 1.64   | cps   |
| Silver     | 109-1 | 2367    | 2317    | 2459    | 2381    | 3.02   | cps   |
| Silver     | 107-1 | 2334    | 2475    | 2542    | 2450    | 4.34   | cps   |
| Sodium     | 23-2  | 8244    | 8203    | 7961    | 8136    | 1.88   | cps   |
| Strontium  | 86-1  | 1525    | 1684    | 1584    | 1597    | 5.01   | cps   |
| Strontium  | 88-1  | 5927    | 5743    | 5768    | 5813    | 1.71   | cps   |
| Sulfur     | 34-1  | 362889  | 361578  | 360572  | 361680  | 0.32   | cps   |
| Terbium    | 159-1 | 8519624 | 8527512 | 8629386 | 8558841 | 0.72   | cps   |
| Terbium    | 159-2 | 1949574 | 1937790 | 1923772 | 1937045 | 0.67   | cps   |
| Thallium   | 203-1 | 1892    | 1742    | 2009    | 1881    | 7.11   | cps   |
| Thallium   | 205-1 | 4434    | 4326    | 4726    | 4495    | 4.61   | cps   |
| Tin        | 118-1 | 2667    | 2475    | 2642    | 2595    | 4.02   | cps   |
| Titanium   | 47-1  | 392     | 567     | 500     | 486     | 18.17  | cps   |
| Uranium    | 238-1 | 5060    | 5168    | 5085    | 5104    | 1.11   | cps   |
| Vanadium   | 51-2  | 167     | 193     | 173     | 178     | 7.81   | cps   |
| Yttrium    | 89-1  | 7347498 | 7409862 | 7399287 | 7385549 | 0.45   | cps   |
| Yttrium    | 89-2  | 254329  | 252625  | 251139  | 252698  | 0.63   | cps   |
| Zinc       | 66-2  | 140     | 73      | 103     | 106     | 31.63  | cps   |
| Zirconium  | 90-1  | 3884    | 3992    | 3784    | 3887    | 2.68   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-18              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-18              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:53:31 | DataFile Name :   | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 967  | 925  | 908  | 933     | 3.22   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-19              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-19              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:56:40 | DataFile Name :   | 042SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 125     | 125     | 142     | 131     | 7.37   | cps   |
| Antimony   | 121-1 | 2584    | 2709    | 2717    | 2670    | 2.80   | cps   |
| Arsenic    | 75-2  | 26      | 33      | 35      | 31      | 15.56  | cps   |
| Barium     | 135-1 | 2459    | 2850    | 2767    | 2692    | 7.67   | cps   |
| Barium     | 137-1 | 4051    | 4318    | 4343    | 4237    | 3.82   | cps   |
| Beryllium  | 9-1   | 439     | 356     | 344     | 380     | 13.60  | cps   |
| Bismuth    | 209-1 | 5041225 | 5191953 | 5110241 | 5114473 | 1.48   | cps   |
| Bismuth    | 209-2 | 1427250 | 1512204 | 1504602 | 1481352 | 3.17   | cps   |
| Boron      | 11-1  | 1934    | 1792    | 1717    | 1814    | 6.07   | cps   |
| Boron      | 10-1  | 375     | 292     | 333     | 333     | 12.50  | cps   |
| Cadmium    | 106-1 | 1367    | 1525    | 1408    | 1433    | 5.73   | cps   |
| Cadmium    | 108-1 | 33      | 25      | 63      | 40      | 48.89  | cps   |
| Cadmium    | 111-1 | 1467    | 1600    | 1513    | 1527    | 4.44   | cps   |
| Calcium    | 43-1  | 1825    | 2409    | 2034    | 2089    | 14.15  | cps   |
| Calcium    | 44-1  | 41621   | 41964   | 40919   | 41501   | 1.28   | cps   |
| Chromium   | 52-2  | 973     | 960     | 1003    | 979     | 2.27   | cps   |
| Cobalt     | 59-2  | 607     | 623     | 577     | 602     | 3.93   | cps   |
| Copper     | 63-2  | 1117    | 1243    | 1117    | 1159    | 6.31   | cps   |
| Dysprosium | 156-1 | 33      | 42      | 42      | 39      | 12.38  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 17      | 58      | 17      | 31      | 78.72  | cps   |
| Erbium     | 164-2 | 3       | 17      | 7       | 9       | 78.08  | cps   |
| Gadolinium | 160-1 | 67      | 33      | 33      | 44      | 43.31  | cps   |
| Gadolinium | 160-2 | 7       | 10      | 3       | 7       | 50.03  | cps   |
| Holmium    | 165-1 | 8291267 | 8297911 | 8282254 | 8290477 | 0.09   | cps   |
| Holmium    | 165-2 | 1899584 | 1985812 | 1986229 | 1957208 | 2.55   | cps   |
| Indium     | 115-1 | 7094857 | 7095605 | 7109594 | 7100018 | 0.12   | cps   |
| Indium     | 115-2 | 334523  | 353386  | 349868  | 345926  | 2.90   | cps   |
| Iron       | 56-2  | 10310   | 10048   | 10599   | 10319   | 2.67   | cps   |
| Iron       | 57-2  | 272     | 306     | 356     | 311     | 13.48  | cps   |
| Lead       | 206-1 | 1934    | 2017    | 1789    | 1913    | 6.03   | cps   |
| Lead       | 207-1 | 1811    | 1600    | 1839    | 1750    | 7.47   | cps   |
| Lead       | 208-1 | 7562    | 7601    | 7735    | 7633    | 1.18   | cps   |
| Lithium    | 6-1   | 994099  | 1012709 | 994735  | 1000514 | 1.06   | cps   |
| Magnesium  | 24-2  | 1033    | 1125    | 1358    | 1172    | 14.30  | cps   |
| Manganese  | 55-2  | 233     | 187     | 207     | 209     | 11.21  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-19              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-19              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:56:40 | DataFile Name :   | 042SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1550    | 1834    | 1575    | 1653    | 9.49   | cps   |
| Molybdenum | 94-1  | 2184    | 2359    | 2167    | 2236    | 4.75   | cps   |
| Molybdenum | 95-1  | 992     | 1042    | 1067    | 1033    | 3.70   | cps   |
| Molybdenum | 96-1  | 1492    | 1442    | 1375    | 1436    | 4.08   | cps   |
| Molybdenum | 97-1  | 800     | 717     | 683     | 733     | 8.19   | cps   |
| Neodymium  | 150-1 | 20      | 7       | 13      | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 383     | 390     | 320     | 364     | 10.60  | cps   |
| Phosphorus | 31-2  | 25      | 0       | 33      | 19      | 89.22  | cps   |
| Potassium  | 39-2  | 4076    | 3376    | 3442    | 3631    | 10.64  | cps   |
| Rhodium    | 103-1 | 6475929 | 6601506 | 6517127 | 6531521 | 0.98   | cps   |
| Rhodium    | 103-2 | 1773950 | 1832599 | 1832696 | 1813082 | 1.87   | cps   |
| Scandium   | 45-1  | 3979281 | 3955551 | 3976130 | 3970321 | 0.32   | cps   |
| Scandium   | 45-2  | 34015   | 35816   | 36367   | 35399   | 3.48   | cps   |
| Selenium   | 77-2  | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 9       | 11      | 15      | 12      | 24.10  | cps   |
| Selenium   | 82-1  | 310     | 100     | 270     | 226     | 49.32  | cps   |
| Silicon    | 28-1  | 407734  | 412654  | 402548  | 407646  | 1.24   | cps   |
| Silver     | 109-1 | 2792    | 2909    | 2525    | 2742    | 7.17   | cps   |
| Silver     | 107-1 | 2709    | 2809    | 2684    | 2734    | 2.42   | cps   |
| Sodium     | 23-2  | 7703    | 8036    | 7986    | 7908    | 2.27   | cps   |
| Strontium  | 86-1  | 1650    | 1659    | 1517    | 1609    | 4.94   | cps   |
| Strontium  | 88-1  | 6368    | 6135    | 6210    | 6238    | 1.91   | cps   |
| Sulfur     | 34-1  | 368230  | 365295  | 369664  | 367730  | 0.61   | cps   |
| Terbium    | 159-1 | 8604771 | 8638434 | 8598732 | 8613979 | 0.25   | cps   |
| Terbium    | 159-2 | 1863848 | 1947896 | 1952660 | 1921468 | 2.60   | cps   |
| Thallium   | 203-1 | 2000    | 1784    | 1817    | 1867    | 6.25   | cps   |
| Thallium   | 205-1 | 4376    | 4293    | 4693    | 4454    | 4.74   | cps   |
| Tin        | 118-1 | 2725    | 2684    | 3000    | 2803    | 6.14   | cps   |
| Titanium   | 47-1  | 408     | 408     | 417     | 411     | 1.17   | cps   |
| Uranium    | 238-1 | 5602    | 5552    | 5385    | 5513    | 2.06   | cps   |
| Vanadium   | 51-2  | 230     | 170     | 220     | 207     | 15.56  | cps   |
| Yttrium    | 89-1  | 7344873 | 7391013 | 7330430 | 7355439 | 0.43   | cps   |
| Yttrium    | 89-2  | 243494  | 254106  | 256758  | 251453  | 2.79   | cps   |
| Zinc       | 66-2  | 93      | 133     | 100     | 109     | 19.68  | cps   |
| Zirconium  | 90-1  | 3984    | 4384    | 3992    | 4120    | 5.55   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-19              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-19              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:56:40 | DataFile Name :   | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 825  | 933  | 917  | 892     | 6.54   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-20              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-20              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:59:49 | DataFile Name :   | 043SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 142     | 108     | 100     | 117     | 18.90  | cps   |
| Antimony   | 121-1 | 2292    | 2342    | 2359    | 2331    | 1.49   | cps   |
| Arsenic    | 75-2  | 30      | 22      | 35      | 29      | 22.43  | cps   |
| Barium     | 135-1 | 2200    | 2525    | 2200    | 2309    | 8.13   | cps   |
| Barium     | 137-1 | 4276    | 3776    | 3959    | 4004    | 6.32   | cps   |
| Beryllium  | 9-1   | 328     | 356     | 328     | 337     | 4.76   | cps   |
| Bismuth    | 209-1 | 4948957 | 5069265 | 5081100 | 5033107 | 1.45   | cps   |
| Bismuth    | 209-2 | 1502202 | 1512229 | 1499017 | 1504483 | 0.46   | cps   |
| Boron      | 11-1  | 1675    | 1767    | 1867    | 1770    | 5.42   | cps   |
| Boron      | 10-1  | 342     | 367     | 517     | 408     | 23.18  | cps   |
| Cadmium    | 106-1 | 1542    | 1442    | 1475    | 1486    | 3.43   | cps   |
| Cadmium    | 108-1 | 46      | 46      | 29      | 40      | 23.88  | cps   |
| Cadmium    | 111-1 | 1639    | 1411    | 1587    | 1546    | 7.75   | cps   |
| Calcium    | 43-1  | 2275    | 2450    | 2067    | 2264    | 8.48   | cps   |
| Calcium    | 44-1  | 41863   | 41705   | 41705   | 41758   | 0.22   | cps   |
| Chromium   | 52-2  | 967     | 1007    | 947     | 973     | 3.14   | cps   |
| Cobalt     | 59-2  | 563     | 610     | 527     | 567     | 7.37   | cps   |
| Copper     | 63-2  | 1130    | 1183    | 1123    | 1146    | 2.87   | cps   |
| Dysprosium | 156-1 | 17      | 75      | 42      | 44      | 65.84  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 42      | 17      | 58      | 39      | 53.93  | cps   |
| Erbium     | 164-2 | 10      | 3       | 0       | 4       | 114.60 | cps   |
| Gadolinium | 160-1 | 42      | 67      | 75      | 61      | 28.38  | cps   |
| Gadolinium | 160-2 | 3       | 7       | 7       | 6       | 34.70  | cps   |
| Holmium    | 165-1 | 7976173 | 8274514 | 8101243 | 8117310 | 1.85   | cps   |
| Holmium    | 165-2 | 1986690 | 1978722 | 1974961 | 1980124 | 0.30   | cps   |
| Indium     | 115-1 | 6907850 | 6959933 | 7020303 | 6962695 | 0.81   | cps   |
| Indium     | 115-2 | 351309  | 350172  | 350559  | 350680  | 0.16   | cps   |
| Iron       | 56-2  | 9954    | 9848    | 10115   | 9972    | 1.35   | cps   |
| Iron       | 57-2  | 244     | 261     | 239     | 248     | 4.66   | cps   |
| Lead       | 206-1 | 1734    | 1984    | 1561    | 1759    | 12.07  | cps   |
| Lead       | 207-1 | 1706    | 1772    | 1717    | 1732    | 2.06   | cps   |
| Lead       | 208-1 | 7296    | 7451    | 7318    | 7355    | 1.14   | cps   |
| Lithium    | 6-1   | 963111  | 1012660 | 1002766 | 992846  | 2.64   | cps   |
| Magnesium  | 24-2  | 1175    | 1058    | 983     | 1072    | 9.01   | cps   |
| Manganese  | 55-2  | 187     | 243     | 173     | 201     | 18.48  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-20              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-20              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:59:49 | DataFile Name :   | 043SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1483    | 1475    | 1550    | 1503    | 2.74   | cps   |
| Molybdenum | 94-1  | 2184    | 2150    | 2150    | 2161    | 0.89   | cps   |
| Molybdenum | 95-1  | 908     | 892     | 908     | 903     | 1.07   | cps   |
| Molybdenum | 96-1  | 1242    | 1242    | 1317    | 1267    | 3.42   | cps   |
| Molybdenum | 97-1  | 558     | 608     | 733     | 633     | 14.23  | cps   |
| Neodymium  | 150-1 | 27      | 7       | 20      | 18      | 57.27  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 307     | 380     | 330     | 339     | 11.05  | cps   |
| Phosphorus | 31-2  | 17      | 8       | 17      | 14      | 34.67  | cps   |
| Potassium  | 39-2  | 3659    | 3842    | 3609    | 3703    | 3.32   | cps   |
| Rhodium    | 103-1 | 6365057 | 6459034 | 6415387 | 6413159 | 0.73   | cps   |
| Rhodium    | 103-2 | 1855676 | 1826238 | 1860739 | 1847551 | 1.01   | cps   |
| Scandium   | 45-1  | 3868423 | 3869442 | 3883966 | 3873943 | 0.22   | cps   |
| Scandium   | 45-2  | 36153   | 36280   | 35869   | 36101   | 0.58   | cps   |
| Selenium   | 77-2  | 0       | 7       | 3       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 7       | 2       | 7       | 6       | 57.77  | cps   |
| Selenium   | 82-1  | 201     | 198     | 295     | 231     | 23.86  | cps   |
| Silicon    | 28-1  | 406073  | 404499  | 413355  | 407976  | 1.16   | cps   |
| Silver     | 109-1 | 2350    | 2409    | 2567    | 2442    | 4.59   | cps   |
| Silver     | 107-1 | 2467    | 2234    | 2284    | 2328    | 5.28   | cps   |
| Sodium     | 23-2  | 7786    | 7344    | 7235    | 7455    | 3.91   | cps   |
| Strontium  | 86-1  | 1458    | 1508    | 1467    | 1478    | 1.81   | cps   |
| Strontium  | 88-1  | 5751    | 5701    | 5660    | 5704    | 0.81   | cps   |
| Sulfur     | 34-1  | 369649  | 368990  | 373866  | 370835  | 0.71   | cps   |
| Terbium    | 159-1 | 8331214 | 8546690 | 8498969 | 8458958 | 1.34   | cps   |
| Terbium    | 159-2 | 1944771 | 1969366 | 1937682 | 1950606 | 0.85   | cps   |
| Thallium   | 203-1 | 1692    | 1900    | 1959    | 1850    | 7.58   | cps   |
| Thallium   | 205-1 | 3926    | 4068    | 3984    | 3992    | 1.78   | cps   |
| Tin        | 118-1 | 2584    | 2550    | 2475    | 2536    | 2.19   | cps   |
| Titanium   | 47-1  | 325     | 458     | 433     | 406     | 17.48  | cps   |
| Uranium    | 238-1 | 4951    | 4459    | 4668    | 4693    | 5.26   | cps   |
| Vanadium   | 51-2  | 177     | 190     | 193     | 187     | 4.73   | cps   |
| Yttrium    | 89-1  | 7070937 | 7215425 | 7274254 | 7186872 | 1.46   | cps   |
| Yttrium    | 89-2  | 251757  | 254670  | 254209  | 253545  | 0.62   | cps   |
| Zinc       | 66-2  | 140     | 163     | 143     | 149     | 8.48   | cps   |
| Zirconium  | 90-1  | 3901    | 3701    | 3576    | 3726    | 4.40   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-20              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-20              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:59:49 | DataFile Name :   | 043SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 825  | 750  | 825  | 800     | 5.41   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-21              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-21              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:02:56 | DataFile Name :   | 044SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 75      | 67      | 117     | 86      | 31.11  | cps   |
| Antimony   | 121-1 | 2700    | 2575    | 2434    | 2570    | 5.19   | cps   |
| Arsenic    | 75-2  | 31      | 43      | 37      | 37      | 15.00  | cps   |
| Barium     | 135-1 | 2392    | 2492    | 2700    | 2528    | 6.22   | cps   |
| Barium     | 137-1 | 4734    | 4509    | 4376    | 4540    | 3.99   | cps   |
| Beryllium  | 9-1   | 372     | 500     | 439     | 437     | 14.62  | cps   |
| Bismuth    | 209-1 | 5121418 | 5172087 | 5107488 | 5133664 | 0.66   | cps   |
| Bismuth    | 209-2 | 1436056 | 1429849 | 1489300 | 1451735 | 2.25   | cps   |
| Boron      | 11-1  | 1625    | 1525    | 1692    | 1614    | 5.20   | cps   |
| Boron      | 10-1  | 375     | 342     | 317     | 344     | 8.50   | cps   |
| Cadmium    | 106-1 | 1559    | 1625    | 1392    | 1525    | 7.88   | cps   |
| Cadmium    | 108-1 | 58      | 50      | 38      | 49      | 21.57  | cps   |
| Cadmium    | 111-1 | 1575    | 1711    | 1506    | 1598    | 6.52   | cps   |
| Calcium    | 43-1  | 2250    | 2459    | 2200    | 2303    | 5.95   | cps   |
| Calcium    | 44-1  | 42323   | 42290   | 42916   | 42510   | 0.83   | cps   |
| Chromium   | 52-2  | 997     | 960     | 993     | 983     | 2.06   | cps   |
| Cobalt     | 59-2  | 633     | 603     | 607     | 614     | 2.68   | cps   |
| Copper     | 63-2  | 1320    | 1083    | 1130    | 1178    | 10.64  | cps   |
| Dysprosium | 156-1 | 33      | 25      | 8       | 22      | 57.30  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 33      | 33      | 33      | 33      | 0.00   | cps   |
| Erbium     | 164-2 | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Gadolinium | 160-1 | 42      | 33      | 50      | 42      | 20.00  | cps   |
| Gadolinium | 160-2 | 23      | 10      | 10      | 14      | 53.28  | cps   |
| Holmium    | 165-1 | 8233278 | 8204288 | 8237984 | 8225183 | 0.22   | cps   |
| Holmium    | 165-2 | 1926639 | 1900079 | 2002136 | 1942951 | 2.73   | cps   |
| Indium     | 115-1 | 6981706 | 7064000 | 7097683 | 7047796 | 0.85   | cps   |
| Indium     | 115-2 | 333830  | 335894  | 350472  | 340065  | 2.67   | cps   |
| Iron       | 56-2  | 10137   | 10332   | 9993    | 10154   | 1.68   | cps   |
| Iron       | 57-2  | 250     | 239     | 272     | 254     | 6.69   | cps   |
| Lead       | 206-1 | 2117    | 1922    | 1745    | 1928    | 9.66   | cps   |
| Lead       | 207-1 | 1861    | 1695    | 1717    | 1758    | 5.15   | cps   |
| Lead       | 208-1 | 7907    | 7657    | 7412    | 7659    | 3.23   | cps   |
| Lithium    | 6-1   | 980857  | 992139  | 999486  | 990827  | 0.95   | cps   |
| Magnesium  | 24-2  | 1042    | 875     | 967     | 961     | 8.69   | cps   |
| Manganese  | 55-2  | 247     | 187     | 190     | 208     | 16.23  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-21              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-21              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:02:56 | DataFile Name :   | 044SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 1917    | 1817    | 1559    | 1764    | 10.48  | cps   |
| Molybdenum | 94-1  | 1817    | 2367    | 2017    | 2067    | 13.47  | cps   |
| Molybdenum | 95-1  | 1142    | 1192    | 1242    | 1192    | 4.20   | cps   |
| Molybdenum | 96-1  | 1700    | 1558    | 1350    | 1536    | 11.46  | cps   |
| Molybdenum | 97-1  | 658     | 658     | 575     | 631     | 7.63   | cps   |
| Neodymium  | 150-1 | 0       | 7       | 27      | 11      | 124.89 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 387     | 380     | 347     | 371     | 5.77   | cps   |
| Phosphorus | 31-2  | 0       | 0       | 25      | 8       | 173.21 | cps   |
| Potassium  | 39-2  | 3584    | 3467    | 3684    | 3578    | 3.03   | cps   |
| Rhodium    | 103-1 | 6537685 | 6563680 | 6616636 | 6572667 | 0.61   | cps   |
| Rhodium    | 103-2 | 1807450 | 1776748 | 1846938 | 1810379 | 1.94   | cps   |
| Scandium   | 45-1  | 3945026 | 3935383 | 4026048 | 3968819 | 1.25   | cps   |
| Scandium   | 45-2  | 34042   | 34262   | 35913   | 34739   | 2.94   | cps   |
| Selenium   | 77-2  | 7       | 3       | 0       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 9       | 7       | 6       | 7       | 24.97  | cps   |
| Selenium   | 82-1  | 354     | 287     | 115     | 252     | 48.85  | cps   |
| Silicon    | 28-1  | 407211  | 409665  | 399069  | 405315  | 1.37   | cps   |
| Silver     | 109-1 | 2300    | 2592    | 2625    | 2506    | 7.14   | cps   |
| Silver     | 107-1 | 3117    | 2600    | 2959    | 2892    | 9.15   | cps   |
| Sodium     | 23-2  | 6969    | 8094    | 8011    | 7691    | 8.15   | cps   |
| Strontium  | 86-1  | 1608    | 1742    | 1458    | 1603    | 8.84   | cps   |
| Strontium  | 88-1  | 6127    | 6444    | 6493    | 6355    | 3.13   | cps   |
| Sulfur     | 34-1  | 367710  | 364381  | 366545  | 366212  | 0.46   | cps   |
| Terbium    | 159-1 | 8536822 | 8659877 | 8624584 | 8607094 | 0.74   | cps   |
| Terbium    | 159-2 | 1876044 | 1859802 | 1912507 | 1882784 | 1.43   | cps   |
| Thallium   | 203-1 | 1934    | 2034    | 1692    | 1886    | 9.31   | cps   |
| Thallium   | 205-1 | 4068    | 4243    | 4501    | 4270    | 5.11   | cps   |
| Tin        | 118-1 | 2684    | 2459    | 2975    | 2706    | 9.58   | cps   |
| Titanium   | 47-1  | 317     | 442     | 483     | 414     | 20.96  | cps   |
| Uranium    | 238-1 | 5510    | 5376    | 5451    | 5446    | 1.23   | cps   |
| Vanadium   | 51-2  | 210     | 160     | 167     | 179     | 15.18  | cps   |
| Yttrium    | 89-1  | 7334112 | 7373309 | 7392844 | 7366755 | 0.41   | cps   |
| Yttrium    | 89-2  | 244767  | 244373  | 252077  | 247072  | 1.76   | cps   |
| Zinc       | 66-2  | 120     | 117     | 63      | 100     | 31.80  | cps   |
| Zirconium  | 90-1  | 3751    | 4184    | 4192    | 4042    | 6.25   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-21              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-21              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:02:56 | DataFile Name :   | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 925  | 908  | 917  | 917     | 0.91   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV56               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV56               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 14:06:06 | DataFile Name :   | 045CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 354707   | 347026   | 351336   | 351023   | 1.10   | cps   |
| Antimony   | 121-1 | 5039579  | 5023076  | 4999903  | 5020853  | 0.40   | cps   |
| Arsenic    | 75-2  | 59345    | 58424    | 58984    | 58918    | 0.79   | cps   |
| Barium     | 135-1 | 5193302  | 5220597  | 5242634  | 5218844  | 0.47   | cps   |
| Barium     | 137-1 | 8933329  | 9009752  | 9000602  | 8981228  | 0.46   | cps   |
| Beryllium  | 9-1   | 599580   | 597165   | 597263   | 598003   | 0.23   | cps   |
| Bismuth    | 209-1 | 5116990  | 5107153  | 5175067  | 5133070  | 0.72   | cps   |
| Bismuth    | 209-2 | 1440026  | 1429898  | 1437255  | 1435726  | 0.36   | cps   |
| Boron      | 11-1  | 333888   | 340245   | 341852   | 338662   | 1.24   | cps   |
| Boron      | 10-1  | 72576    | 71286    | 72224    | 72028    | 0.93   | cps   |
| Cadmium    | 106-1 | 109282   | 109477   | 107821   | 108860   | 0.83   | cps   |
| Cadmium    | 108-1 | 73248    | 73721    | 72942    | 73304    | 0.54   | cps   |
| Cadmium    | 111-1 | 1049655  | 1049857  | 1039322  | 1046278  | 0.58   | cps   |
| Calcium    | 43-1  | 5146497  | 5121401  | 5151878  | 5139925  | 0.32   | cps   |
| Calcium    | 44-1  | 83766887 | 83169229 | 83442904 | 83459673 | 0.36   | cps   |
| Chromium   | 52-2  | 483275   | 475054   | 478885   | 479071   | 0.86   | cps   |
| Cobalt     | 59-2  | 1001818  | 988620   | 1004248  | 998229   | 0.84   | cps   |
| Copper     | 63-2  | 1745298  | 1721697  | 1728035  | 1731677  | 0.71   | cps   |
| Dysprosium | 156-1 | 142      | 75       | 125      | 114      | 30.46  | cps   |
| Dysprosium | 156-2 | 17       | 13       | 17       | 16       | 12.40  | cps   |
| Erbium     | 164-1 | 67       | 58       | 67       | 64       | 7.53   | cps   |
| Erbium     | 164-2 | 7        | 17       | 17       | 13       | 43.29  | cps   |
| Gadolinium | 160-1 | 92       | 142      | 108      | 114      | 22.35  | cps   |
| Gadolinium | 160-2 | 27       | 40       | 17       | 28       | 42.13  | cps   |
| Holmium    | 165-1 | 8554085  | 8587293  | 8583373  | 8574917  | 0.21   | cps   |
| Holmium    | 165-2 | 2018159  | 1961916  | 1964351  | 1981475  | 1.60   | cps   |
| Indium     | 115-1 | 6880902  | 6871112  | 6880108  | 6877374  | 0.08   | cps   |
| Indium     | 115-2 | 332412   | 325909   | 325821   | 328047   | 1.15   | cps   |
| Iron       | 56-2  | 78595982 | 78015849 | 78144518 | 78252117 | 0.39   | cps   |
| Iron       | 57-2  | 2019319  | 1984716  | 1995009  | 1999681  | 0.89   | cps   |
| Lead       | 206-1 | 2954352  | 2958895  | 2994925  | 2969391  | 0.75   | cps   |
| Lead       | 207-1 | 2665881  | 2649643  | 2754554  | 2690026  | 2.10   | cps   |
| Lead       | 208-1 | 11922359 | 11891604 | 12153978 | 11989314 | 1.20   | cps   |
| Lithium    | 6-1   | 976043   | 998196   | 1004144  | 992794   | 1.49   | cps   |
| Magnesium  | 24-2  | 8422236  | 8294160  | 8417855  | 8378084  | 0.87   | cps   |
| Manganese  | 55-2  | 272885   | 271402   | 272349   | 272212   | 0.28   | cps   |



|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV56               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV56               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 14:06:06 | DataFile Name :   | 045CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 98-1  | 3459811  | 3396583  | 3453145  | 3436513  | 1.01   | cps   |
| Molybdenum | 94-1  | 3983697  | 3989113  | 4006810  | 3993206  | 0.30   | cps   |
| Molybdenum | 95-1  | 2188044  | 2156348  | 2183533  | 2175975  | 0.79   | cps   |
| Molybdenum | 96-1  | 2762862  | 2742267  | 2736572  | 2747234  | 0.50   | cps   |
| Molybdenum | 97-1  | 1313790  | 1311930  | 1308672  | 1311464  | 0.20   | cps   |
| Neodymium  | 150-1 | 233      | 247      | 227      | 236      | 4.32   | cps   |
| Neodymium  | 150-2 | 10       | 13       | 7        | 10       | 33.30  | cps   |
| Nickel     | 60-2  | 291703   | 284262   | 288679   | 288215   | 1.30   | cps   |
| Phosphorus | 31-2  | 5135     | 5643     | 5101     | 5293     | 5.74   | cps   |
| Potassium  | 39-2  | 2568037  | 2546474  | 2554442  | 2556317  | 0.43   | cps   |
| Rhodium    | 103-1 | 6228957  | 6135830  | 6235816  | 6200201  | 0.90   | cps   |
| Rhodium    | 103-2 | 1701407  | 1680942  | 1697504  | 1693284  | 0.64   | cps   |
| Scandium   | 45-1  | 3994533  | 3915138  | 3927667  | 3945780  | 1.08   | cps   |
| Scandium   | 45-2  | 36080    | 34947    | 34773    | 35267    | 2.01   | cps   |
| Selenium   | 77-2  | 447      | 400      | 380      | 409      | 8.37   | cps   |
| Selenium   | 78-2  | 1541     | 1424     | 1406     | 1457     | 5.03   | cps   |
| Selenium   | 82-1  | 64153    | 64872    | 63893    | 64306    | 0.79   | cps   |
| Silicon    | 28-1  | 2246049  | 2255871  | 2260173  | 2254031  | 0.32   | cps   |
| Silver     | 109-1 | 4940592  | 4938008  | 4878719  | 4919106  | 0.71   | cps   |
| Silver     | 107-1 | 5140053  | 5163838  | 5081072  | 5128321  | 0.83   | cps   |
| Sodium     | 23-2  | 20390978 | 20143074 | 20324639 | 20286230 | 0.63   | cps   |
| Strontium  | 86-1  | 1399994  | 1427881  | 1389093  | 1405656  | 1.42   | cps   |
| Strontium  | 88-1  | 12064769 | 12160389 | 12082533 | 12102564 | 0.42   | cps   |
| Sulfur     | 34-1  | 686474   | 685862   | 684774   | 685703   | 0.13   | cps   |
| Terbium    | 159-1 | 8986822  | 9040582  | 8980958  | 9002787  | 0.37   | cps   |
| Terbium    | 159-2 | 1963285  | 1933797  | 1906921  | 1934668  | 1.46   | cps   |
| Thallium   | 203-1 | 3684177  | 3646514  | 3664721  | 3665138  | 0.51   | cps   |
| Thallium   | 205-1 | 8463906  | 8521816  | 8569011  | 8518244  | 0.62   | cps   |
| Tin        | 118-1 | 3515121  | 3521786  | 3485978  | 3507629  | 0.54   | cps   |
| Titanium   | 47-1  | 536407   | 542447   | 537700   | 538851   | 0.59   | cps   |
| Uranium    | 238-1 | 11447510 | 11569009 | 11567855 | 11528125 | 0.61   | cps   |
| Vanadium   | 51-2  | 358516   | 358388   | 358756   | 358553   | 0.05   | cps   |
| Yttrium    | 89-1  | 7369079  | 7418214  | 7340389  | 7375894  | 0.53   | cps   |
| Yttrium    | 89-2  | 246807   | 241897   | 248033   | 245579   | 1.32   | cps   |
| Zinc       | 66-2  | 156006   | 152881   | 155409   | 154766   | 1.07   | cps   |
| Zirconium  | 90-1  | 7439464  | 7535994  | 7474498  | 7483319  | 0.65   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV56               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV56               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 14:06:06 | DataFile Name :   | 045CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 91-1 | 1682319 | 1706200 | 1713448 | 1700656 | 0.96   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB56               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB56               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:09:03 | DataFile Name :   | 046CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 8       | 25      | 0       | 11      | 114.58 | cps   |
| Antimony   | 121-1 | 2675    | 2625    | 2017    | 2439    | 15.03  | cps   |
| Arsenic    | 75-2  | 6       | 6       | 4       | 5       | 21.74  | cps   |
| Barium     | 135-1 | 58      | 17      | 25      | 33      | 66.14  | cps   |
| Barium     | 137-1 | 100     | 67      | 67      | 78      | 24.75  | cps   |
| Beryllium  | 9-1   | 206     | 172     | 161     | 180     | 12.87  | cps   |
| Bismuth    | 209-1 | 5294944 | 5324048 | 5278860 | 5299284 | 0.43   | cps   |
| Bismuth    | 209-2 | 1485446 | 1496293 | 1415761 | 1465833 | 2.98   | cps   |
| Boron      | 11-1  | 7644    | 7769    | 6702    | 7372    | 7.91   | cps   |
| Boron      | 10-1  | 1684    | 1400    | 1208    | 1431    | 16.71  | cps   |
| Cadmium    | 106-1 | 1225    | 1408    | 1350    | 1328    | 7.06   | cps   |
| Cadmium    | 108-1 | 33      | 0       | 13      | 15      | 110.22 | cps   |
| Cadmium    | 111-1 | 872     | 1032    | 1007    | 970     | 8.88   | cps   |
| Calcium    | 43-1  | 1659    | 1684    | 1617    | 1653    | 2.04   | cps   |
| Calcium    | 44-1  | 35179   | 35329   | 33675   | 34727   | 2.63   | cps   |
| Chromium   | 52-2  | 723     | 670     | 643     | 679     | 6.00   | cps   |
| Cobalt     | 59-2  | 60      | 73      | 60      | 64      | 11.94  | cps   |
| Copper     | 63-2  | 290     | 233     | 213     | 246     | 16.20  | cps   |
| Dysprosium | 156-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 25      | 0       | 33      | 19      | 89.21  | cps   |
| Erbium     | 164-2 | 7       | 10      | 3       | 7       | 50.03  | cps   |
| Gadolinium | 160-1 | 75      | 42      | 58      | 58      | 28.57  | cps   |
| Gadolinium | 160-2 | 0       | 10      | 13      | 8       | 89.21  | cps   |
| Holmium    | 165-1 | 8428650 | 8571990 | 8298930 | 8433190 | 1.62   | cps   |
| Holmium    | 165-2 | 1943981 | 1954367 | 1874495 | 1924281 | 2.26   | cps   |
| Indium     | 115-1 | 7139521 | 7109275 | 7019571 | 7089456 | 0.88   | cps   |
| Indium     | 115-2 | 343082  | 343342  | 323592  | 336672  | 3.36   | cps   |
| Iron       | 56-2  | 2206    | 2461    | 2534    | 2400    | 7.18   | cps   |
| Iron       | 57-2  | 72      | 61      | 94      | 76      | 22.36  | cps   |
| Lead       | 206-1 | 833     | 817     | 733     | 794     | 6.74   | cps   |
| Lead       | 207-1 | 744     | 767     | 783     | 765     | 2.55   | cps   |
| Lead       | 208-1 | 3339    | 3361    | 3295    | 3332    | 1.02   | cps   |
| Lithium    | 6-1   | 998879  | 1025297 | 989979  | 1004718 | 1.83   | cps   |
| Magnesium  | 24-2  | 167     | 142     | 92      | 133     | 28.64  | cps   |
| Manganese  | 55-2  | 80      | 40      | 37      | 52      | 46.17  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB56               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB56               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:09:03 | DataFile Name :   | 046CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Molybdenum | 98-1  | 475     | 408     | 317     | 400     | 19.87  | cps   |
| Molybdenum | 94-1  | 592     | 558     | 400     | 517     | 19.82  | cps   |
| Molybdenum | 95-1  | 250     | 300     | 358     | 303     | 17.91  | cps   |
| Molybdenum | 96-1  | 517     | 325     | 283     | 375     | 33.19  | cps   |
| Molybdenum | 97-1  | 225     | 183     | 192     | 200     | 11.02  | cps   |
| Neodymium  | 150-1 | 0       | 20      | 0       | 7       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 177     | 183     | 250     | 203     | 19.94  | cps   |
| Phosphorus | 31-2  | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Potassium  | 39-2  | 3584    | 3492    | 3150    | 3409    | 6.70   | cps   |
| Rhodium    | 103-1 | 6542760 | 6573477 | 6458848 | 6525028 | 0.91   | cps   |
| Rhodium    | 103-2 | 1841725 | 1830107 | 1732118 | 1801317 | 3.34   | cps   |
| Scandium   | 45-1  | 3924584 | 3949394 | 3896127 | 3923368 | 0.68   | cps   |
| Scandium   | 45-2  | 34843   | 35017   | 33434   | 34431   | 2.52   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 2       | 0       | 4       | 2       | 100.00 | cps   |
| Selenium   | 82-1  | 4       | 101     | -54     | 17      | 453.30 | cps   |
| Silicon    | 28-1  | 406047  | 397076  | 393279  | 398801  | 1.64   | cps   |
| Silver     | 109-1 | 275     | 292     | 342     | 303     | 11.46  | cps   |
| Silver     | 107-1 | 358     | 208     | 300     | 289     | 26.17  | cps   |
| Sodium     | 23-2  | 9720    | 9404    | 9445    | 9523    | 1.81   | cps   |
| Strontium  | 86-1  | 1033    | 983     | 767     | 928     | 15.28  | cps   |
| Strontium  | 88-1  | 183     | 367     | 225     | 258     | 37.20  | cps   |
| Sulfur     | 34-1  | 353772  | 351603  | 352383  | 352586  | 0.31   | cps   |
| Terbium    | 159-1 | 8791289 | 8888864 | 8710945 | 8797033 | 1.01   | cps   |
| Terbium    | 159-2 | 1919521 | 1910554 | 1813111 | 1881062 | 3.14   | cps   |
| Thallium   | 203-1 | 1308    | 1192    | 1017    | 1172    | 12.52  | cps   |
| Thallium   | 205-1 | 2525    | 2434    | 1975    | 2311    | 12.75  | cps   |
| Tin        | 118-1 | 2600    | 2492    | 2067    | 2386    | 11.82  | cps   |
| Titanium   | 47-1  | 142     | 150     | 158     | 150     | 5.56   | cps   |
| Uranium    | 238-1 | 317     | 183     | 233     | 244     | 27.56  | cps   |
| Vanadium   | 51-2  | 13      | 13      | 7       | 11      | 34.61  | cps   |
| Yttrium    | 89-1  | 7193217 | 7326475 | 7277515 | 7265736 | 0.93   | cps   |
| Yttrium    | 89-2  | 247816  | 246096  | 235675  | 243196  | 2.70   | cps   |
| Zinc       | 66-2  | 47      | 20      | 37      | 34      | 39.11  | cps   |
| Zirconium  | 90-1  | 1425    | 1025    | 1100    | 1183    | 17.97  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB56               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB56               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:09:03 | DataFile Name :   | 046CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 91-1 | 358  | 300  | 183  | 281     | 31.76  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:36:32 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 3.62    | -2.36   | -1.25   | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Arsenic    | 75-2  | -0.01   | -0.04   | 0.05    | 0.00       | N/A     | ppb   |
| Barium     | 135-1 | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Barium     | 137-1 | 0.02    | -0.01   | -0.01   | 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      | 11-1  | 0.04    | 0.06    | -0.10   | 0.00       | N/A     | ppb   |
| Boron      | 10-1  | 0.28    | -0.44   | 0.17    | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | -0.31   | 0.40    | -0.09   | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | -0.02   | -0.02   | 0.04    | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | -0.03   | 0.03    | 0.00    | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | -11.04  | 1.11    | 9.94    | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | 1.80    | -1.38   | -0.43   | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | -0.14   | 0.13    | 0.02    | 0.00       | N/A     | ppb   |
| Cobalt     | 59-2  | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Copper     | 63-2  | -0.02   | 0.00    | 0.02    | 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  | -0.10   | 0.17    | -0.07   | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | -0.50   | 0.64    | -0.13   | 0.00       | N/A     | ppb   |
| Lead       | 206-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 207-1 | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Lead       | 208-1 | 0.00    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.11    | 0.54    | -0.65   | 0.00       | N/A     | ppb   |
| Manganese  | 55-2  | -0.08   | 0.01    | 0.07    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:36:32 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 94-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 96-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 97-1  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.00    | 0.01    | -0.02   | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | 2.68    | 4.37    | -14.23  | -2.39      |         | ppb   |
| Potassium  | 39-2  | -10.98  | 7.58    | 3.40    | 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  | -0.65   | 0.03    | 0.62    | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | -0.39   | 0.43    | -0.04   | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | -1.94   | 2.87    | -0.93   | 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  | -1.03   | 3.70    | -2.67   | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | 0.04    | 0.01    | -0.05   | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | 115.65  | 384.30  | 154.16  | 218.04     | 66.63   | 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    | 0.01    | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | -0.05   | 0.05    | 0.00    | 0.00       | N/A     | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Vanadium   | 51-2  | 0.01    | 0.01    | -0.02   | 0.00       | N/A     | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | -0.01   | 0.07    | -0.06   | 0.00       | N/A     | ppb   |
| Zirconium  | 90-1  | 0.00    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:36:32 | DataFile Name :   | 003CALB.d |

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



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:43:41 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 14.26   | 18.99   | 18.04   | 17.10      | 14.62   | ppb   |
| Antimony   | 121-1 | 1.89    | 1.91    | 1.90    | 1.90       | 0.42    | ppb   |
| Arsenic    | 75-2  | 0.82    | 0.99    | 0.94    | 0.92       | 10.03   | ppb   |
| Barium     | 135-1 | 9.57    | 8.88    | 9.04    | 9.16       | 3.99    | ppb   |
| Barium     | 137-1 | 9.08    | 9.32    | 9.03    | 9.14       | 1.66    | ppb   |
| Beryllium  | 9-1   | 0.78    | 0.86    | 0.96    | 0.87       | 10.45   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 19.93   | 20.99   | 21.85   | 20.92      | 4.58    | ppb   |
| Boron      | 10-1  | 20.60   | 20.13   | 21.82   | 20.85      | 4.19    | ppb   |
| Cadmium    | 106-1 | 2.34    | 0.52    | 1.84    | 1.57       | 60.11   | ppb   |
| Cadmium    | 108-1 | 0.87    | 1.18    | 1.47    | 1.17       | 25.73   | ppb   |
| Cadmium    | 111-1 | 1.11    | 1.07    | 1.04    | 1.07       | 3.43    | ppb   |
| Calcium    | 43-1  | 426.84  | 464.83  | 433.09  | 441.59     | 4.61    | ppb   |
| Calcium    | 44-1  | 431.93  | 432.93  | 435.07  | 433.31     | 0.37    | ppb   |
| Chromium   | 52-2  | 2.02    | 1.95    | 1.99    | 1.99       | 1.91    | ppb   |
| Cobalt     | 59-2  | 0.93    | 0.96    | 0.92    | 0.94       | 2.42    | ppb   |
| Copper     | 63-2  | 2.09    | 2.14    | 1.99    | 2.07       | 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  | 47.51   | 46.04   | 46.02   | 46.52      | 1.83    | ppb   |
| Iron       | 57-2  | 46.78   | 43.84   | 44.74   | 45.12      | 3.34    | ppb   |
| Lead       | 206-1 | 1.08    | 1.03    | 0.97    | 1.03       | 5.15    | ppb   |
| Lead       | 207-1 | 1.05    | 1.02    | 1.04    | 1.04       | 1.63    | ppb   |
| Lead       | 208-1 | 1.06    | 1.03    | 1.01    | 1.03       | 2.62    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 451.25  | 452.71  | 431.64  | 445.20     | 2.64    | ppb   |
| Manganese  | 55-2  | 0.89    | 0.90    | 0.92    | 0.90       | 2.06    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:43:41 | DataFile Name :   | 005CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 4.20    | 4.22    | 4.40    | 4.28       | 2.51    | ppb   |
| Molybdenum | 94-1  | 1.81    | 1.94    | 1.92    | 1.89       | 3.63    | ppb   |
| Molybdenum | 95-1  | 4.15    | 4.38    | 4.32    | 4.28       | 2.83    | ppb   |
| Molybdenum | 96-1  | 3.61    | 3.78    | 3.74    | 3.71       | 2.34    | ppb   |
| Molybdenum | 97-1  | 4.06    | 4.25    | 4.46    | 4.26       | 4.74    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.09    | 0.87    | 1.07    | 1.01       | 11.82   | ppb   |
| Phosphorus | 31-2  | -14.23  | 18.89   | 2.51    | 2.39       | 692.07  | ppb   |
| Potassium  | 39-2  | 446.51  | 454.94  | 449.63  | 450.36     | 0.95    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 11.80   | 0.00    | 3.95    | 5.25       | 114.37  | ppb   |
| Selenium   | 78-2  | 7.61    | 6.41    | 7.66    | 7.23       | 9.82    | ppb   |
| Selenium   | 82-1  | 4.94    | 4.89    | 4.19    | 4.67       | 8.93    | ppb   |
| Silicon    | 28-1  | 5.28    | 7.00    | 5.01    | 5.76       | 18.73   | ppb   |
| Silver     | 109-1 | 1.27    | 1.29    | 1.28    | 1.28       | 0.74    | ppb   |
| Silver     | 107-1 | 1.34    | 1.24    | 1.27    | 1.28       | 4.20    | ppb   |
| Sodium     | 23-2  | 458.73  | 453.55  | 450.51  | 454.26     | 0.92    | ppb   |
| Strontium  | 86-1  | 0.89    | 1.02    | 0.90    | 0.94       | 7.50    | ppb   |
| Strontium  | 88-1  | 0.92    | 0.92    | 0.92    | 0.92       | 0.46    | ppb   |
| Sulfur     | 34-1  | -259.57 | -203.59 | -190.95 | -218.04    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.91    | 0.83    | 0.86    | 0.86       | 4.52    | ppb   |
| Thallium   | 205-1 | 0.89    | 0.88    | 0.84    | 0.87       | 2.97    | ppb   |
| Tin        | 118-1 | 4.61    | 4.49    | 4.71    | 4.60       | 2.41    | ppb   |
| Titanium   | 47-1  | 4.40    | 4.44    | 4.40    | 4.41       | 0.45    | ppb   |
| Uranium    | 238-1 | 0.82    | 0.83    | 0.84    | 0.83       | 1.25    | ppb   |
| Vanadium   | 51-2  | 4.56    | 4.41    | 4.76    | 4.58       | 3.89    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 2.40    | 2.18    | 1.79    | 2.12       | 14.37   | ppb   |
| Zirconium  | 90-1  | 0.84    | 0.79    | 0.87    | 0.83       | 4.87    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:43:41 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.89    | 0.93    | 0.72    | 0.85       | 13.40   | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:47:10 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 966.48  | 956.35  | 1065.08 | 995.97     | 6.03    | ppb   |
| Antimony   | 121-1 | 52.11   | 51.30   | 52.37   | 51.93      | 1.08    | ppb   |
| Arsenic    | 75-2  | 49.99   | 52.78   | 51.10   | 51.29      | 2.73    | ppb   |
| Barium     | 135-1 | 257.23  | 258.19  | 261.17  | 258.86     | 0.79    | ppb   |
| Barium     | 137-1 | 257.31  | 258.80  | 260.77  | 258.96     | 0.67    | ppb   |
| Beryllium  | 9-1   | 50.13   | 50.90   | 50.31   | 50.45      | 0.80    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 48.26   | 51.25   | 50.52   | 50.01      | 3.12    | ppb   |
| Boron      | 10-1  | 51.02   | 48.93   | 48.96   | 49.64      | 2.41    | ppb   |
| Cadmium    | 106-1 | 52.66   | 55.03   | 55.92   | 54.54      | 3.09    | ppb   |
| Cadmium    | 108-1 | 53.52   | 57.80   | 53.79   | 55.04      | 4.35    | ppb   |
| Cadmium    | 111-1 | 53.72   | 52.89   | 53.51   | 53.37      | 0.80    | ppb   |
| Calcium    | 43-1  | 5012.10 | 4911.03 | 4904.36 | 4942.50    | 1.22    | ppb   |
| Calcium    | 44-1  | 4975.20 | 5031.73 | 5114.14 | 5040.36    | 1.39    | ppb   |
| Chromium   | 52-2  | 50.54   | 55.31   | 53.09   | 52.98      | 4.51    | ppb   |
| Cobalt     | 59-2  | 50.98   | 53.60   | 52.81   | 52.47      | 2.56    | ppb   |
| Copper     | 63-2  | 101.12  | 107.35  | 104.91  | 104.46     | 3.00    | 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  | 2666.68 | 2871.94 | 2792.01 | 2776.88    | 3.73    | ppb   |
| Iron       | 57-2  | 2652.21 | 2797.31 | 2747.68 | 2732.40    | 2.70    | ppb   |
| Lead       | 206-1 | 49.06   | 49.08   | 49.31   | 49.15      | 0.28    | ppb   |
| Lead       | 207-1 | 48.77   | 49.37   | 49.05   | 49.06      | 0.61    | ppb   |
| Lead       | 208-1 | 48.77   | 49.14   | 49.14   | 49.02      | 0.44    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 5043.36 | 5398.33 | 5296.51 | 5246.07    | 3.48    | ppb   |
| Manganese  | 55-2  | 105.86  | 112.42  | 106.05  | 108.11     | 3.46    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:47:10 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 48.41   | 48.57   | 48.50   | 48.49      | 0.17    | ppb   |
| Molybdenum | 94-1  | 48.52   | 49.13   | 48.84   | 48.83      | 0.62    | ppb   |
| Molybdenum | 95-1  | 48.04   | 49.18   | 48.51   | 48.58      | 1.18    | ppb   |
| Molybdenum | 96-1  | 48.33   | 49.11   | 48.99   | 48.81      | 0.86    | ppb   |
| Molybdenum | 97-1  | 47.94   | 48.84   | 48.16   | 48.31      | 0.97    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 52.03   | 56.06   | 53.28   | 53.79      | 3.84    | ppb   |
| Phosphorus | 31-2  | 1162.12 | 1048.17 | 1043.83 | 1084.71    | 6.18    | ppb   |
| Potassium  | 39-2  | 2599.94 | 2856.38 | 2673.67 | 2710.00    | 4.87    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 54.28   | 58.13   | 39.82   | 50.74      | 19.03   | ppb   |
| Selenium   | 78-2  | 53.23   | 51.02   | 59.85   | 54.70      | 8.40    | ppb   |
| Selenium   | 82-1  | 51.27   | 51.72   | 51.86   | 51.61      | 0.60    | ppb   |
| Silicon    | 28-1  | 63.36   | 61.15   | 61.24   | 61.92      | 2.02    | ppb   |
| Silver     | 109-1 | 53.80   | 53.53   | 54.25   | 53.86      | 0.68    | ppb   |
| Silver     | 107-1 | 54.54   | 54.23   | 54.67   | 54.48      | 0.41    | ppb   |
| Sodium     | 23-2  | 4989.38 | 5343.43 | 5228.28 | 5187.03    | 3.48    | ppb   |
| Strontium  | 86-1  | 49.81   | 50.09   | 49.76   | 49.89      | 0.36    | ppb   |
| Strontium  | 88-1  | 50.62   | 50.76   | 50.68   | 50.69      | 0.14    | ppb   |
| Sulfur     | 34-1  | 950.59  | 902.21  | 1066.90 | 973.23     | 8.70    | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 48.95   | 49.85   | 49.60   | 49.47      | 0.94    | ppb   |
| Thallium   | 205-1 | 49.04   | 49.71   | 48.93   | 49.23      | 0.85    | ppb   |
| Tin        | 118-1 | 51.91   | 51.91   | 52.41   | 52.08      | 0.56    | ppb   |
| Titanium   | 47-1  | 51.01   | 49.93   | 51.14   | 50.69      | 1.30    | ppb   |
| Uranium    | 238-1 | 46.63   | 47.15   | 47.12   | 46.96      | 0.62    | ppb   |
| Vanadium   | 51-2  | 49.87   | 54.49   | 52.91   | 52.43      | 4.48    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 103.92  | 107.49  | 109.50  | 106.97     | 2.64    | ppb   |
| Zirconium  | 90-1  | 49.11   | 49.44   | 49.33   | 49.29      | 0.34    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:47:10 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 49.27   | 48.90   | 48.20   | 48.79      | 1.12    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:50:38 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2394.13  | 2404.04  | 2406.14  | 2401.44    | 0.27    | ppb   |
| Antimony   | 121-1 | 131.69   | 130.32   | 133.60   | 131.87     | 1.25    | ppb   |
| Arsenic    | 75-2  | 120.55   | 122.46   | 124.79   | 122.60     | 1.73    | ppb   |
| Barium     | 135-1 | 651.64   | 649.39   | 656.10   | 652.38     | 0.52    | ppb   |
| Barium     | 137-1 | 666.80   | 656.88   | 655.29   | 659.66     | 0.95    | ppb   |
| Beryllium  | 9-1   | 125.86   | 121.80   | 125.03   | 124.23     | 1.73    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 11-1  | 121.86   | 120.58   | 122.38   | 121.61     | 0.76    | ppb   |
| Boron      | 10-1  | 125.30   | 122.39   | 125.01   | 124.23     | 1.29    | ppb   |
| Cadmium    | 106-1 | 138.66   | 138.24   | 140.07   | 138.99     | 0.69    | ppb   |
| Cadmium    | 108-1 | 138.65   | 131.31   | 142.84   | 137.60     | 4.24    | ppb   |
| Cadmium    | 111-1 | 133.65   | 132.29   | 135.00   | 133.65     | 1.02    | ppb   |
| Calcium    | 43-1  | 12552.02 | 12305.12 | 12438.01 | 12431.72   | 0.99    | ppb   |
| Calcium    | 44-1  | 12515.63 | 12453.38 | 12367.90 | 12445.64   | 0.60    | ppb   |
| Chromium   | 52-2  | 126.63   | 127.68   | 125.78   | 126.70     | 0.75    | ppb   |
| Cobalt     | 59-2  | 125.96   | 125.66   | 125.66   | 125.76     | 0.14    | ppb   |
| Copper     | 63-2  | 251.81   | 249.42   | 252.58   | 251.27     | 0.66    | 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  | 6532.99  | 6546.64  | 6562.28  | 6547.30    | 0.22    | ppb   |
| Iron       | 57-2  | 6522.67  | 6450.99  | 6455.06  | 6476.24    | 0.62    | ppb   |
| Lead       | 206-1 | 123.08   | 125.88   | 122.83   | 123.93     | 1.37    | ppb   |
| Lead       | 207-1 | 122.77   | 123.65   | 120.38   | 122.26     | 1.39    | ppb   |
| Lead       | 208-1 | 123.39   | 124.35   | 122.12   | 123.28     | 0.91    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 12542.95 | 12508.46 | 12575.44 | 12542.28   | 0.27    | ppb   |
| Manganese  | 55-2  | 258.34   | 256.97   | 258.49   | 257.93     | 0.32    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:50:38 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 124.20   | 122.05   | 120.57   | 122.27     | 1.49    | ppb   |
| Molybdenum | 94-1  | 124.43   | 124.17   | 122.94   | 123.85     | 0.64    | ppb   |
| Molybdenum | 95-1  | 120.95   | 122.52   | 120.56   | 121.34     | 0.86    | ppb   |
| Molybdenum | 96-1  | 122.79   | 122.49   | 121.56   | 122.28     | 0.53    | ppb   |
| Molybdenum | 97-1  | 123.42   | 122.39   | 120.98   | 122.26     | 1.00    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 128.22   | 125.87   | 127.60   | 127.23     | 0.96    | ppb   |
| Phosphorus | 31-2  | 2307.75  | 2351.21  | 2496.04  | 2385.00    | 4.13    | ppb   |
| Potassium  | 39-2  | 6456.57  | 6403.90  | 6541.50  | 6467.32    | 1.07    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 96.30    | 116.48   | 114.13   | 108.97     | 10.13   | ppb   |
| Selenium   | 78-2  | 127.60   | 138.68   | 148.19   | 138.16     | 7.46    | ppb   |
| Selenium   | 82-1  | 129.64   | 129.74   | 126.91   | 128.76     | 1.25    | ppb   |
| Silicon    | 28-1  | 134.86   | 133.82   | 126.34   | 131.67     | 3.53    | ppb   |
| Silver     | 109-1 | 135.00   | 133.93   | 136.70   | 135.21     | 1.03    | ppb   |
| Silver     | 107-1 | 136.69   | 135.13   | 137.92   | 136.58     | 1.02    | ppb   |
| Sodium     | 23-2  | 12466.36 | 12356.98 | 12690.00 | 12504.45   | 1.36    | ppb   |
| Strontium  | 86-1  | 125.49   | 125.18   | 123.16   | 124.61     | 1.01    | ppb   |
| Strontium  | 88-1  | 127.61   | 128.93   | 126.27   | 127.60     | 1.04    | ppb   |
| Sulfur     | 34-1  | 2434.58  | 2586.79  | 2811.48  | 2610.95    | 7.26    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 123.07   | 124.83   | 121.98   | 123.29     | 1.17    | ppb   |
| Thallium   | 205-1 | 126.37   | 127.94   | 125.35   | 126.55     | 1.03    | ppb   |
| Tin        | 118-1 | 132.77   | 129.83   | 131.85   | 131.48     | 1.15    | ppb   |
| Titanium   | 47-1  | 127.35   | 125.55   | 125.82   | 126.24     | 0.77    | ppb   |
| Uranium    | 238-1 | 122.72   | 121.41   | 121.28   | 121.80     | 0.65    | ppb   |
| Vanadium   | 51-2  | 125.61   | 125.05   | 126.42   | 125.70     | 0.55    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 263.09   | 262.84   | 257.23   | 261.05     | 1.27    | ppb   |
| Zirconium  | 90-1  | 126.84   | 125.02   | 125.45   | 125.77     | 0.76    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:50:38 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 124.08  | 122.61  | 122.06  | 122.92     | 0.85    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:54:01 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4949.46  | 4837.96  | 5583.31  | 5123.57    | 7.85    | ppb   |
| Antimony   | 121-1 | 270.84   | 264.84   | 268.32   | 268.00     | 1.12    | ppb   |
| Arsenic    | 75-2  | 248.24   | 254.17   | 282.15   | 261.52     | 6.92    | ppb   |
| Barium     | 135-1 | 1334.40  | 1315.12  | 1318.45  | 1322.66    | 0.78    | ppb   |
| Barium     | 137-1 | 1314.55  | 1298.08  | 1298.39  | 1303.67    | 0.72    | ppb   |
| Beryllium  | 9-1   | 249.14   | 249.90   | 249.12   | 249.38     | 0.18    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 11-1  | 241.71   | 241.83   | 243.83   | 242.45     | 0.49    | ppb   |
| Boron      | 10-1  | 236.30   | 242.33   | 247.48   | 242.04     | 2.31    | ppb   |
| Cadmium    | 106-1 | 277.31   | 266.19   | 271.56   | 271.69     | 2.05    | ppb   |
| Cadmium    | 108-1 | 274.32   | 267.99   | 278.22   | 273.51     | 1.89    | ppb   |
| Cadmium    | 111-1 | 267.53   | 263.67   | 266.08   | 265.76     | 0.73    | ppb   |
| Calcium    | 43-1  | 24555.38 | 24329.20 | 24451.44 | 24445.34   | 0.46    | ppb   |
| Calcium    | 44-1  | 24448.50 | 24482.92 | 24634.40 | 24521.94   | 0.40    | ppb   |
| Chromium   | 52-2  | 259.38   | 251.61   | 290.31   | 267.10     | 7.67    | ppb   |
| Cobalt     | 59-2  | 256.21   | 252.12   | 287.25   | 265.19     | 7.24    | ppb   |
| Copper     | 63-2  | 514.31   | 501.72   | 572.53   | 529.52     | 7.13    | 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  | 13470.92 | 13085.48 | 14822.09 | 13792.83   | 6.61    | ppb   |
| Iron       | 57-2  | 13490.99 | 13055.40 | 14771.80 | 13772.73   | 6.48    | ppb   |
| Lead       | 206-1 | 245.58   | 247.01   | 250.55   | 247.71     | 1.03    | ppb   |
| Lead       | 207-1 | 243.38   | 245.87   | 248.55   | 245.93     | 1.05    | ppb   |
| Lead       | 208-1 | 248.32   | 249.42   | 251.73   | 249.82     | 0.70    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 25590.80 | 25342.68 | 28923.76 | 26619.08   | 7.51    | ppb   |
| Manganese  | 55-2  | 524.02   | 517.21   | 585.95   | 542.39     | 6.98    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:54:01 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 248.52   | 251.87   | 252.04   | 250.81     | 0.79    | ppb   |
| Molybdenum | 94-1  | 253.26   | 251.55   | 251.66   | 252.15     | 0.38    | ppb   |
| Molybdenum | 95-1  | 243.38   | 241.52   | 245.90   | 243.60     | 0.90    | ppb   |
| Molybdenum | 96-1  | 243.90   | 244.73   | 249.61   | 246.08     | 1.25    | ppb   |
| Molybdenum | 97-1  | 246.08   | 242.68   | 248.71   | 245.83     | 1.23    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 259.75   | 256.83   | 292.79   | 269.79     | 7.40    | ppb   |
| Phosphorus | 31-2  | 5055.10  | 5320.91  | 6144.95  | 5506.98    | 10.32   | ppb   |
| Potassium  | 39-2  | 13232.76 | 12902.25 | 14892.39 | 13675.80   | 7.80    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 287.18   | 241.77   | 335.56   | 288.17     | 16.28   | ppb   |
| Selenium   | 78-2  | 268.83   | 262.65   | 316.10   | 282.53     | 10.35   | ppb   |
| Selenium   | 82-1  | 255.45   | 256.67   | 260.06   | 257.39     | 0.93    | ppb   |
| Silicon    | 28-1  | 256.49   | 256.73   | 258.55   | 257.26     | 0.44    | ppb   |
| Silver     | 109-1 | 279.80   | 269.43   | 275.60   | 274.94     | 1.90    | ppb   |
| Silver     | 107-1 | 278.26   | 272.95   | 276.41   | 275.87     | 0.98    | ppb   |
| Sodium     | 23-2  | 26357.21 | 25912.41 | 29815.62 | 27361.75   | 7.81    | ppb   |
| Strontium  | 86-1  | 248.38   | 249.54   | 249.08   | 249.00     | 0.23    | ppb   |
| Strontium  | 88-1  | 251.97   | 252.96   | 253.93   | 252.95     | 0.39    | ppb   |
| Sulfur     | 34-1  | 5202.06  | 5025.17  | 5037.41  | 5088.22    | 1.94    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 251.46   | 248.46   | 254.13   | 251.35     | 1.13    | ppb   |
| Thallium   | 205-1 | 249.52   | 253.03   | 252.87   | 251.80     | 0.79    | ppb   |
| Tin        | 118-1 | 270.66   | 266.47   | 266.33   | 267.82     | 0.92    | ppb   |
| Titanium   | 47-1  | 252.38   | 250.60   | 250.86   | 251.28     | 0.38    | ppb   |
| Uranium    | 238-1 | 245.43   | 246.54   | 243.15   | 245.04     | 0.70    | ppb   |
| Vanadium   | 51-2  | 257.88   | 251.87   | 289.28   | 266.34     | 7.54    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 531.46   | 516.15   | 595.76   | 547.79     | 7.71    | ppb   |
| Zirconium  | 90-1  | 252.57   | 249.89   | 253.84   | 252.10     | 0.80    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:54:01 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 245.52  | 243.79  | 245.46  | 244.93     | 0.40    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:57:18 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9890.69  | 9680.28  | 9907.78  | 9826.25    | 1.29    | ppb   |
| Antimony   | 121-1 | 508.65   | 512.45   | 551.55   | 524.22     | 4.53    | ppb   |
| Arsenic    | 75-2  | 503.68   | 494.29   | 503.81   | 500.59     | 1.09    | ppb   |
| Barium     | 135-1 | 2529.33  | 2554.18  | 2703.79  | 2595.77    | 3.64    | ppb   |
| Barium     | 137-1 | 2539.41  | 2516.20  | 2710.47  | 2588.70    | 4.10    | ppb   |
| Beryllium  | 9-1   | 487.74   | 495.27   | 535.45   | 506.15     | 5.07    | ppb   |
| Bismuth    | 209-1 |          |          |          |            |         | %     |
| Bismuth    | 209-2 |          |          |          |            |         | %     |
| Boron      | 11-1  | 484.52   | 489.92   | 539.03   | 504.49     | 5.95    | ppb   |
| Boron      | 10-1  | 481.32   | 496.26   | 540.25   | 505.94     | 6.05    | ppb   |
| Cadmium    | 106-1 | 508.03   | 509.60   | 545.73   | 521.12     | 4.09    | ppb   |
| Cadmium    | 108-1 | 515.73   | 516.66   | 566.75   | 533.05     | 5.48    | ppb   |
| Cadmium    | 111-1 | 504.23   | 505.89   | 548.18   | 519.43     | 4.80    | ppb   |
| Calcium    | 43-1  | 48233.43 | 48530.02 | 52531.74 | 49765.06   | 4.82    | ppb   |
| Calcium    | 44-1  | 48149.55 | 48817.01 | 52479.53 | 49815.36   | 4.68    | ppb   |
| Chromium   | 52-2  | 511.93   | 511.60   | 505.88   | 509.80     | 0.67    | ppb   |
| Cobalt     | 59-2  | 504.40   | 509.04   | 501.53   | 504.99     | 0.75    | ppb   |
| Copper     | 63-2  | 1026.42  | 1031.10  | 1026.21  | 1027.91    | 0.27    | 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  | 26320.46 | 26510.98 | 26215.13 | 26348.85   | 0.57    | ppb   |
| Iron       | 57-2  | 25984.48 | 26348.38 | 26062.73 | 26131.86   | 0.73    | ppb   |
| Lead       | 206-1 | 493.02   | 504.63   | 555.82   | 517.82     | 6.45    | ppb   |
| Lead       | 207-1 | 498.10   | 509.40   | 542.71   | 516.74     | 4.49    | ppb   |
| Lead       | 208-1 | 497.33   | 505.15   | 544.62   | 515.70     | 4.92    | ppb   |
| Lithium    | 6-1   |          |          |          |            |         | %     |
| Magnesium  | 24-2  | 52538.08 | 52730.22 | 52180.79 | 52483.03   | 0.53    | ppb   |
| Manganese  | 55-2  | 1019.98  | 1023.62  | 1011.39  | 1018.33    | 0.62    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 11:57:18 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 506.82   | 500.60   | 541.61   | 516.34     | 4.28    | ppb   |
| Molybdenum | 94-1  | 502.39   | 505.67   | 541.90   | 516.65     | 4.24    | ppb   |
| Molybdenum | 95-1  | 505.93   | 491.82   | 537.94   | 511.90     | 4.62    | ppb   |
| Molybdenum | 96-1  | 509.44   | 499.79   | 545.19   | 518.14     | 4.62    | ppb   |
| Molybdenum | 97-1  | 493.91   | 491.12   | 531.63   | 505.55     | 4.48    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 514.44   | 514.07   | 506.82   | 511.78     | 0.84    | ppb   |
| Phosphorus | 31-2  | 10275.95 | 10872.58 | 10651.24 | 10599.93   | 2.85    | ppb   |
| Potassium  | 39-2  | 25794.95 | 25486.43 | 25372.71 | 25551.36   | 0.86    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 436.37   | 522.25   | 494.60   | 484.41     | 9.05    | ppb   |
| Selenium   | 78-2  | 510.72   | 531.32   | 508.84   | 516.96     | 2.41    | ppb   |
| Selenium   | 82-1  | 508.98   | 499.80   | 542.74   | 517.17     | 4.37    | ppb   |
| Silicon    | 28-1  | 504.64   | 511.85   | 565.97   | 527.49     | 6.35    | ppb   |
| Silver     | 109-1 | 516.03   | 515.50   | 558.82   | 530.12     | 4.69    | ppb   |
| Silver     | 107-1 | 520.85   | 521.76   | 552.66   | 531.76     | 3.41    | ppb   |
| Sodium     | 23-2  | 51753.82 | 51671.13 | 51055.98 | 51493.64   | 0.74    | ppb   |
| Strontium  | 86-1  | 492.49   | 491.63   | 527.36   | 503.83     | 4.05    | ppb   |
| Strontium  | 88-1  | 501.30   | 499.18   | 535.58   | 512.02     | 3.99    | ppb   |
| Sulfur     | 34-1  | 9984.50  | 9982.97  | 11718.32 | 10561.93   | 9.48    | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 497.95   | 502.52   | 546.97   | 515.81     | 5.25    | ppb   |
| Thallium   | 205-1 | 490.85   | 502.87   | 542.44   | 512.05     | 5.27    | ppb   |
| Tin        | 118-1 | 506.81   | 507.43   | 553.15   | 522.46     | 5.09    | ppb   |
| Titanium   | 47-1  | 500.06   | 496.20   | 542.46   | 512.91     | 5.00    | ppb   |
| Uranium    | 238-1 | 484.13   | 490.35   | 535.42   | 503.30     | 5.56    | ppb   |
| Vanadium   | 51-2  | 510.43   | 506.14   | 502.46   | 506.34     | 0.79    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 1019.33  | 1037.76  | 1015.74  | 1024.28    | 1.15    | ppb   |
| Zirconium  | 90-1  | 503.20   | 488.81   | 533.45   | 508.49     | 4.48    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 11:57:18 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 502.98  | 501.11  | 532.34  | 512.14     | 3.42    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:00:31 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 19125.70 | 20066.62  | 19399.26  | 19530.53   | 2.48    | ppb   |
| Antimony   | 121-1 | 967.36   | 974.51    | 1005.45   | 982.44     | 2.06    | ppb   |
| Arsenic    | 75-2  | 992.19   | 996.09    | 1002.89   | 997.06     | 0.54    | ppb   |
| Barium     | 135-1 | 4876.75  | 4896.68   | 5016.83   | 4930.09    | 1.54    | ppb   |
| Barium     | 137-1 | 4888.13  | 4863.80   | 5060.43   | 4937.45    | 2.17    | ppb   |
| Beryllium  | 9-1   | 970.57   | 997.10    | 1023.79   | 997.15     | 2.67    | ppb   |
| Bismuth    | 209-1 |          |           |           |            |         | %     |
| Bismuth    | 209-2 |          |           |           |            |         | %     |
| Boron      | 11-1  | 979.45   | 991.96    | 1029.09   | 1000.17    | 2.58    | ppb   |
| Boron      | 10-1  | 972.67   | 993.56    | 1031.48   | 999.24     | 2.98    | ppb   |
| Cadmium    | 106-1 | 965.67   | 976.40    | 1004.05   | 982.04     | 2.02    | ppb   |
| Cadmium    | 108-1 | 953.81   | 968.30    | 1005.21   | 975.77     | 2.72    | ppb   |
| Cadmium    | 111-1 | 959.47   | 980.96    | 1014.86   | 985.09     | 2.83    | ppb   |
| Calcium    | 43-1  | 96646.93 | 96817.32  | 102070.61 | 98511.62   | 3.13    | ppb   |
| Calcium    | 44-1  | 95478.26 | 94688.29  | 99396.89  | 96521.15   | 2.61    | ppb   |
| Chromium   | 52-2  | 968.60   | 1005.98   | 996.81    | 990.46     | 1.97    | ppb   |
| Cobalt     | 59-2  | 976.06   | 1004.58   | 999.82    | 993.49     | 1.54    | ppb   |
| Copper     | 63-2  | 1961.07  | 1989.53   | 1984.26   | 1978.28    | 0.77    | ppb   |
| Dysprosium | 156-1 |          |           |           |            |         | cps   |
| Dysprosium | 156-2 |          |           |           |            |         | cps   |
| Erbium     | 164-1 |          |           |           |            |         | cps   |
| Erbium     | 164-2 |          |           |           |            |         | cps   |
| Gadolinium | 160-1 |          |           |           |            |         | cps   |
| Gadolinium | 160-2 |          |           |           |            |         | cps   |
| Holmium    | 165-1 |          |           |           |            |         | %     |
| Holmium    | 165-2 |          |           |           |            |         | %     |
| Indium     | 115-1 |          |           |           |            |         | %     |
| Indium     | 115-2 |          |           |           |            |         | %     |
| Iron       | 56-2  | 49681.42 | 51623.24  | 51335.37  | 50880.01   | 2.06    | ppb   |
| Iron       | 57-2  | 49690.94 | 51518.95  | 51005.58  | 50738.49   | 1.86    | ppb   |
| Lead       | 206-1 | 971.07   | 979.70    | 1024.74   | 991.84     | 2.91    | ppb   |
| Lead       | 207-1 | 981.94   | 983.27    | 1013.90   | 993.04     | 1.82    | ppb   |
| Lead       | 208-1 | 980.12   | 981.64    | 1015.61   | 992.46     | 2.02    | ppb   |
| Lithium    | 6-1   |          |           |           |            |         | %     |
| Magnesium  | 24-2  | 99854.87 | 102448.88 | 102860.07 | 101721.27  | 1.60    | ppb   |
| Manganese  | 55-2  | 1939.30  | 2009.58   | 1987.64   | 1978.84    | 1.82    | ppb   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:00:31 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 977.56   | 981.68    | 1016.90   | 992.05     | 2.18    | ppb   |
| Molybdenum | 94-1  | 980.61   | 988.38    | 1005.06   | 991.35     | 1.26    | ppb   |
| Molybdenum | 95-1  | 988.29   | 986.70    | 1013.56   | 996.18     | 1.51    | ppb   |
| Molybdenum | 96-1  | 979.92   | 982.14    | 1014.89   | 992.32     | 1.97    | ppb   |
| Molybdenum | 97-1  | 992.27   | 986.55    | 1017.27   | 998.70     | 1.64    | ppb   |
| Neodymium  | 150-1 |          |           |           |            |         | cps   |
| Neodymium  | 150-2 |          |           |           |            |         | cps   |
| Nickel     | 60-2  | 969.88   | 1002.32   | 993.89    | 988.70     | 1.70    | ppb   |
| Phosphorus | 31-2  | 20193.26 | 19657.75  | 18899.28  | 19583.43   | 3.32    | ppb   |
| Potassium  | 39-2  | 48487.98 | 49992.38  | 49238.99  | 49239.78   | 1.53    | ppb   |
| Rhodium    | 103-1 |          |           |           |            |         | %     |
| Rhodium    | 103-2 |          |           |           |            |         | %     |
| Scandium   | 45-1  |          |           |           |            |         | %     |
| Scandium   | 45-2  |          |           |           |            |         | %     |
| Selenium   | 77-2  | 1044.27  | 969.34    | 987.05    | 1000.22    | 3.92    | ppb   |
| Selenium   | 78-2  | 981.47   | 992.18    | 970.84    | 981.50     | 1.09    | ppb   |
| Selenium   | 82-1  | 970.40   | 980.38    | 1016.27   | 989.02     | 2.44    | ppb   |
| Silicon    | 28-1  | 963.23   | 972.94    | 1012.99   | 983.05     | 2.68    | ppb   |
| Silver     | 109-1 | 963.71   | 966.21    | 1001.79   | 977.24     | 2.18    | ppb   |
| Silver     | 107-1 | 961.38   | 972.88    | 993.69    | 975.98     | 1.68    | ppb   |
| Sodium     | 23-2  | 99793.05 | 100700.33 | 101224.26 | 100572.55  | 0.72    | ppb   |
| Strontium  | 86-1  | 989.30   | 982.27    | 1023.60   | 998.39     | 2.22    | ppb   |
| Strontium  | 88-1  | 979.18   | 988.05    | 1011.45   | 992.89     | 1.68    | ppb   |
| Sulfur     | 34-1  | 19263.57 | 19213.61  | 20576.18  | 19684.45   | 3.93    | ppb   |
| Terbium    | 159-1 |          |           |           |            |         | %     |
| Terbium    | 159-2 |          |           |           |            |         | %     |
| Thallium   | 203-1 | 976.58   | 991.68    | 1007.72   | 992.00     | 1.57    | ppb   |
| Thallium   | 205-1 | 979.53   | 984.07    | 1016.50   | 993.37     | 2.03    | ppb   |
| Tin        | 118-1 | 967.66   | 981.67    | 1000.87   | 983.40     | 1.70    | ppb   |
| Titanium   | 47-1  | 985.27   | 980.61    | 1013.23   | 993.04     | 1.78    | ppb   |
| Uranium    | 238-1 | 990.17   | 983.21    | 1027.04   | 1000.14    | 2.36    | ppb   |
| Vanadium   | 51-2  | 972.37   | 1006.60   | 998.64    | 992.54     | 1.80    | ppb   |
| Yttrium    | 89-1  |          |           |           |            |         | %     |
| Yttrium    | 89-2  |          |           |           |            |         | %     |
| Zinc       | 66-2  | 1950.28  | 1987.01   | 1985.27   | 1974.18    | 1.05    | ppb   |
| Zirconium  | 90-1  | 976.13   | 984.09    | 1025.29   | 995.17     | 2.65    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:00:31 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 977.05  | 993.40  | 1016.10 | 995.52     | 1.97    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:03:38 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 97633.30  | 102684.47 | 100005.02 | 100107.60  | 2.52    | ppb   |
| Antimony   | 121-1 | 2.07      | 2.12      | 2.27      | 2.16       | 4.85    | ppb   |
| Arsenic    | 75-2  | 0.24      | 0.25      | 0.22      | 0.24       | 6.10    | ppb   |
| Barium     | 135-1 | 1.68      | 1.62      | 1.56      | 1.62       | 3.60    | ppb   |
| Barium     | 137-1 | 1.57      | 1.60      | 1.61      | 1.59       | 1.39    | ppb   |
| Beryllium  | 9-1   | 0.29      | 0.27      | 0.19      | 0.25       | 20.83   | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 11-1  | 33.02     | 31.07     | 29.85     | 31.31      | 5.12    | ppb   |
| Boron      | 10-1  | 31.88     | 30.48     | 33.63     | 32.00      | 4.94    | ppb   |
| Cadmium    | 106-1 | 0.35      | 0.16      | 1.41      | 0.64       | 105.33  | ppb   |
| Cadmium    | 108-1 | 0.21      | 0.12      | 0.43      | 0.25       | 63.99   | ppb   |
| Cadmium    | 111-1 | 0.16      | 0.15      | 0.22      | 0.18       | 22.63   | ppb   |
| Calcium    | 43-1  | 489749.22 | 492116.08 | 519188.43 | 500351.24  | 3.27    | ppb   |
| Calcium    | 44-1  | 489924.58 | 494833.61 | 517459.29 | 500739.16  | 2.93    | ppb   |
| Chromium   | 52-2  | 3.66      | 3.68      | 3.42      | 3.59       | 3.95    | ppb   |
| Cobalt     | 59-2  | 1.12      | 1.18      | 1.22      | 1.17       | 4.24    | ppb   |
| Copper     | 63-2  | 2.83      | 2.76      | 2.84      | 2.81       | 1.48    | 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  | 246848.84 | 249766.37 | 252227.60 | 249614.27  | 1.08    | ppb   |
| Iron       | 57-2  | 245052.04 | 254328.94 | 249621.52 | 249667.50  | 1.86    | ppb   |
| Lead       | 206-1 | 1.92      | 1.85      | 1.92      | 1.90       | 2.28    | ppb   |
| Lead       | 207-1 | 1.72      | 1.78      | 1.84      | 1.78       | 3.14    | ppb   |
| Lead       | 208-1 | 1.83      | 1.81      | 1.91      | 1.85       | 2.82    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 489859.92 | 504738.72 | 503370.43 | 499323.03  | 1.65    | ppb   |
| Manganese  | 55-2  | 5.19      | 4.18      | 4.62      | 4.66       | 10.84   | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:03:38 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.96      | 1.02      | 1.09      | 1.02       | 6.63    | ppb   |
| Molybdenum | 94-1  | 0.44      | 0.45      | 0.44      | 0.44       | 1.32    | ppb   |
| Molybdenum | 95-1  | 1.11      | 1.06      | 1.02      | 1.06       | 4.05    | ppb   |
| Molybdenum | 96-1  | 1.26      | 1.42      | 1.41      | 1.36       | 6.45    | ppb   |
| Molybdenum | 97-1  | 1.00      | 1.07      | 1.01      | 1.03       | 3.69    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 2.16      | 2.58      | 2.38      | 2.37       | 8.68    | ppb   |
| Phosphorus | 31-2  | -14.23    | 3.39      | 38.46     | 9.21       | 291.25  | ppb   |
| Potassium  | 39-2  | 244673.66 | 252566.32 | 252852.07 | 250030.68  | 1.86    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 0.00      | 4.17      | 0.00      | 1.39       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.65     | 0.02      | 2.08      | 0.48       | 294.57  | ppb   |
| Selenium   | 82-1  | 0.86      | 0.68      | 0.70      | 0.75       | 13.07   | ppb   |
| Silicon    | 28-1  | 131.60    | 150.25    | 166.85    | 149.57     | 11.79   | ppb   |
| Silver     | 109-1 | 0.09      | 0.08      | 0.09      | 0.09       | 2.52    | ppb   |
| Silver     | 107-1 | 0.10      | 0.08      | 0.08      | 0.09       | 13.40   | ppb   |
| Sodium     | 23-2  | 492558.25 | 506246.88 | 500043.18 | 499616.10  | 1.37    | ppb   |
| Strontium  | 86-1  | 32.87     | 33.83     | 35.16     | 33.95      | 3.38    | ppb   |
| Strontium  | 88-1  | 33.93     | 34.39     | 35.64     | 34.66      | 2.55    | ppb   |
| Sulfur     | 34-1  | 17.73     | 7.84      | 553.22    | 192.93     | 161.75  | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 0.32      | 0.31      | 0.28      | 0.31       | 6.92    | ppb   |
| Thallium   | 205-1 | 0.32      | 0.29      | 0.30      | 0.30       | 5.84    | ppb   |
| Tin        | 118-1 | 0.70      | 0.67      | 0.70      | 0.69       | 2.86    | ppb   |
| Titanium   | 47-1  | 0.57      | 0.71      | 0.68      | 0.65       | 11.15   | ppb   |
| Uranium    | 238-1 | 0.07      | 0.06      | 0.07      | 0.07       | 8.25    | ppb   |
| Vanadium   | 51-2  | 0.37      | 0.39      | 0.37      | 0.38       | 3.57    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 6.46      | 7.43      | 7.13      | 7.00       | 7.09    | ppb   |
| Zirconium  | 90-1  | 0.17      | 0.16      | 0.19      | 0.18       | 9.62    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:03:38 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.17    | 0.21    | 0.25    | 0.21       | 18.81   | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:06:58 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 507.82  | 517.52  | 540.36  | 521.90     | 3.20    | ppb   |
| Antimony   | 121-1 | 200.40  | 206.88  | 202.72  | 203.34     | 1.62    | ppb   |
| Arsenic    | 75-2  | 195.67  | 198.31  | 200.91  | 198.30     | 1.32    | ppb   |
| Barium     | 135-1 | 98.84   | 102.08  | 99.84   | 100.26     | 1.66    | ppb   |
| Barium     | 137-1 | 99.63   | 103.01  | 100.72  | 101.12     | 1.71    | ppb   |
| Beryllium  | 9-1   | 94.01   | 96.42   | 97.31   | 95.91      | 1.78    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 463.43  | 488.30  | 493.41  | 481.71     | 3.33    | ppb   |
| Boron      | 10-1  | 462.32  | 472.51  | 491.00  | 475.28     | 3.06    | ppb   |
| Cadmium    | 106-1 | 156.09  | 153.78  | 154.21  | 154.69     | 0.79    | ppb   |
| Cadmium    | 108-1 | 129.76  | 136.26  | 133.30  | 133.11     | 2.44    | ppb   |
| Cadmium    | 111-1 | 103.66  | 105.41  | 103.07  | 104.05     | 1.17    | ppb   |
| Calcium    | 43-1  | 2079.16 | 2157.85 | 2118.90 | 2118.64    | 1.86    | ppb   |
| Calcium    | 44-1  | 2060.77 | 2090.34 | 2087.31 | 2079.47    | 0.78    | ppb   |
| Chromium   | 52-2  | 99.04   | 100.57  | 99.76   | 99.79      | 0.77    | ppb   |
| Cobalt     | 59-2  | 100.09  | 101.58  | 101.38  | 101.02     | 0.80    | ppb   |
| Copper     | 63-2  | 100.27  | 102.91  | 101.77  | 101.65     | 1.30    | 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  | 1031.94 | 1045.86 | 1038.71 | 1038.84    | 0.67    | ppb   |
| Iron       | 57-2  | 1036.89 | 1064.13 | 1072.81 | 1057.94    | 1.77    | ppb   |
| Lead       | 206-1 | 198.42  | 205.42  | 200.35  | 201.40     | 1.79    | ppb   |
| Lead       | 207-1 | 190.14  | 194.66  | 191.83  | 192.21     | 1.19    | ppb   |
| Lead       | 208-1 | 197.39  | 202.87  | 199.47  | 199.91     | 1.38    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1190.75 | 1239.19 | 1220.83 | 1216.92    | 2.01    | ppb   |
| Manganese  | 55-2  | 101.56  | 103.11  | 102.74  | 102.47     | 0.79    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:06:58 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 496.28  | 499.17  | 487.55  | 494.33     | 1.22    | ppb   |
| Molybdenum | 94-1  | 492.34  | 489.78  | 490.14  | 490.75     | 0.28    | ppb   |
| Molybdenum | 95-1  | 496.98  | 496.11  | 496.91  | 496.67     | 0.10    | ppb   |
| Molybdenum | 96-1  | 500.68  | 505.05  | 495.52  | 500.42     | 0.95    | ppb   |
| Molybdenum | 97-1  | 484.62  | 486.63  | 479.94  | 483.73     | 0.71    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 102.64  | 105.32  | 106.10  | 104.69     | 1.73    | ppb   |
| Phosphorus | 31-2  | -14.23  | 53.76   | 36.38   | 25.31      | 139.57  | ppb   |
| Potassium  | 39-2  | 1996.84 | 2080.53 | 2090.75 | 2056.04    | 2.51    | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 211.85  | 161.00  | 177.91  | 183.59     | 14.11   | ppb   |
| Selenium   | 78-2  | 208.04  | 226.40  | 211.75  | 215.40     | 4.51    | ppb   |
| Selenium   | 82-1  | 204.10  | 202.44  | 203.11  | 203.22     | 0.41    | ppb   |
| Silicon    | 28-1  | 507.38  | 510.18  | 518.47  | 512.01     | 1.13    | ppb   |
| Silver     | 109-1 | 100.26  | 103.97  | 100.86  | 101.70     | 1.96    | ppb   |
| Silver     | 107-1 | 101.04  | 104.36  | 102.22  | 102.54     | 1.64    | ppb   |
| Sodium     | 23-2  | 2126.32 | 2145.23 | 2138.41 | 2136.65    | 0.45    | ppb   |
| Strontium  | 86-1  | 485.62  | 487.88  | 489.13  | 487.54     | 0.36    | ppb   |
| Strontium  | 88-1  | 495.96  | 495.08  | 495.63  | 495.55     | 0.09    | ppb   |
| Sulfur     | 34-1  | -567.75 | -393.24 | -451.07 | -470.69    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 199.13  | 205.18  | 202.24  | 202.18     | 1.49    | ppb   |
| Thallium   | 205-1 | 204.28  | 211.96  | 206.65  | 207.63     | 1.89    | ppb   |
| Tin        | 118-1 | 505.15  | 518.33  | 505.62  | 509.70     | 1.47    | ppb   |
| Titanium   | 47-1  | 490.18  | 490.62  | 497.51  | 492.77     | 0.83    | ppb   |
| Uranium    | 238-1 | 513.33  | 530.93  | 522.05  | 522.10     | 1.69    | ppb   |
| Vanadium   | 51-2  | 99.13   | 99.23   | 101.00  | 99.79      | 1.06    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 208.09  | 211.92  | 205.96  | 208.65     | 1.45    | ppb   |
| Zirconium  | 90-1  | 483.96  | 490.51  | 484.54  | 486.34     | 0.75    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB89739             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2017-08-25 12:06:58 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 489.11  | 490.92  | 492.04  | 490.69     | 0.30    | ppb   |



LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P8  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 12:10:03 DataFile Name : 013CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -2.49   | -1.23   | -1.21   | -1.64      |         | ppb   |
| Antimony   | 121-1 | 0.18    | 0.18    | 0.20    | 0.19       | 7.54    | ppb   |
| Arsenic    | 75-2  | 0.02    | -0.04   | 0.01    | 0.00       |         | ppb   |
| Barium     | 135-1 | -0.01   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Barium     | 137-1 | -0.02   | -0.02   | -0.01   | -0.02      |         | ppb   |
| Beryllium  | 9-1   | 0.09    | 0.07    | 0.06    | 0.07       | 23.95   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 22.27   | 22.03   | 20.17   | 21.49      | 5.36    | ppb   |
| Boron      | 10-1  | 23.57   | 21.67   | 20.89   | 22.04      | 6.25    | ppb   |
| Cadmium    | 106-1 | 0.84    | 0.21    | -0.78   | 0.09       | 900.51  | ppb   |
| Cadmium    | 108-1 | 0.09    | -0.02   | 0.00    | 0.02       | 253.54  | ppb   |
| Cadmium    | 111-1 | 0.05    | 0.02    | -0.05   | 0.01       | 728.01  | ppb   |
| Calcium    | 43-1  | -10.82  | -10.41  | -2.44   | -7.89      |         | ppb   |
| Calcium    | 44-1  | 4.13    | 5.83    | 5.19    | 5.05       | 17.03   | ppb   |
| Chromium   | 52-2  | -0.13   | -0.11   | -0.10   | -0.11      |         | ppb   |
| Cobalt     | 59-2  | -0.02   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.05    | 0.04    | 0.07    | 0.05       | 30.17   | 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  | 1.03    | 1.22    | 1.15    | 1.13       | 8.53    | ppb   |
| Iron       | 57-2  | 0.54    | -0.82   | -0.43   | -0.23      |         | ppb   |
| Lead       | 206-1 | 0.05    | 0.08    | 0.05    | 0.06       | 27.37   | ppb   |
| Lead       | 207-1 | 0.08    | 0.03    | 0.06    | 0.06       | 44.71   | ppb   |
| Lead       | 208-1 | 0.06    | 0.06    | 0.05    | 0.06       | 9.26    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 3.13    | 0.68    | 2.28    | 2.03       | 61.14   | ppb   |
| Manganese  | 55-2  | -0.08   | -0.09   | -0.04   | -0.07      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:10:03 | DataFile Name :   | 013CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.04    | 0.05    | 0.04    | 0.05       | 14.70   | ppb   |
| Molybdenum | 94-1  | 0.03    | 0.02    | 0.04    | 0.03       | 33.28   | ppb   |
| Molybdenum | 95-1  | 0.07    | 0.05    | 0.06    | 0.06       | 16.19   | ppb   |
| Molybdenum | 96-1  | 0.04    | 0.04    | 0.03    | 0.04       | 15.49   | ppb   |
| Molybdenum | 97-1  | 0.06    | 0.06    | 0.08    | 0.07       | 18.27   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.02    | -0.01   | -0.11   | -0.03      |         | ppb   |
| Phosphorus | 31-2  | 2.60    | 2.91    | 3.03    | 2.85       | 7.91    | ppb   |
| Potassium  | 39-2  | 25.28   | -2.22   | 11.74   | 11.60      | 118.53  | 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  | 0.66    | 0.00    | 0.66    | 0.44       | 86.06   | ppb   |
| Selenium   | 82-1  | -0.06   | 0.82    | 0.75    | 0.50       | 96.35   | ppb   |
| Silicon    | 28-1  | -15.52  | -13.88  | -14.61  | -14.67     |         | ppb   |
| Silver     | 109-1 | 0.02    | 0.02    | 0.01    | 0.02       | 17.98   | ppb   |
| Silver     | 107-1 | 0.01    | 0.02    | 0.02    | 0.02       | 9.86    | ppb   |
| Sodium     | 23-2  | 82.09   | 76.78   | 73.14   | 77.34      | 5.82    | ppb   |
| Strontium  | 86-1  | 0.01    | 0.04    | 0.00    | 0.02       | 145.50  | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.01    | 0.00       | 138.37  | ppb   |
| Sulfur     | 34-1  | -865.03 | -912.72 | -928.67 | -902.14    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.06    | 0.06    | 0.06    | 0.06       | 3.43    | ppb   |
| Thallium   | 205-1 | 0.07    | 0.07    | 0.07    | 0.07       | 2.77    | ppb   |
| Tin        | 118-1 | 0.32    | 0.24    | 0.28    | 0.28       | 13.73   | ppb   |
| Titanium   | 47-1  | 0.10    | 0.07    | 0.03    | 0.07       | 53.11   | ppb   |
| Uranium    | 238-1 | 0.01    | 0.01    | 0.01    | 0.01       | 26.66   | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.01    | 0.00    | 0.00       | 492.75  | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.14    | 0.03    | 0.19    | 0.12       | 66.92   | ppb   |
| Zirconium  | 90-1  | 0.01    | 0.01    | 0.01    | 0.01       | 9.86    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:10:03 | DataFile Name :   | 013CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.02    | 0.01    | 0.01    | 0.01       | 35.87   | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P8  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 12:13:12 DataFile Name : 014ICSA01.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 92221.33  | 89589.06  | 90766.29  | 90858.90   | 1.45    | ppb   |
| Antimony   | 121-1 | 1.22      | 1.22      | 1.26      | 1.23       | 1.94    | ppb   |
| Arsenic    | 75-2  | 0.43      | 0.28      | 0.34      | 0.35       | 21.64   | ppb   |
| Barium     | 135-1 | 1.33      | 1.47      | 1.42      | 1.41       | 4.79    | ppb   |
| Barium     | 137-1 | 1.53      | 1.41      | 1.40      | 1.45       | 4.91    | ppb   |
| Beryllium  | 9-1   | 0.28      | 0.27      | 0.30      | 0.28       | 5.22    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 11-1  | 17.14     | 16.96     | 17.07     | 17.06      | 0.54    | ppb   |
| Boron      | 10-1  | 17.94     | 20.44     | 15.96     | 18.11      | 12.39   | ppb   |
| Cadmium    | 106-1 | -0.10     | -0.25     | -0.23     | -0.19      |         | ppb   |
| Cadmium    | 108-1 | 6.31      | 6.95      | 6.45      | 6.57       | 5.12    | ppb   |
| Cadmium    | 111-1 | 0.27      | 0.27      | 0.25      | 0.26       | 3.40    | ppb   |
| Calcium    | 43-1  | 97015.51  | 97575.07  | 97672.55  | 97421.04   | 0.36    | ppb   |
| Calcium    | 44-1  | 94688.02  | 95764.61  | 95640.08  | 95364.24   | 0.62    | ppb   |
| Chromium   | 52-2  | 20.10     | 19.80     | 19.25     | 19.71      | 2.19    | ppb   |
| Cobalt     | 59-2  | 1.10      | 1.08      | 1.12      | 1.10       | 2.02    | ppb   |
| Copper     | 63-2  | 7.92      | 7.59      | 7.78      | 7.76       | 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  | 102428.57 | 99275.74  | 101601.55 | 101101.95  | 1.62    | ppb   |
| Iron       | 57-2  | 104841.16 | 100910.81 | 101932.08 | 102561.35  | 1.99    | ppb   |
| Lead       | 206-1 | 4.50      | 4.58      | 4.58      | 4.55       | 1.03    | ppb   |
| Lead       | 207-1 | 4.00      | 3.94      | 4.03      | 3.99       | 1.15    | ppb   |
| Lead       | 208-1 | 4.16      | 4.17      | 4.18      | 4.17       | 0.17    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 101811.05 | 99347.35  | 98844.36  | 100000.92  | 1.59    | ppb   |
| Manganese  | 55-2  | 7.79      | 7.26      | 7.57      | 7.54       | 3.59    | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB89739             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-08-25 12:13:12 | DataFile Name :   | 014ICSA01.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 1843.70   | 1854.82   | 1858.93   | 1852.48    | 0.43    | ppb   |
| Molybdenum | 94-1  | 568.27    | 565.48    | 566.30    | 566.68     | 0.25    | ppb   |
| Molybdenum | 95-1  | 1839.95   | 1837.37   | 1831.18   | 1836.17    | 0.25    | ppb   |
| Molybdenum | 96-1  | 1536.96   | 1552.47   | 1538.76   | 1542.73    | 0.55    | ppb   |
| Molybdenum | 97-1  | 1844.72   | 1842.64   | 1827.70   | 1838.35    | 0.50    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 5.44      | 5.30      | 5.41      | 5.38       | 1.36    | ppb   |
| Phosphorus | 31-2  | 97414.59  | 95785.59  | 96091.03  | 96430.40   | 0.90    | ppb   |
| Potassium  | 39-2  | 102191.28 | 100343.66 | 101186.80 | 101240.58  | 0.91    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 0.00      | 8.23      | 0.00      | 2.74       | 173.21  | ppb   |
| Selenium   | 78-2  | 0.00      | 0.68      | 0.01      | 0.23       | 170.37  | ppb   |
| Selenium   | 82-1  | 0.49      | 0.64      | 0.16      | 0.43       | 57.54   | ppb   |
| Silicon    | 28-1  | 18.37     | 17.20     | 15.77     | 17.11      | 7.59    | ppb   |
| Silver     | 109-1 | 0.19      | 0.17      | 0.17      | 0.18       | 7.06    | ppb   |
| Silver     | 107-1 | 0.16      | 0.17      | 0.19      | 0.17       | 9.31    | ppb   |
| Sodium     | 23-2  | 101982.97 | 98608.87  | 99487.01  | 100026.28  | 1.75    | ppb   |
| Strontium  | 86-1  | 31.40     | 31.55     | 31.72     | 31.56      | 0.50    | ppb   |
| Strontium  | 88-1  | 32.31     | 32.31     | 32.36     | 32.32      | 0.10    | ppb   |
| Sulfur     | 34-1  | 72247.32  | 73127.61  | 73338.11  | 72904.35   | 0.79    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 0.12      | 0.14      | 0.12      | 0.13       | 8.34    | ppb   |
| Thallium   | 205-1 | 0.14      | 0.12      | 0.13      | 0.13       | 4.45    | ppb   |
| Tin        | 118-1 | 0.33      | 0.34      | 0.29      | 0.32       | 8.69    | ppb   |
| Titanium   | 47-1  | 1947.41   | 1967.54   | 1954.33   | 1956.43    | 0.52    | ppb   |
| Uranium    | 238-1 | 0.02      | 0.01      | 0.02      | 0.02       | 31.27   | ppb   |
| Vanadium   | 51-2  | 0.15      | 0.14      | 0.15      | 0.15       | 3.09    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 12.05     | 12.41     | 11.91     | 12.12      | 2.12    | ppb   |
| Zirconium  | 90-1  | 0.12      | 0.17      | 0.13      | 0.14       | 18.58   | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB89739             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2017-08-25 12:13:12 | DataFile Name :   | 014ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.13    | 0.17    | 0.14    | 0.15       | 16.94   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:16:17 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 93327.68  | 91898.11  | 92269.48  | 92498.43   | 0.80    | ppb   |
| Antimony   | 121-1 | 22.91     | 20.43     | 20.83     | 21.39      | 6.23    | ppb   |
| Arsenic    | 75-2  | 18.64     | 19.30     | 19.60     | 19.18      | 2.57    | ppb   |
| Barium     | 135-1 | 24.10     | 21.52     | 21.36     | 22.33      | 6.88    | ppb   |
| Barium     | 137-1 | 24.23     | 21.29     | 21.56     | 22.36      | 7.26    | ppb   |
| Beryllium  | 9-1   | 22.54     | 19.72     | 19.80     | 20.69      | 7.78    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 11-1  | 55.28     | 49.31     | 49.57     | 51.39      | 6.57    | ppb   |
| Boron      | 10-1  | 55.95     | 47.91     | 51.13     | 51.67      | 7.83    | ppb   |
| Cadmium    | 106-1 | 23.87     | 21.81     | 21.34     | 22.34      | 6.04    | ppb   |
| Cadmium    | 108-1 | 32.58     | 26.76     | 26.65     | 28.66      | 11.83   | ppb   |
| Cadmium    | 111-1 | 21.76     | 20.10     | 19.60     | 20.49      | 5.51    | ppb   |
| Calcium    | 43-1  | 107984.91 | 95772.09  | 97020.74  | 100259.24  | 6.70    | ppb   |
| Calcium    | 44-1  | 106523.15 | 95147.08  | 95157.53  | 98942.58   | 6.64    | ppb   |
| Chromium   | 52-2  | 40.70     | 40.44     | 40.14     | 40.43      | 0.69    | ppb   |
| Cobalt     | 59-2  | 21.65     | 21.93     | 21.35     | 21.64      | 1.34    | ppb   |
| Copper     | 63-2  | 28.76     | 28.28     | 28.11     | 28.39      | 1.18    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           |            |         | %     |
| Holmium    | 165-2 |           |           |           |            |         | %     |
| Indium     | 115-1 |           |           |           |            |         | %     |
| Indium     | 115-2 |           |           |           |            |         | %     |
| Iron       | 56-2  | 103926.24 | 103212.48 | 101580.16 | 102906.29  | 1.17    | ppb   |
| Iron       | 57-2  | 104954.60 | 104142.10 | 103385.56 | 104160.75  | 0.75    | ppb   |
| Lead       | 206-1 | 27.35     | 24.76     | 24.85     | 25.65      | 5.74    | ppb   |
| Lead       | 207-1 | 25.67     | 22.66     | 22.88     | 23.74      | 7.07    | ppb   |
| Lead       | 208-1 | 26.29     | 23.48     | 23.63     | 24.47      | 6.47    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 103089.95 | 101261.70 | 100931.92 | 101761.19  | 1.14    | ppb   |
| Manganese  | 55-2  | 28.91     | 27.61     | 27.66     | 28.06      | 2.62    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:16:17 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 2117.48   | 1923.08   | 1908.57   | 1983.04    | 5.88    | ppb   |
| Molybdenum | 94-1  | 683.41    | 610.27    | 613.09    | 635.59     | 6.52    | ppb   |
| Molybdenum | 95-1  | 2106.64   | 1891.07   | 1908.55   | 1968.75    | 6.08    | ppb   |
| Molybdenum | 96-1  | 1784.08   | 1592.70   | 1589.11   | 1655.30    | 6.74    | ppb   |
| Molybdenum | 97-1  | 2117.53   | 1908.37   | 1902.56   | 1976.16    | 6.20    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 25.99     | 25.96     | 26.80     | 26.25      | 1.82    | ppb   |
| Phosphorus | 31-2  | 98325.47  | 99663.15  | 96566.35  | 98184.99   | 1.58    | ppb   |
| Potassium  | 39-2  | 102519.26 | 104209.86 | 102071.64 | 102933.59  | 1.10    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 28.52     | 24.16     | 28.54     | 27.07      | 9.33    | ppb   |
| Selenium   | 78-2  | 19.77     | 20.17     | 18.46     | 19.47      | 4.60    | ppb   |
| Selenium   | 82-1  | 21.44     | 19.62     | 19.93     | 20.33      | 4.79    | ppb   |
| Silicon    | 28-1  | 84.88     | 61.45     | 58.85     | 68.39      | 20.96   | ppb   |
| Silver     | 109-1 | 21.36     | 18.77     | 18.98     | 19.70      | 7.30    | ppb   |
| Silver     | 107-1 | 21.36     | 18.89     | 19.21     | 19.82      | 6.77    | ppb   |
| Sodium     | 23-2  | 102510.77 | 101317.88 | 100811.77 | 101546.81  | 0.86    | ppb   |
| Strontium  | 86-1  | 76.63     | 67.04     | 68.10     | 70.59      | 7.45    | ppb   |
| Strontium  | 88-1  | 78.65     | 70.38     | 70.59     | 73.21      | 6.45    | ppb   |
| Sulfur     | 34-1  | 82004.16  | 71919.67  | 72989.45  | 75637.76   | 7.32    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 22.45     | 19.61     | 20.34     | 20.80      | 7.09    | ppb   |
| Thallium   | 205-1 | 22.52     | 20.03     | 20.39     | 20.98      | 6.40    | ppb   |
| Tin        | 118-1 | 41.48     | 37.17     | 37.21     | 38.62      | 6.41    | ppb   |
| Titanium   | 47-1  | 2221.04   | 1979.16   | 1998.12   | 2066.10    | 6.51    | ppb   |
| Uranium    | 238-1 | 40.39     | 36.19     | 36.50     | 37.69      | 6.22    | ppb   |
| Vanadium   | 51-2  | 20.26     | 19.80     | 20.66     | 20.24      | 2.12    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 32.25     | 31.05     | 32.47     | 31.92      | 2.39    | ppb   |
| Zirconium  | 90-1  | 40.67     | 36.38     | 36.32     | 37.79      | 6.59    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:16:17 | DataFile Name :   | 015ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 40.37   | 35.58   | 36.00   | 37.31      | 7.11    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV53               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV53               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 12:19:20 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 51324.55  | 50908.33  | 50677.32  | 50970.06   | 0.64    | ppb   |
| Antimony   | 121-1 | 516.73    | 510.78    | 502.17    | 509.89     | 1.44    | ppb   |
| Arsenic    | 75-2  | 495.21    | 500.85    | 498.38    | 498.15     | 0.57    | ppb   |
| Barium     | 135-1 | 2565.80   | 2583.26   | 2551.43   | 2566.83    | 0.62    | ppb   |
| Barium     | 137-1 | 2552.11   | 2558.68   | 2557.55   | 2556.11    | 0.14    | ppb   |
| Beryllium  | 9-1   | 506.63    | 506.38    | 509.29    | 507.43     | 0.32    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 11-1  | 507.25    | 516.83    | 519.92    | 514.67     | 1.28    | ppb   |
| Boron      | 10-1  | 506.33    | 509.02    | 520.31    | 511.88     | 1.45    | ppb   |
| Cadmium    | 106-1 | 516.76    | 496.16    | 506.69    | 506.53     | 2.03    | ppb   |
| Cadmium    | 108-1 | 512.15    | 511.21    | 502.49    | 508.62     | 1.05    | ppb   |
| Cadmium    | 111-1 | 495.85    | 490.21    | 490.27    | 492.11     | 0.66    | ppb   |
| Calcium    | 43-1  | 246792.90 | 247369.35 | 243426.38 | 245862.88  | 0.87    | ppb   |
| Calcium    | 44-1  | 246003.94 | 244893.43 | 243155.55 | 244684.31  | 0.59    | ppb   |
| Chromium   | 52-2  | 524.00    | 511.00    | 514.38    | 516.46     | 1.31    | ppb   |
| Cobalt     | 59-2  | 504.43    | 495.65    | 493.79    | 497.96     | 1.14    | ppb   |
| Copper     | 63-2  | 1008.30   | 994.05    | 993.84    | 998.73     | 0.83    | 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  | 128037.33 | 125168.64 | 125770.22 | 126325.40  | 1.20    | ppb   |
| Iron       | 57-2  | 131430.65 | 128139.39 | 127057.23 | 128875.76  | 1.77    | ppb   |
| Lead       | 206-1 | 511.98    | 515.38    | 524.12    | 517.16     | 1.21    | ppb   |
| Lead       | 207-1 | 513.46    | 521.96    | 520.32    | 518.58     | 0.87    | ppb   |
| Lead       | 208-1 | 511.34    | 518.00    | 522.43    | 517.26     | 1.08    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 258371.79 | 253262.66 | 252681.67 | 254772.04  | 1.23    | ppb   |
| Manganese  | 55-2  | 1043.33   | 1020.13   | 1033.16   | 1032.21    | 1.13    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV53               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV53               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 12:19:20 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 512.02    | 512.35    | 510.75    | 511.71     | 0.17    | ppb   |
| Molybdenum | 94-1  | 512.67    | 514.75    | 511.28    | 512.90     | 0.34    | ppb   |
| Molybdenum | 95-1  | 507.42    | 519.70    | 508.56    | 511.89     | 1.33    | ppb   |
| Molybdenum | 96-1  | 521.48    | 520.30    | 514.91    | 518.90     | 0.68    | ppb   |
| Molybdenum | 97-1  | 514.27    | 505.23    | 500.21    | 506.57     | 1.41    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 505.13    | 498.88    | 500.29    | 501.43     | 0.65    | ppb   |
| Phosphorus | 31-2  | 9587.80   | 9933.53   | 10143.57  | 9888.30    | 2.84    | ppb   |
| Potassium  | 39-2  | 132194.00 | 129861.17 | 128098.52 | 130051.23  | 1.58    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 562.62    | 432.21    | 513.70    | 502.84     | 13.10   | ppb   |
| Selenium   | 78-2  | 506.03    | 521.03    | 550.51    | 525.86     | 4.30    | ppb   |
| Selenium   | 82-1  | 500.38    | 506.09    | 501.42    | 502.63     | 0.60    | ppb   |
| Silicon    | 28-1  | 505.90    | 496.72    | 491.16    | 497.93     | 1.50    | ppb   |
| Silver     | 109-1 | 505.72    | 495.56    | 503.78    | 501.69     | 1.08    | ppb   |
| Silver     | 107-1 | 507.18    | 504.66    | 506.44    | 506.10     | 0.26    | ppb   |
| Sodium     | 23-2  | 258377.29 | 256444.28 | 255098.23 | 256639.93  | 0.64    | ppb   |
| Strontium  | 86-1  | 510.42    | 515.49    | 515.15    | 513.68     | 0.55    | ppb   |
| Strontium  | 88-1  | 520.09    | 527.56    | 523.18    | 523.61     | 0.72    | ppb   |
| Sulfur     | 34-1  | 8862.77   | 8884.25   | 8799.30   | 8848.77    | 0.50    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 512.45    | 510.40    | 515.89    | 512.91     | 0.54    | ppb   |
| Thallium   | 205-1 | 506.10    | 511.63    | 510.14    | 509.29     | 0.56    | ppb   |
| Tin        | 118-1 | 518.57    | 515.62    | 509.51    | 514.57     | 0.90    | ppb   |
| Titanium   | 47-1  | 511.11    | 508.69    | 497.97    | 505.92     | 1.38    | ppb   |
| Uranium    | 238-1 | 526.53    | 519.85    | 519.41    | 521.93     | 0.76    | ppb   |
| Vanadium   | 51-2  | 519.99    | 515.33    | 517.50    | 517.61     | 0.45    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 1014.45   | 994.23    | 995.46    | 1001.38    | 1.13    | ppb   |
| Zirconium  | 90-1  | 503.27    | 512.79    | 507.64    | 507.90     | 0.94    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV53               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV53               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 12:19:20 | DataFile Name :   | 016CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 509.60  | 519.00  | 507.60  | 512.07     | 1.19    | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : CCB53 Instrumnet Name : P8  
 Client Sample ID : CCB53 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 12:22:19 DataFile Name : 017CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -1.25   | -2.47   | -3.70   | -2.48      |         | ppb   |
| Antimony   | 121-1 | 0.27    | 0.27    | 0.27    | 0.27       | 1.56    | ppb   |
| Arsenic    | 75-2  | 0.04    | -0.01   | 0.02    | 0.02       | 149.55  | ppb   |
| Barium     | 135-1 | -0.01   | -0.01   | 0.00    | -0.01      |         | ppb   |
| Barium     | 137-1 | -0.03   | -0.02   | -0.03   | -0.03      |         | ppb   |
| Beryllium  | 9-1   | 0.10    | 0.06    | 0.05    | 0.07       | 36.15   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 15.01   | 14.27   | 12.87   | 14.05      | 7.73    | ppb   |
| Boron      | 10-1  | 15.74   | 12.87   | 15.01   | 14.54      | 10.24   | ppb   |
| Cadmium    | 106-1 | 0.08    | -1.31   | -0.75   | -0.66      |         | ppb   |
| Cadmium    | 108-1 | 0.20    | 0.03    | 0.06    | 0.10       | 93.95   | ppb   |
| Cadmium    | 111-1 | 0.00    | -0.09   | -0.05   | -0.04      |         | ppb   |
| Calcium    | 43-1  | -9.39   | -15.10  | -8.98   | -11.16     |         | ppb   |
| Calcium    | 44-1  | 10.27   | 9.81    | 8.68    | 9.59       | 8.52    | ppb   |
| Chromium   | 52-2  | -0.08   | -0.10   | -0.12   | -0.10      |         | ppb   |
| Cobalt     | 59-2  | -0.02   | -0.01   | 0.00    | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.09    | 0.11    | 0.08    | 0.10       | 15.47   | 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  | 2.16    | 2.06    | 1.63    | 1.95       | 14.46   | ppb   |
| Iron       | 57-2  | -0.13   | 1.69    | 1.67    | 1.08       | 97.27   | ppb   |
| Lead       | 206-1 | 0.06    | 0.05    | 0.04    | 0.05       | 17.81   | ppb   |
| Lead       | 207-1 | 0.05    | 0.05    | 0.07    | 0.06       | 25.59   | ppb   |
| Lead       | 208-1 | 0.06    | 0.06    | 0.06    | 0.06       | 5.89    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 1.15    | -0.37   | 0.65    | 0.47       | 162.73  | ppb   |
| Manganese  | 55-2  | -0.07   | -0.03   | -0.12   | -0.07      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB53               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB53               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:22:19 | DataFile Name :   | 017CCBE.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD  | Units |
|------------|-------|----------|----------|----------|------------|----------|-------|
| Molybdenum | 98-1  | 0.09     | 0.11     | 0.08     | 0.09       | 20.58    | ppb   |
| Molybdenum | 94-1  | 0.06     | 0.06     | 0.05     | 0.06       | 12.25    | ppb   |
| Molybdenum | 95-1  | 0.10     | 0.10     | 0.10     | 0.10       | 2.33     | ppb   |
| Molybdenum | 96-1  | 0.09     | 0.08     | 0.06     | 0.08       | 15.79    | ppb   |
| Molybdenum | 97-1  | 0.11     | 0.09     | 0.12     | 0.10       | 13.14    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |          | cps   |
| Neodymium  | 150-2 |          |          |          |            |          | cps   |
| Nickel     | 60-2  | 0.02     | -0.05    | 0.04     | 0.00       | 54327.26 | ppb   |
| Phosphorus | 31-2  | 2.74     | 36.95    | 2.78     | 14.16      | 139.41   | ppb   |
| Potassium  | 39-2  | 21.29    | 27.92    | 30.91    | 26.71      | 18.43    | 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  | 0.63     | 1.94     | 0.64     | 1.07       | 70.19    | ppb   |
| Selenium   | 82-1  | 0.77     | -0.33    | -0.24    | 0.07       | 906.77   | ppb   |
| Silicon    | 28-1  | -21.04   | -20.96   | -22.11   | -21.37     |          | ppb   |
| Silver     | 109-1 | 0.05     | 0.04     | 0.03     | 0.04       | 26.35    | ppb   |
| Silver     | 107-1 | 0.05     | 0.04     | 0.04     | 0.04       | 16.46    | ppb   |
| Sodium     | 23-2  | 110.96   | 108.04   | 105.83   | 108.28     | 2.37     | ppb   |
| Strontium  | 86-1  | -0.01    | -0.04    | -0.01    | -0.02      |          | ppb   |
| Strontium  | 88-1  | 0.00     | 0.00     | 0.00     | 0.00       |          | ppb   |
| Sulfur     | 34-1  | -1241.16 | -1252.34 | -1510.61 | -1334.71   |          | ppb   |
| Terbium    | 159-1 |          |          |          |            |          | %     |
| Terbium    | 159-2 |          |          |          |            |          | %     |
| Thallium   | 203-1 | 0.09     | 0.07     | 0.06     | 0.07       | 17.54    | ppb   |
| Thallium   | 205-1 | 0.08     | 0.07     | 0.08     | 0.08       | 4.78     | ppb   |
| Tin        | 118-1 | 0.25     | 0.19     | 0.17     | 0.20       | 19.77    | ppb   |
| Titanium   | 47-1  | 0.06     | 0.08     | 0.06     | 0.07       | 19.04    | ppb   |
| Uranium    | 238-1 | 0.00     | -0.01    | 0.00     | 0.00       |          | ppb   |
| Vanadium   | 51-2  | 0.02     | -0.01    | -0.01    | 0.00       |          | ppb   |
| Yttrium    | 89-1  |          |          |          |            |          | %     |
| Yttrium    | 89-2  |          |          |          |            |          | %     |
| Zinc       | 66-2  | 0.31     | 0.12     | 0.29     | 0.24       | 44.27    | ppb   |
| Zirconium  | 90-1  | 0.03     | 0.04     | 0.02     | 0.03       | 29.92    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB53               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB53               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:22:19 | DataFile Name :   | 017CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.05    | 0.05    | 0.04    | 0.05       | 6.81    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:25:26 | DataFile Name :   | 018SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 14.42   | 6.08    | 29.28   | 16.60      | 70.81   | ppb   |
| Antimony   | 121-1 | 1.88    | 1.88    | 1.87    | 1.88       | 0.46    | ppb   |
| Arsenic    | 75-2  | 1.08    | 0.77    | 0.84    | 0.90       | 18.45   | ppb   |
| Barium     | 135-1 | 8.58    | 8.92    | 9.29    | 8.93       | 4.00    | ppb   |
| Barium     | 137-1 | 9.09    | 8.90    | 8.94    | 8.97       | 1.11    | ppb   |
| Beryllium  | 9-1   | 0.75    | 0.92    | 0.89    | 0.85       | 10.43   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 27.61   | 28.26   | 29.54   | 28.47      | 3.45    | ppb   |
| Boron      | 10-1  | 26.54   | 29.81   | 27.12   | 27.82      | 6.27    | ppb   |
| Cadmium    | 106-1 | 0.26    | 0.28    | -0.45   | 0.03       | 1502.44 | ppb   |
| Cadmium    | 108-1 | 0.83    | 1.03    | 0.85    | 0.91       | 12.37   | ppb   |
| Cadmium    | 111-1 | 0.89    | 0.85    | 0.90    | 0.88       | 3.04    | ppb   |
| Calcium    | 43-1  | 442.72  | 430.64  | 428.41  | 433.92     | 1.77    | ppb   |
| Calcium    | 44-1  | 440.93  | 442.90  | 458.58  | 447.47     | 2.16    | ppb   |
| Chromium   | 52-2  | 2.12    | 1.82    | 1.76    | 1.90       | 10.09   | ppb   |
| Cobalt     | 59-2  | 0.94    | 0.94    | 0.96    | 0.95       | 1.47    | ppb   |
| Copper     | 63-2  | 2.09    | 2.19    | 2.22    | 2.16       | 3.02    | 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  | 47.90   | 48.66   | 47.51   | 48.02      | 1.21    | ppb   |
| Iron       | 57-2  | 46.52   | 47.87   | 54.24   | 49.54      | 8.32    | ppb   |
| Lead       | 206-1 | 1.05    | 0.99    | 0.99    | 1.01       | 3.00    | ppb   |
| Lead       | 207-1 | 1.04    | 1.01    | 1.03    | 1.03       | 1.58    | ppb   |
| Lead       | 208-1 | 1.04    | 1.01    | 1.00    | 1.02       | 2.29    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 451.99  | 468.94  | 463.23  | 461.39     | 1.87    | ppb   |
| Manganese  | 55-2  | 0.80    | 0.93    | 1.03    | 0.92       | 12.55   | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:25:26 | DataFile Name :   | 018SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 4.35     | 4.25     | 4.31     | 4.30       | 1.16    | ppb   |
| Molybdenum | 94-1  | 1.95     | 1.96     | 2.01     | 1.97       | 1.43    | ppb   |
| Molybdenum | 95-1  | 4.28     | 4.14     | 4.32     | 4.24       | 2.21    | ppb   |
| Molybdenum | 96-1  | 3.61     | 3.67     | 3.77     | 3.68       | 2.25    | ppb   |
| Molybdenum | 97-1  | 4.38     | 4.21     | 4.22     | 4.27       | 2.16    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.99     | 0.92     | 0.94     | 0.95       | 4.13    | ppb   |
| Phosphorus | 31-2  | -14.23   | 19.70    | 19.65    | 8.37       | 233.71  | ppb   |
| Potassium  | 39-2  | 489.67   | 468.77   | 483.58   | 480.67     | 2.24    | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 7.92     | 7.99     | 0.00     | 5.30       | 86.60   | ppb   |
| Selenium   | 78-2  | 0.63     | 7.73     | 7.07     | 5.14       | 76.33   | ppb   |
| Selenium   | 82-1  | 4.89     | 4.59     | 4.77     | 4.75       | 3.16    | ppb   |
| Silicon    | 28-1  | -10.86   | -9.75    | -8.60    | -9.74      |         | ppb   |
| Silver     | 109-1 | 1.25     | 1.28     | 1.28     | 1.27       | 1.33    | ppb   |
| Silver     | 107-1 | 1.28     | 1.32     | 1.30     | 1.30       | 1.54    | ppb   |
| Sodium     | 23-2  | 521.33   | 553.34   | 536.65   | 537.11     | 2.98    | ppb   |
| Strontium  | 86-1  | 0.93     | 0.85     | 0.98     | 0.92       | 7.02    | ppb   |
| Strontium  | 88-1  | 0.92     | 0.91     | 0.94     | 0.92       | 1.87    | ppb   |
| Sulfur     | 34-1  | -1203.67 | -1238.36 | -1109.02 | -1183.68   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.93     | 0.89     | 0.91     | 0.91       | 2.40    | ppb   |
| Thallium   | 205-1 | 0.95     | 0.92     | 0.93     | 0.94       | 1.52    | ppb   |
| Tin        | 118-1 | 4.55     | 4.54     | 4.68     | 4.59       | 1.74    | ppb   |
| Titanium   | 47-1  | 4.65     | 4.26     | 4.48     | 4.47       | 4.35    | ppb   |
| Uranium    | 238-1 | 0.86     | 0.84     | 0.83     | 0.84       | 1.96    | ppb   |
| Vanadium   | 51-2  | 4.62     | 4.39     | 4.70     | 4.57       | 3.59    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 2.25     | 1.80     | 1.90     | 1.98       | 11.87   | ppb   |
| Zirconium  | 90-1  | 0.88     | 0.90     | 0.92     | 0.90       | 1.97    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:25:26 | DataFile Name :   | 018SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.91    | 0.83    | 0.89    | 0.88       | 4.61    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-1               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-1               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:28:35 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 2.16    | -0.22   | -0.16   | 0.59       | 228.84  | ppb   |
| Antimony   | 121-1 | 0.33    | 0.32    | 0.28    | 0.31       | 8.03    | ppb   |
| Arsenic    | 75-2  | 0.21    | 0.26    | 0.27    | 0.25       | 13.25   | ppb   |
| Barium     | 135-1 | 1.35    | 1.22    | 1.26    | 1.28       | 5.15    | ppb   |
| Barium     | 137-1 | 1.14    | 1.26    | 1.24    | 1.22       | 5.39    | ppb   |
| Beryllium  | 9-1   | 0.29    | 0.29    | 0.28    | 0.28       | 0.78    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 5.85    | 6.44    | 6.26    | 6.18       | 4.92    | ppb   |
| Boron      | 10-1  | 7.44    | 7.26    | 7.26    | 7.32       | 1.40    | ppb   |
| Cadmium    | 106-1 | -1.56   | 0.45    | -0.37   | -0.49      |         | ppb   |
| Cadmium    | 108-1 | 0.14    | 0.14    | 0.17    | 0.15       | 9.62    | ppb   |
| Cadmium    | 111-1 | 0.16    | 0.29    | 0.22    | 0.22       | 30.95   | ppb   |
| Calcium    | 43-1  | 15.92   | 12.67   | 12.78   | 13.79      | 13.40   | ppb   |
| Calcium    | 44-1  | 28.33   | 25.35   | 25.89   | 26.52      | 5.99    | ppb   |
| Chromium   | 52-2  | 0.10    | 0.02    | 0.03    | 0.05       | 89.71   | ppb   |
| Cobalt     | 59-2  | 0.28    | 0.27    | 0.32    | 0.29       | 9.46    | ppb   |
| Copper     | 63-2  | 0.58    | 0.50    | 0.53    | 0.54       | 7.41    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 14.74   | 14.60   | 14.13   | 14.49      | 2.22    | ppb   |
| Iron       | 57-2  | 13.78   | 13.27   | 9.75    | 12.27      | 17.91   | ppb   |
| Lead       | 206-1 | 0.29    | 0.26    | 0.28    | 0.28       | 5.59    | ppb   |
| Lead       | 207-1 | 0.29    | 0.29    | 0.28    | 0.29       | 2.29    | ppb   |
| Lead       | 208-1 | 0.30    | 0.29    | 0.28    | 0.29       | 2.32    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 30.34   | 25.64   | 25.38   | 27.12      | 10.29   | ppb   |
| Manganese  | 55-2  | 0.58    | 0.44    | 0.51    | 0.51       | 13.93   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-1               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-1               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:28:35 | DataFile Name :   | 019SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.25     | 0.26     | 0.23     | 0.25       | 6.80    | ppb   |
| Molybdenum | 94-1  | 0.24     | 0.24     | 0.21     | 0.23       | 7.54    | ppb   |
| Molybdenum | 95-1  | 0.24     | 0.28     | 0.24     | 0.25       | 9.38    | ppb   |
| Molybdenum | 96-1  | 0.23     | 0.23     | 0.27     | 0.24       | 8.73    | ppb   |
| Molybdenum | 97-1  | 0.26     | 0.24     | 0.24     | 0.24       | 4.34    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.20     | 0.25     | 0.18     | 0.21       | 18.59   | ppb   |
| Phosphorus | 31-2  | 18.29    | 1.87     | 34.85    | 18.34      | 89.92   | ppb   |
| Potassium  | 39-2  | 1.23     | -2.83    | 11.51    | 3.30       | 223.89  | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 3.82     | 0.00     | 3.87     | 2.56       | 86.61   | ppb   |
| Selenium   | 78-2  | 0.58     | 0.58     | 2.48     | 1.21       | 90.07   | ppb   |
| Selenium   | 82-1  | 1.57     | 1.96     | 2.29     | 1.94       | 18.81   | ppb   |
| Silicon    | 28-1  | -31.24   | -33.43   | -28.97   | -31.21     |         | ppb   |
| Silver     | 109-1 | 0.30     | 0.28     | 0.29     | 0.29       | 3.59    | ppb   |
| Silver     | 107-1 | 0.28     | 0.27     | 0.28     | 0.28       | 1.24    | ppb   |
| Sodium     | 23-2  | 72.04    | 70.67    | 73.02    | 71.91      | 1.64    | ppb   |
| Strontium  | 86-1  | 0.20     | 0.18     | 0.22     | 0.20       | 10.37   | ppb   |
| Strontium  | 88-1  | 0.25     | 0.26     | 0.26     | 0.25       | 2.74    | ppb   |
| Sulfur     | 34-1  | -1646.96 | -1755.62 | -1690.22 | -1697.60   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.25     | 0.25     | 0.25     | 0.25       | 0.73    | ppb   |
| Thallium   | 205-1 | 0.26     | 0.25     | 0.24     | 0.25       | 3.73    | ppb   |
| Tin        | 118-1 | 0.28     | 0.29     | 0.23     | 0.27       | 11.94   | ppb   |
| Titanium   | 47-1  | 0.42     | 0.29     | 0.22     | 0.31       | 32.61   | ppb   |
| Uranium    | 238-1 | 0.23     | 0.24     | 0.23     | 0.23       | 1.04    | ppb   |
| Vanadium   | 51-2  | 0.29     | 0.26     | 0.23     | 0.26       | 11.32   | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.92     | 0.64     | 0.68     | 0.75       | 20.41   | ppb   |
| Zirconium  | 90-1  | 0.24     | 0.25     | 0.25     | 0.25       | 1.86    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-1               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-1               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:28:35 | DataFile Name :   | 019SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.26    | 0.28    | 0.30    | 0.28       | 7.24    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-2               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-2               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:31:44 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 7.77    | 5.74    | 6.01    | 6.51       | 16.91   | ppb   |
| Antimony   | 121-1 | 0.29    | 0.31    | 0.29    | 0.30       | 3.76    | ppb   |
| Arsenic    | 75-2  | 0.24    | 0.20    | 0.26    | 0.23       | 13.17   | ppb   |
| Barium     | 135-1 | 1.30    | 1.33    | 1.22    | 1.28       | 4.27    | ppb   |
| Barium     | 137-1 | 1.30    | 1.25    | 1.28    | 1.28       | 1.86    | ppb   |
| Beryllium  | 9-1   | 0.25    | 0.24    | 0.26    | 0.25       | 3.32    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 5.86    | 5.85    | 5.76    | 5.82       | 0.93    | ppb   |
| Boron      | 10-1  | 6.62    | 7.37    | 5.17    | 6.39       | 17.48   | ppb   |
| Cadmium    | 106-1 | -0.07   | -0.19   | 1.01    | 0.25       | 264.13  | ppb   |
| Cadmium    | 108-1 | 0.17    | 0.42    | 0.47    | 0.36       | 44.88   | ppb   |
| Cadmium    | 111-1 | 0.23    | 0.26    | 0.33    | 0.27       | 18.31   | ppb   |
| Calcium    | 43-1  | 15.57   | 16.88   | 6.71    | 13.05      | 42.37   | ppb   |
| Calcium    | 44-1  | 26.12   | 23.62   | 21.48   | 23.74      | 9.78    | ppb   |
| Chromium   | 52-2  | -0.01   | 0.16    | 0.10    | 0.08       | 104.81  | ppb   |
| Cobalt     | 59-2  | 0.25    | 0.22    | 0.25    | 0.24       | 6.32    | ppb   |
| Copper     | 63-2  | 0.54    | 0.58    | 0.59    | 0.57       | 5.10    | 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  | 13.68   | 14.50   | 14.62   | 14.27      | 3.62    | ppb   |
| Iron       | 57-2  | 9.36    | 14.25   | 12.64   | 12.08      | 20.61   | ppb   |
| Lead       | 206-1 | 0.28    | 0.29    | 0.27    | 0.28       | 3.76    | ppb   |
| Lead       | 207-1 | 0.25    | 0.28    | 0.25    | 0.26       | 7.00    | ppb   |
| Lead       | 208-1 | 0.27    | 0.28    | 0.27    | 0.27       | 2.80    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 31.27   | 29.09   | 34.12   | 31.49      | 8.00    | ppb   |
| Manganese  | 55-2  | 0.38    | 0.29    | 0.37    | 0.35       | 14.29   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-2               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-2               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:31:44 | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.24     | 0.27     | 0.22     | 0.24       | 9.42    | ppb   |
| Molybdenum | 94-1  | 0.24     | 0.25     | 0.23     | 0.24       | 4.62    | ppb   |
| Molybdenum | 95-1  | 0.26     | 0.24     | 0.23     | 0.25       | 5.48    | ppb   |
| Molybdenum | 96-1  | 0.24     | 0.21     | 0.27     | 0.24       | 12.15   | ppb   |
| Molybdenum | 97-1  | 0.23     | 0.29     | 0.26     | 0.26       | 10.11   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.22     | 0.17     | 0.26     | 0.21       | 22.37   | ppb   |
| Phosphorus | 31-2  | 1.67     | 2.13     | 2.60     | 2.14       | 21.87   | ppb   |
| Potassium  | 39-2  | 9.75     | 11.99    | 23.20    | 14.98      | 48.12   | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 3.86     | 3.86     | 2.57       | 86.60   | ppb   |
| Selenium   | 78-2  | 0.58     | 0.60     | 0.59     | 0.59       | 1.86    | ppb   |
| Selenium   | 82-1  | 0.96     | 2.27     | 2.68     | 1.97       | 45.46   | ppb   |
| Silicon    | 28-1  | -26.58   | -29.95   | -29.84   | -28.79     |         | ppb   |
| Silver     | 109-1 | 0.29     | 0.30     | 0.28     | 0.29       | 3.44    | ppb   |
| Silver     | 107-1 | 0.29     | 0.26     | 0.25     | 0.26       | 8.38    | ppb   |
| Sodium     | 23-2  | 63.17    | 65.29    | 66.66    | 65.04      | 2.70    | ppb   |
| Strontium  | 86-1  | 0.21     | 0.23     | 0.25     | 0.23       | 10.17   | ppb   |
| Strontium  | 88-1  | 0.26     | 0.25     | 0.25     | 0.26       | 3.12    | ppb   |
| Sulfur     | 34-1  | -1259.44 | -1318.01 | -1475.78 | -1351.08   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.24     | 0.26     | 0.21     | 0.24       | 9.43    | ppb   |
| Thallium   | 205-1 | 0.24     | 0.27     | 0.22     | 0.24       | 10.64   | ppb   |
| Tin        | 118-1 | 0.26     | 0.26     | 0.23     | 0.25       | 5.58    | ppb   |
| Titanium   | 47-1  | 0.41     | 0.28     | 0.28     | 0.32       | 23.12   | ppb   |
| Uranium    | 238-1 | 0.23     | 0.23     | 0.23     | 0.23       | 1.74    | ppb   |
| Vanadium   | 51-2  | 0.28     | 0.30     | 0.30     | 0.29       | 4.95    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.69     | 0.44     | 0.70     | 0.61       | 23.75   | ppb   |
| Zirconium  | 90-1  | 0.24     | 0.23     | 0.23     | 0.24       | 3.42    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-2               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-2               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:31:44 | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.26    | 0.31    | 0.24    | 0.27       | 14.39   | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-3               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-3               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:34:53 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -2.55   | 1.04    | -0.16   | -0.56      |         | ppb   |
| Antimony   | 121-1 | 0.25    | 0.26    | 0.26    | 0.26       | 2.12    | ppb   |
| Arsenic    | 75-2  | 0.09    | 0.29    | 0.20    | 0.19       | 50.87   | ppb   |
| Barium     | 135-1 | 1.14    | 1.25    | 1.33    | 1.24       | 7.42    | ppb   |
| Barium     | 137-1 | 1.24    | 1.16    | 1.28    | 1.23       | 5.00    | ppb   |
| Beryllium  | 9-1   | 0.28    | 0.18    | 0.30    | 0.25       | 24.29   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 4.84    | 5.20    | 5.42    | 5.15       | 5.69    | ppb   |
| Boron      | 10-1  | 6.56    | 5.01    | 5.73    | 5.77       | 13.48   | ppb   |
| Cadmium    | 106-1 | 0.27    | -0.37   | -1.07   | -0.39      |         | ppb   |
| Cadmium    | 108-1 | 0.17    | 0.17    | 0.31    | 0.22       | 37.54   | ppb   |
| Cadmium    | 111-1 | 0.24    | 0.23    | 0.14    | 0.20       | 28.29   | ppb   |
| Calcium    | 43-1  | 14.04   | 11.69   | -4.03   | 7.23       | 135.89  | ppb   |
| Calcium    | 44-1  | 24.11   | 22.47   | 23.19   | 23.26      | 3.53    | ppb   |
| Chromium   | 52-2  | 0.09    | 0.00    | 0.13    | 0.08       | 86.14   | ppb   |
| Cobalt     | 59-2  | 0.22    | 0.29    | 0.25    | 0.25       | 11.96   | ppb   |
| Copper     | 63-2  | 0.50    | 0.54    | 0.53    | 0.52       | 4.19    | 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  | 12.92   | 13.87   | 13.28   | 13.36      | 3.60    | ppb   |
| Iron       | 57-2  | 13.90   | 15.35   | 10.45   | 13.23      | 19.05   | ppb   |
| Lead       | 206-1 | 0.20    | 0.25    | 0.26    | 0.24       | 13.05   | ppb   |
| Lead       | 207-1 | 0.30    | 0.25    | 0.26    | 0.27       | 10.48   | ppb   |
| Lead       | 208-1 | 0.24    | 0.24    | 0.26    | 0.25       | 4.35    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 30.15   | 26.49   | 27.12   | 27.92      | 7.01    | ppb   |
| Manganese  | 55-2  | 0.55    | 0.32    | 0.44    | 0.43       | 26.19   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-3               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-3               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:34:53 | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.24     | 0.25     | 0.26     | 0.25       | 4.03    | ppb   |
| Molybdenum | 94-1  | 0.24     | 0.24     | 0.22     | 0.23       | 4.04    | ppb   |
| Molybdenum | 95-1  | 0.22     | 0.26     | 0.23     | 0.24       | 9.75    | ppb   |
| Molybdenum | 96-1  | 0.23     | 0.21     | 0.23     | 0.23       | 4.70    | ppb   |
| Molybdenum | 97-1  | 0.28     | 0.16     | 0.29     | 0.24       | 31.02   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.24     | 0.32     | 0.17     | 0.24       | 31.90   | ppb   |
| Phosphorus | 31-2  | 33.93    | 35.05    | 34.88    | 34.62      | 1.74    | ppb   |
| Potassium  | 39-2  | 12.25    | 5.93     | -5.14    | 4.35       | 202.45  | ppb   |
| Rhodium    | 103-1 |          |          |          |            |         | %     |
| Rhodium    | 103-2 |          |          |          |            |         | %     |
| Scandium   | 45-1  |          |          |          |            |         | %     |
| Scandium   | 45-2  |          |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 7.77     | 3.88     | 3.89       | 100.03  | ppb   |
| Selenium   | 78-2  | 3.08     | 3.74     | 3.12     | 3.31       | 11.22   | ppb   |
| Selenium   | 82-1  | 1.99     | 2.15     | 1.67     | 1.93       | 12.60   | ppb   |
| Silicon    | 28-1  | -26.95   | -28.46   | -26.63   | -27.35     |         | ppb   |
| Silver     | 109-1 | 0.25     | 0.28     | 0.27     | 0.27       | 5.69    | ppb   |
| Silver     | 107-1 | 0.26     | 0.27     | 0.25     | 0.26       | 5.42    | ppb   |
| Sodium     | 23-2  | 60.04    | 59.86    | 63.16    | 61.02      | 3.04    | ppb   |
| Strontium  | 86-1  | 0.16     | 0.26     | 0.23     | 0.22       | 22.30   | ppb   |
| Strontium  | 88-1  | 0.25     | 0.24     | 0.25     | 0.25       | 1.20    | ppb   |
| Sulfur     | 34-1  | -1391.19 | -1234.45 | -1378.17 | -1334.60   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.23     | 0.22     | 0.26     | 0.24       | 8.96    | ppb   |
| Thallium   | 205-1 | 0.22     | 0.23     | 0.24     | 0.23       | 2.53    | ppb   |
| Tin        | 118-1 | 0.23     | 0.26     | 0.24     | 0.24       | 6.11    | ppb   |
| Titanium   | 47-1  | 0.25     | 0.27     | 0.32     | 0.28       | 12.86   | ppb   |
| Uranium    | 238-1 | 0.22     | 0.23     | 0.24     | 0.23       | 3.56    | ppb   |
| Vanadium   | 51-2  | 0.23     | 0.25     | 0.27     | 0.25       | 7.64    | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.74     | 0.53     | 0.53     | 0.60       | 20.45   | ppb   |
| Zirconium  | 90-1  | 0.23     | 0.22     | 0.22     | 0.22       | 2.23    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-3               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-3               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:34:53 | DataFile Name :   | 021SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.19    | 0.22    | 0.23    | 0.21       | 9.40    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-4               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-4               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:38:01 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 6.98    | -2.49   | 3.37    | 2.62       | 182.25  | ppb   |
| Antimony   | 121-1 | 0.29    | 0.27    | 0.30    | 0.29       | 4.94    | ppb   |
| Arsenic    | 75-2  | 0.22    | 0.18    | 0.13    | 0.18       | 25.89   | ppb   |
| Barium     | 135-1 | 1.33    | 1.29    | 1.25    | 1.29       | 3.22    | ppb   |
| Barium     | 137-1 | 1.32    | 1.25    | 1.35    | 1.31       | 4.21    | ppb   |
| Beryllium  | 9-1   | 0.27    | 0.28    | 0.27    | 0.27       | 1.67    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 4.49    | 4.03    | 3.76    | 4.09       | 9.01    | ppb   |
| Boron      | 10-1  | 6.19    | 4.75    | 3.96    | 4.96       | 22.75   | ppb   |
| Cadmium    | 106-1 | 0.34    | 0.08    | 1.47    | 0.63       | 117.41  | ppb   |
| Cadmium    | 108-1 | 0.13    | 0.37    | 0.23    | 0.24       | 49.78   | ppb   |
| Cadmium    | 111-1 | 0.34    | 0.22    | 0.38    | 0.31       | 26.04   | ppb   |
| Calcium    | 43-1  | 32.80   | 33.80   | 21.97   | 29.52      | 22.22   | ppb   |
| Calcium    | 44-1  | 32.05   | 23.95   | 22.44   | 26.14      | 19.77   | ppb   |
| Chromium   | 52-2  | 0.05    | 0.06    | -0.06   | 0.02       | 348.91  | ppb   |
| Cobalt     | 59-2  | 0.27    | 0.25    | 0.23    | 0.25       | 7.71    | ppb   |
| Copper     | 63-2  | 0.58    | 0.59    | 0.51    | 0.56       | 7.57    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 14.76   | 14.75   | 14.74   | 14.75      | 0.06    | ppb   |
| Iron       | 57-2  | 17.12   | 18.71   | 10.77   | 15.54      | 27.03   | ppb   |
| Lead       | 206-1 | 0.27    | 0.29    | 0.27    | 0.27       | 3.86    | ppb   |
| Lead       | 207-1 | 0.27    | 0.24    | 0.28    | 0.26       | 7.98    | ppb   |
| Lead       | 208-1 | 0.28    | 0.26    | 0.26    | 0.27       | 3.45    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 32.49   | 27.04   | 28.32   | 29.29      | 9.72    | ppb   |
| Manganese  | 55-2  | 0.39    | 0.36    | 0.50    | 0.42       | 17.41   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-4               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-4               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:38:01 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.25    | 0.24     | 0.21     | 0.23       | 8.13    | ppb   |
| Molybdenum | 94-1  | 0.24    | 0.21     | 0.24     | 0.23       | 7.76    | ppb   |
| Molybdenum | 95-1  | 0.24    | 0.23     | 0.21     | 0.23       | 5.72    | ppb   |
| Molybdenum | 96-1  | 0.22    | 0.22     | 0.22     | 0.22       | 1.47    | ppb   |
| Molybdenum | 97-1  | 0.29    | 0.18     | 0.31     | 0.26       | 26.44   | ppb   |
| Neodymium  | 150-1 |         |          |          |            |         | cps   |
| Neodymium  | 150-2 |         |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.37    | 0.25     | 0.22     | 0.28       | 29.23   | ppb   |
| Phosphorus | 31-2  | -14.23  | 19.49    | 34.82    | 13.36      | 187.76  | ppb   |
| Potassium  | 39-2  | -1.39   | 3.61     | 9.73     | 3.99       | 139.73  | ppb   |
| Rhodium    | 103-1 |         |          |          |            |         | %     |
| Rhodium    | 103-2 |         |          |          |            |         | %     |
| Scandium   | 45-1  |         |          |          |            |         | %     |
| Scandium   | 45-2  |         |          |          |            |         | %     |
| Selenium   | 77-2  | 0.00    | 3.87     | 0.00     | 1.29       | 173.21  | ppb   |
| Selenium   | 78-2  | 1.23    | 0.60     | 4.41     | 2.08       | 98.10   | ppb   |
| Selenium   | 82-1  | 2.51    | 2.13     | 2.45     | 2.37       | 8.55    | ppb   |
| Silicon    | 28-1  | -21.54  | -29.06   | -29.66   | -26.75     |         | ppb   |
| Silver     | 109-1 | 0.32    | 0.30     | 0.26     | 0.29       | 10.98   | ppb   |
| Silver     | 107-1 | 0.29    | 0.26     | 0.26     | 0.27       | 6.48    | ppb   |
| Sodium     | 23-2  | 59.41   | 56.26    | 60.68    | 58.79      | 3.87    | ppb   |
| Strontium  | 86-1  | 0.38    | 0.25     | 0.26     | 0.30       | 22.90   | ppb   |
| Strontium  | 88-1  | 0.27    | 0.28     | 0.26     | 0.27       | 3.68    | ppb   |
| Sulfur     | 34-1  | -608.86 | -1222.83 | -1378.74 | -1070.14   |         | ppb   |
| Terbium    | 159-1 |         |          |          |            |         | %     |
| Terbium    | 159-2 |         |          |          |            |         | %     |
| Thallium   | 203-1 | 0.26    | 0.25     | 0.24     | 0.25       | 5.49    | ppb   |
| Thallium   | 205-1 | 0.28    | 0.24     | 0.25     | 0.26       | 7.12    | ppb   |
| Tin        | 118-1 | 0.27    | 0.25     | 0.29     | 0.27       | 6.92    | ppb   |
| Titanium   | 47-1  | 0.34    | 0.35     | 0.26     | 0.32       | 15.83   | ppb   |
| Uranium    | 238-1 | 0.26    | 0.24     | 0.23     | 0.24       | 5.88    | ppb   |
| Vanadium   | 51-2  | 0.23    | 0.30     | 0.28     | 0.27       | 12.95   | ppb   |
| Yttrium    | 89-1  |         |          |          |            |         | %     |
| Yttrium    | 89-2  |         |          |          |            |         | %     |
| Zinc       | 66-2  | 0.83    | 0.51     | 0.68     | 0.67       | 24.09   | ppb   |
| Zirconium  | 90-1  | 0.27    | 0.23     | 0.22     | 0.24       | 10.23   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-4               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-4               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:38:01 | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.29    | 0.20    | 0.23    | 0.24       | 19.54   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-5               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-5               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:41:10 | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 17.81   | 17.03   | 34.53   | 23.12      | 42.76   | ppb   |
| Antimony   | 121-1 | 0.27    | 0.27    | 0.25    | 0.26       | 5.65    | ppb   |
| Arsenic    | 75-2  | 0.26    | 0.21    | 0.21    | 0.23       | 14.12   | ppb   |
| Barium     | 135-1 | 1.25    | 1.13    | 1.22    | 1.20       | 5.35    | ppb   |
| Barium     | 137-1 | 1.15    | 1.17    | 1.30    | 1.21       | 6.61    | ppb   |
| Beryllium  | 9-1   | 0.27    | 0.17    | 0.20    | 0.22       | 22.23   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 3.61    | 3.30    | 3.58    | 3.50       | 4.86    | ppb   |
| Boron      | 10-1  | 3.94    | 3.75    | 4.29    | 3.99       | 6.82    | ppb   |
| Cadmium    | 106-1 | -0.71   | 0.41    | 0.14    | -0.05      |         | ppb   |
| Cadmium    | 108-1 | 0.53    | 0.30    | 0.30    | 0.38       | 35.07   | ppb   |
| Cadmium    | 111-1 | 0.19    | 0.28    | 0.18    | 0.22       | 24.76   | ppb   |
| Calcium    | 43-1  | 5.01    | 7.16    | -2.32   | 3.28       | 151.28  | ppb   |
| Calcium    | 44-1  | 24.93   | 26.75   | 25.62   | 25.77      | 3.56    | ppb   |
| Chromium   | 52-2  | 0.11    | 0.17    | 0.25    | 0.17       | 41.60   | ppb   |
| Cobalt     | 59-2  | 0.20    | 0.24    | 0.23    | 0.22       | 7.89    | ppb   |
| Copper     | 63-2  | 0.47    | 0.49    | 0.50    | 0.49       | 2.61    | 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  | 12.81   | 13.62   | 14.24   | 13.56      | 5.32    | ppb   |
| Iron       | 57-2  | 13.07   | 14.14   | 13.26   | 13.49      | 4.22    | ppb   |
| Lead       | 206-1 | 0.28    | 0.26    | 0.24    | 0.26       | 6.44    | ppb   |
| Lead       | 207-1 | 0.23    | 0.24    | 0.22    | 0.23       | 4.16    | ppb   |
| Lead       | 208-1 | 0.25    | 0.25    | 0.24    | 0.25       | 2.84    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 28.25   | 25.09   | 28.78   | 27.37      | 7.28    | ppb   |
| Manganese  | 55-2  | 0.32    | 0.53    | 0.45    | 0.43       | 23.81   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-5               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-5               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:41:10 | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.25    | 0.26    | 0.20    | 0.24       | 15.06   | ppb   |
| Molybdenum | 94-1  | 0.24    | 0.19    | 0.23    | 0.22       | 11.25   | ppb   |
| Molybdenum | 95-1  | 0.23    | 0.19    | 0.19    | 0.21       | 10.80   | ppb   |
| Molybdenum | 96-1  | 0.22    | 0.23    | 0.21    | 0.22       | 3.68    | ppb   |
| Molybdenum | 97-1  | 0.20    | 0.20    | 0.22    | 0.21       | 5.09    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.30    | 0.32    | 0.25    | 0.29       | 11.90   | ppb   |
| Phosphorus | 31-2  | 35.47   | 2.67    | 19.97   | 19.37      | 84.69   | ppb   |
| Potassium  | 39-2  | 11.65   | 3.24    | 11.72   | 8.87       | 55.00   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 3.90    | 7.96    | 0.00    | 3.95       | 100.70  | ppb   |
| Selenium   | 78-2  | 3.13    | 1.92    | 3.23    | 2.76       | 26.37   | ppb   |
| Selenium   | 82-1  | 2.67    | 2.47    | 2.05    | 2.40       | 13.25   | ppb   |
| Silicon    | 28-1  | -19.05  | -19.46  | -20.25  | -19.59     |         | ppb   |
| Silver     | 109-1 | 0.26    | 0.27    | 0.27    | 0.27       | 3.47    | ppb   |
| Silver     | 107-1 | 0.24    | 0.25    | 0.26    | 0.25       | 4.96    | ppb   |
| Sodium     | 23-2  | 57.81   | 53.51   | 51.27   | 54.20      | 6.13    | ppb   |
| Strontium  | 86-1  | 0.29    | 0.17    | 0.20    | 0.22       | 30.15   | ppb   |
| Strontium  | 88-1  | 0.25    | 0.25    | 0.26    | 0.25       | 3.00    | ppb   |
| Sulfur     | 34-1  | -911.24 | -605.32 | -775.47 | -764.01    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.24    | 0.25    | 0.24    | 0.24       | 1.95    | ppb   |
| Thallium   | 205-1 | 0.21    | 0.24    | 0.23    | 0.23       | 6.52    | ppb   |
| Tin        | 118-1 | 0.25    | 0.27    | 0.26    | 0.26       | 3.59    | ppb   |
| Titanium   | 47-1  | 0.25    | 0.16    | 0.37    | 0.26       | 39.98   | ppb   |
| Uranium    | 238-1 | 0.22    | 0.21    | 0.22    | 0.22       | 2.68    | ppb   |
| Vanadium   | 51-2  | 0.18    | 0.24    | 0.29    | 0.24       | 21.97   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.96    | 0.66    | 0.69    | 0.77       | 21.63   | ppb   |
| Zirconium  | 90-1  | 0.21    | 0.23    | 0.21    | 0.22       | 4.98    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-5               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-5               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:41:10 | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.23    | 0.22    | 0.23    | 0.22       | 3.19    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-6               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-6               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:44:19 | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1.15    | 2.42    | 1.14    | 1.57       | 47.15   | ppb   |
| Antimony   | 121-1 | 0.28    | 0.25    | 0.27    | 0.27       | 6.35    | ppb   |
| Arsenic    | 75-2  | 0.25    | 0.24    | 0.35    | 0.28       | 21.47   | ppb   |
| Barium     | 135-1 | 1.27    | 1.15    | 1.38    | 1.27       | 8.98    | ppb   |
| Barium     | 137-1 | 1.42    | 1.32    | 1.33    | 1.35       | 4.06    | ppb   |
| Beryllium  | 9-1   | 0.19    | 0.23    | 0.25    | 0.22       | 12.60   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 3.10    | 3.71    | 2.89    | 3.23       | 13.14   | ppb   |
| Boron      | 10-1  | 4.38    | 2.77    | 2.94    | 3.36       | 26.32   | ppb   |
| Cadmium    | 106-1 | -0.47   | -0.02   | 0.07    | -0.14      |         | ppb   |
| Cadmium    | 108-1 | 0.42    | 0.24    | 0.30    | 0.32       | 28.77   | ppb   |
| Cadmium    | 111-1 | 0.19    | 0.20    | 0.24    | 0.21       | 12.08   | ppb   |
| Calcium    | 43-1  | 25.80   | 19.35   | 20.76   | 21.97      | 15.43   | ppb   |
| Calcium    | 44-1  | 25.67   | 27.29   | 25.07   | 26.01      | 4.41    | ppb   |
| Chromium   | 52-2  | 0.23    | 0.16    | 0.19    | 0.19       | 17.62   | ppb   |
| Cobalt     | 59-2  | 0.26    | 0.24    | 0.28    | 0.26       | 7.20    | ppb   |
| Copper     | 63-2  | 0.51    | 0.55    | 0.54    | 0.54       | 3.73    | 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  | 13.75   | 13.91   | 13.50   | 13.72      | 1.51    | ppb   |
| Iron       | 57-2  | 14.73   | 12.79   | 19.67   | 15.73      | 22.55   | ppb   |
| Lead       | 206-1 | 0.24    | 0.28    | 0.27    | 0.26       | 8.22    | ppb   |
| Lead       | 207-1 | 0.23    | 0.23    | 0.27    | 0.24       | 10.97   | ppb   |
| Lead       | 208-1 | 0.24    | 0.25    | 0.27    | 0.25       | 4.86    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 29.98   | 32.66   | 32.46   | 31.70      | 4.71    | ppb   |
| Manganese  | 55-2  | 0.47    | 0.43    | 0.66    | 0.52       | 23.59   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-6               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-6               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:44:19 | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.22    | 0.23    | 0.25    | 0.24       | 6.73    | ppb   |
| Molybdenum | 94-1  | 0.24    | 0.22    | 0.23    | 0.23       | 2.74    | ppb   |
| Molybdenum | 95-1  | 0.23    | 0.23    | 0.27    | 0.24       | 9.57    | ppb   |
| Molybdenum | 96-1  | 0.25    | 0.24    | 0.25    | 0.25       | 2.69    | ppb   |
| Molybdenum | 97-1  | 0.23    | 0.22    | 0.25    | 0.23       | 6.69    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.27    | 0.23    | 0.32    | 0.28       | 16.45   | ppb   |
| Phosphorus | 31-2  | 36.17   | 19.75   | 2.54    | 19.49      | 86.29   | ppb   |
| Potassium  | 39-2  | 5.60    | -6.39   | 6.63    | 1.95       | 372.04  | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 3.94    | 0.00    | 11.92   | 5.29       | 114.90  | ppb   |
| Selenium   | 78-2  | 2.53    | 4.47    | 0.63    | 2.54       | 75.38   | ppb   |
| Selenium   | 82-1  | 2.48    | 2.22    | 2.40    | 2.37       | 5.80    | ppb   |
| Silicon    | 28-1  | -17.31  | -19.97  | -17.51  | -18.26     |         | ppb   |
| Silver     | 109-1 | 0.30    | 0.27    | 0.27    | 0.28       | 6.08    | ppb   |
| Silver     | 107-1 | 0.28    | 0.26    | 0.29    | 0.28       | 4.95    | ppb   |
| Sodium     | 23-2  | 57.47   | 58.25   | 55.63   | 57.12      | 2.35    | ppb   |
| Strontium  | 86-1  | 0.30    | 0.28    | 0.31    | 0.30       | 4.00    | ppb   |
| Strontium  | 88-1  | 0.25    | 0.26    | 0.24    | 0.25       | 3.62    | ppb   |
| Sulfur     | 34-1  | -583.91 | -649.79 | -700.33 | -644.68    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.24    | 0.27    | 0.26    | 0.26       | 6.04    | ppb   |
| Thallium   | 205-1 | 0.25    | 0.24    | 0.23    | 0.24       | 3.56    | ppb   |
| Tin        | 118-1 | 0.28    | 0.30    | 0.24    | 0.27       | 11.15   | ppb   |
| Titanium   | 47-1  | 0.30    | 0.26    | 0.21    | 0.25       | 18.28   | ppb   |
| Uranium    | 238-1 | 0.22    | 0.22    | 0.25    | 0.23       | 6.92    | ppb   |
| Vanadium   | 51-2  | 0.19    | 0.21    | 0.30    | 0.23       | 24.20   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.81    | 0.77    | 0.59    | 0.72       | 16.18   | ppb   |
| Zirconium  | 90-1  | 0.25    | 0.25    | 0.24    | 0.24       | 3.02    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-6               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-6               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:44:19 | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.29    | 0.32    | 0.21    | 0.27       | 20.56   | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : IDL-7 Instrumnet Name : P8  
 Client Sample ID : IDL-7 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 12:47:28 DataFile Name : 025SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 8.63    | 7.16    | 1.07    | 5.62       | 71.28   | ppb   |
| Antimony   | 121-1 | 0.27    | 0.25    | 0.28    | 0.26       | 6.81    | ppb   |
| Arsenic    | 75-2  | 0.36    | 0.22    | 0.25    | 0.27       | 26.85   | ppb   |
| Barium     | 135-1 | 1.26    | 1.23    | 1.45    | 1.31       | 8.78    | ppb   |
| Barium     | 137-1 | 1.28    | 1.17    | 1.37    | 1.28       | 7.64    | ppb   |
| Beryllium  | 9-1   | 0.19    | 0.23    | 0.25    | 0.22       | 13.58   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 2.73    | 3.19    | 2.96    | 2.96       | 7.91    | ppb   |
| Boron      | 10-1  | 3.31    | 2.71    | 2.63    | 2.88       | 12.85   | ppb   |
| Cadmium    | 106-1 | -0.33   | -0.48   | 0.41    | -0.13      |         | ppb   |
| Cadmium    | 108-1 | 0.21    | 0.21    | 0.48    | 0.30       | 51.71   | ppb   |
| Cadmium    | 111-1 | 0.19    | 0.21    | 0.25    | 0.21       | 15.00   | ppb   |
| Calcium    | 43-1  | 13.87   | 16.73   | 18.56   | 16.39      | 14.40   | ppb   |
| Calcium    | 44-1  | 25.32   | 22.17   | 28.63   | 25.37      | 12.74   | ppb   |
| Chromium   | 52-2  | 0.14    | 0.12    | 0.13    | 0.13       | 9.57    | ppb   |
| Cobalt     | 59-2  | 0.27    | 0.24    | 0.26    | 0.26       | 4.77    | ppb   |
| Copper     | 63-2  | 0.49    | 0.53    | 0.49    | 0.50       | 4.78    | 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  | 13.83   | 14.04   | 13.32   | 13.73      | 2.69    | ppb   |
| Iron       | 57-2  | 11.81   | 13.60   | 12.70   | 12.70      | 7.06    | ppb   |
| Lead       | 206-1 | 0.28    | 0.25    | 0.27    | 0.27       | 6.64    | ppb   |
| Lead       | 207-1 | 0.24    | 0.24    | 0.25    | 0.24       | 1.71    | ppb   |
| Lead       | 208-1 | 0.26    | 0.25    | 0.27    | 0.26       | 2.29    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 27.99   | 24.04   | 29.22   | 27.09      | 9.98    | ppb   |
| Manganese  | 55-2  | 0.25    | 0.39    | 0.44    | 0.36       | 26.23   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-7               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-7               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:47:28 | DataFile Name :   | 025SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.22    | 0.26    | 0.27    | 0.25       | 10.30   | ppb   |
| Molybdenum | 94-1  | 0.24    | 0.24    | 0.25    | 0.24       | 2.06    | ppb   |
| Molybdenum | 95-1  | 0.23    | 0.18    | 0.21    | 0.21       | 11.18   | ppb   |
| Molybdenum | 96-1  | 0.20    | 0.25    | 0.22    | 0.23       | 11.09   | ppb   |
| Molybdenum | 97-1  | 0.21    | 0.23    | 0.18    | 0.21       | 10.23   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.19    | 0.16    | 0.22    | 0.19       | 16.17   | ppb   |
| Phosphorus | 31-2  | -14.23  | 2.50    | -14.23  | -8.65      |         | ppb   |
| Potassium  | 39-2  | 0.29    | 10.09   | 4.71    | 5.03       | 97.53   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 7.87    | 0.00    | 3.91    | 3.93       | 100.21  | ppb   |
| Selenium   | 78-2  | 2.53    | 1.87    | 0.61    | 1.67       | 58.28   | ppb   |
| Selenium   | 82-1  | 1.92    | 1.64    | 2.18    | 1.91       | 14.03   | ppb   |
| Silicon    | 28-1  | -20.03  | -21.08  | -14.41  | -18.51     |         | ppb   |
| Silver     | 109-1 | 0.26    | 0.26    | 0.27    | 0.26       | 1.19    | ppb   |
| Silver     | 107-1 | 0.29    | 0.26    | 0.26    | 0.27       | 6.02    | ppb   |
| Sodium     | 23-2  | 49.84   | 49.63   | 49.63   | 49.70      | 0.25    | ppb   |
| Strontium  | 86-1  | 0.25    | 0.27    | 0.30    | 0.27       | 10.15   | ppb   |
| Strontium  | 88-1  | 0.24    | 0.25    | 0.27    | 0.25       | 5.68    | ppb   |
| Sulfur     | 34-1  | -948.48 | -702.27 | -186.37 | -612.37    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.22    | 0.26    | 0.25    | 0.24       | 8.60    | ppb   |
| Thallium   | 205-1 | 0.24    | 0.26    | 0.27    | 0.26       | 6.34    | ppb   |
| Tin        | 118-1 | 0.26    | 0.28    | 0.32    | 0.29       | 10.02   | ppb   |
| Titanium   | 47-1  | 0.23    | 0.29    | 0.24    | 0.25       | 12.54   | ppb   |
| Uranium    | 238-1 | 0.22    | 0.23    | 0.23    | 0.23       | 2.60    | ppb   |
| Vanadium   | 51-2  | 0.31    | 0.31    | 0.19    | 0.27       | 26.17   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.62    | 0.50    | 0.58    | 0.57       | 10.99   | ppb   |
| Zirconium  | 90-1  | 0.22    | 0.23    | 0.23    | 0.23       | 3.80    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-7               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-7               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:47:28 | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.23    | 0.25    | 0.30    | 0.26       | 13.96   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCV54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCV54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:50:38 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 51058.24  | 50404.57  | 51012.24  | 50825.01   | 0.72    | ppb   |
| Antimony   | 121-1 | 513.31    | 510.06    | 510.06    | 511.14     | 0.37    | ppb   |
| Arsenic    | 75-2  | 493.58    | 496.09    | 494.45    | 494.71     | 0.26    | ppb   |
| Barium     | 135-1 | 2580.15   | 2554.88   | 2530.98   | 2555.34    | 0.96    | ppb   |
| Barium     | 137-1 | 2531.47   | 2528.77   | 2546.85   | 2535.70    | 0.38    | ppb   |
| Beryllium  | 9-1   | 507.30    | 500.22    | 503.55    | 503.69     | 0.70    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 11-1  | 505.95    | 509.93    | 511.45    | 509.11     | 0.56    | ppb   |
| Boron      | 10-1  | 505.68    | 507.46    | 504.10    | 505.74     | 0.33    | ppb   |
| Cadmium    | 106-1 | 505.61    | 510.90    | 500.26    | 505.59     | 1.05    | ppb   |
| Cadmium    | 108-1 | 509.70    | 499.12    | 496.97    | 501.93     | 1.36    | ppb   |
| Cadmium    | 111-1 | 495.85    | 493.82    | 487.41    | 492.36     | 0.89    | ppb   |
| Calcium    | 43-1  | 245307.04 | 241240.43 | 242501.69 | 243016.39  | 0.86    | ppb   |
| Calcium    | 44-1  | 241668.57 | 241797.76 | 240888.23 | 241451.52  | 0.20    | ppb   |
| Chromium   | 52-2  | 506.59    | 512.43    | 514.45    | 511.15     | 0.80    | ppb   |
| Cobalt     | 59-2  | 491.79    | 494.04    | 495.94    | 493.92     | 0.42    | ppb   |
| Copper     | 63-2  | 983.88    | 993.37    | 985.70    | 987.65     | 0.51    | 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  | 125137.74 | 124779.98 | 125478.41 | 125132.04  | 0.28    | ppb   |
| Iron       | 57-2  | 127941.27 | 126359.15 | 126031.59 | 126777.33  | 0.81    | ppb   |
| Lead       | 206-1 | 523.65    | 513.29    | 504.76    | 513.90     | 1.84    | ppb   |
| Lead       | 207-1 | 519.98    | 511.64    | 508.79    | 513.47     | 1.13    | ppb   |
| Lead       | 208-1 | 518.92    | 511.58    | 508.53    | 513.01     | 1.04    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 253878.22 | 253067.51 | 253534.17 | 253493.30  | 0.16    | ppb   |
| Manganese  | 55-2  | 1021.93   | 1024.53   | 1034.15   | 1026.87    | 0.63    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCV54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCV54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:50:38 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 505.65    | 514.58    | 503.14    | 507.79     | 1.18    | ppb   |
| Molybdenum | 94-1  | 516.10    | 515.13    | 503.17    | 511.47     | 1.41    | ppb   |
| Molybdenum | 95-1  | 504.03    | 515.22    | 504.07    | 507.77     | 1.27    | ppb   |
| Molybdenum | 96-1  | 516.08    | 513.12    | 502.58    | 510.59     | 1.39    | ppb   |
| Molybdenum | 97-1  | 493.25    | 496.38    | 490.35    | 493.33     | 0.61    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 495.88    | 495.16    | 499.15    | 496.73     | 0.43    | ppb   |
| Phosphorus | 31-2  | 10390.58  | 10908.88  | 10682.73  | 10660.73   | 2.44    | ppb   |
| Potassium  | 39-2  | 128431.54 | 130382.32 | 129743.85 | 129519.24  | 0.77    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 512.12    | 457.15    | 485.75    | 485.01     | 5.67    | ppb   |
| Selenium   | 78-2  | 505.00    | 498.29    | 508.08    | 503.79     | 0.99    | ppb   |
| Selenium   | 82-1  | 494.44    | 502.64    | 488.06    | 495.05     | 1.48    | ppb   |
| Silicon    | 28-1  | 530.29    | 529.20    | 523.59    | 527.70     | 0.68    | ppb   |
| Silver     | 109-1 | 503.87    | 503.10    | 501.41    | 502.79     | 0.25    | ppb   |
| Silver     | 107-1 | 507.57    | 505.49    | 499.12    | 504.06     | 0.87    | ppb   |
| Sodium     | 23-2  | 253000.29 | 255731.44 | 255774.79 | 254835.50  | 0.62    | ppb   |
| Strontium  | 86-1  | 510.51    | 520.65    | 505.95    | 512.37     | 1.47    | ppb   |
| Strontium  | 88-1  | 517.33    | 522.35    | 512.31    | 517.33     | 0.97    | ppb   |
| Sulfur     | 34-1  | 9557.06   | 9430.37   | 9306.15   | 9431.19    | 1.33    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 517.06    | 510.08    | 513.06    | 513.40     | 0.68    | ppb   |
| Thallium   | 205-1 | 510.18    | 507.75    | 502.42    | 506.78     | 0.78    | ppb   |
| Tin        | 118-1 | 509.81    | 510.46    | 506.29    | 508.85     | 0.44    | ppb   |
| Titanium   | 47-1  | 502.12    | 500.45    | 496.76    | 499.77     | 0.55    | ppb   |
| Uranium    | 238-1 | 514.41    | 512.95    | 513.94    | 513.77     | 0.14    | ppb   |
| Vanadium   | 51-2  | 510.09    | 509.35    | 519.67    | 513.04     | 1.12    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 986.76    | 997.77    | 1002.11   | 995.54     | 0.79    | ppb   |
| Zirconium  | 90-1  | 502.11    | 511.13    | 497.25    | 503.50     | 1.40    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCV54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCV54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:50:38 | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 508.02  | 508.85  | 500.59  | 505.82     | 0.90    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:53:35 | DataFile Name :   | 027SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -3.70   | -1.30   | -2.48   | -2.49      |         | ppb   |
| Antimony   | 121-1 | 0.24    | 0.28    | 0.25    | 0.26       | 8.02    | ppb   |
| Arsenic    | 75-2  | -0.03   | -0.01   | 0.02    | -0.01      |         | ppb   |
| Barium     | 135-1 | -0.01   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Barium     | 137-1 | -0.02   | -0.03   | -0.02   | -0.02      |         | ppb   |
| Beryllium  | 9-1   | 0.11    | 0.07    | 0.07    | 0.08       | 24.80   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 12.73   | 12.32   | 10.99   | 12.01      | 7.60    | ppb   |
| Boron      | 10-1  | 14.87   | 12.60   | 11.94   | 13.14      | 11.67   | ppb   |
| Cadmium    | 106-1 | -0.03   | -0.45   | 0.33    | -0.05      |         | ppb   |
| Cadmium    | 108-1 | 0.06    | 0.06    | 0.03    | 0.05       | 33.23   | ppb   |
| Cadmium    | 111-1 | 0.02    | -0.03   | 0.02    | 0.00       | 625.31  | ppb   |
| Calcium    | 43-1  | -10.25  | -15.22  | -15.61  | -13.69     |         | ppb   |
| Calcium    | 44-1  | 2.31    | 1.51    | 1.39    | 1.74       | 28.66   | ppb   |
| Chromium   | 52-2  | -0.21   | -0.10   | -0.14   | -0.15      |         | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.03    | -0.01   | 0.01    | 0.01       | 157.34  | 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  | 1.42    | 1.41    | 1.65    | 1.49       | 9.10    | ppb   |
| Iron       | 57-2  | -2.33   | -1.26   | -0.50   | -1.36      |         | ppb   |
| Lead       | 206-1 | 0.05    | 0.04    | 0.05    | 0.05       | 12.39   | ppb   |
| Lead       | 207-1 | 0.05    | 0.03    | 0.03    | 0.03       | 27.48   | ppb   |
| Lead       | 208-1 | 0.04    | 0.04    | 0.04    | 0.04       | 4.88    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.51    | 2.06    | -0.65   | 0.64       | 212.49  | ppb   |
| Manganese  | 55-2  | -0.13   | -0.15   | -0.21   | -0.16      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:53:35 | DataFile Name :   | 027SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.06     | 0.04     | 0.03     | 0.05       | 29.34   | ppb   |
| Molybdenum | 94-1  | 0.05     | 0.04     | 0.04     | 0.05       | 8.46    | ppb   |
| Molybdenum | 95-1  | 0.06     | 0.03     | 0.03     | 0.04       | 38.73   | ppb   |
| Molybdenum | 96-1  | 0.05     | 0.03     | 0.03     | 0.04       | 39.79   | ppb   |
| Molybdenum | 97-1  | 0.03     | 0.05     | 0.00     | 0.03       | 92.89   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.04     | 0.02     | -0.02    | 0.01       | 208.89  | ppb   |
| Phosphorus | 31-2  | -14.23   | -14.23   | 2.72     | -8.58      |         | ppb   |
| Potassium  | 39-2  | 5.04     | 18.37    | 1.08     | 8.16       | 110.94  | 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  | 0.63     | 1.28     | -0.01    | 0.63       | 101.60  | ppb   |
| Selenium   | 82-1  | 0.04     | -0.65    | 0.21     | -0.13      |         | ppb   |
| Silicon    | 28-1  | -19.58   | -21.65   | -22.36   | -21.20     |         | ppb   |
| Silver     | 109-1 | 0.02     | 0.02     | 0.02     | 0.02       | 21.71   | ppb   |
| Silver     | 107-1 | 0.02     | 0.03     | 0.01     | 0.02       | 51.89   | ppb   |
| Sodium     | 23-2  | 81.96    | 76.89    | 73.40    | 77.41      | 5.56    | ppb   |
| Strontium  | 86-1  | -0.02    | -0.01    | -0.03    | -0.02      |         | ppb   |
| Strontium  | 88-1  | 0.00     | 0.00     | 0.00     | 0.00       | 31.31   | ppb   |
| Sulfur     | 34-1  | -1109.27 | -1048.29 | -1105.80 | -1087.79   |         | ppb   |
| Terbium    | 159-1 |          |          |          |            |         | %     |
| Terbium    | 159-2 |          |          |          |            |         | %     |
| Thallium   | 203-1 | 0.14     | 0.10     | 0.09     | 0.11       | 23.43   | ppb   |
| Thallium   | 205-1 | 0.11     | 0.09     | 0.10     | 0.10       | 9.19    | ppb   |
| Tin        | 118-1 | 0.24     | 0.24     | 0.24     | 0.24       | 1.19    | ppb   |
| Titanium   | 47-1  | 0.00     | 0.05     | 0.08     | 0.04       | 88.87   | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00     | -0.01    | -0.01    | -0.01      |         | ppb   |
| Yttrium    | 89-1  |          |          |          |            |         | %     |
| Yttrium    | 89-2  |          |          |          |            |         | %     |
| Zinc       | 66-2  | 0.15     | 0.05     | 0.07     | 0.09       | 59.59   | ppb   |
| Zirconium  | 90-1  | 0.05     | 0.06     | 0.05     | 0.05       | 11.03   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB54               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB54               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 12:53:35 | DataFile Name :   | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.06    | 0.05    | 0.06    | 0.06       | 10.51   | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : IDL-8 Instrumnet Name : P8  
 Client Sample ID : IDL-8 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 13:04:22 DataFile Name : 028SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 22.01   | 14.52   | 17.21   | 17.92      | 21.16   | ppb   |
| Antimony   | 121-1 | 0.34    | 0.30    | 0.27    | 0.30       | 11.37   | ppb   |
| Arsenic    | 75-2  | 0.32    | 0.22    | 0.18    | 0.24       | 30.13   | ppb   |
| Barium     | 135-1 | 1.29    | 1.33    | 1.36    | 1.33       | 2.62    | ppb   |
| Barium     | 137-1 | 1.41    | 1.29    | 1.37    | 1.36       | 4.40    | ppb   |
| Beryllium  | 9-1   | 0.22    | 0.22    | 0.25    | 0.23       | 8.96    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 3.71    | 3.00    | 3.06    | 3.25       | 12.03   | ppb   |
| Boron      | 10-1  | 3.25    | 3.40    | 3.13    | 3.26       | 4.12    | ppb   |
| Cadmium    | 106-1 | -0.58   | 0.03    | -0.91   | -0.49      |         | ppb   |
| Cadmium    | 108-1 | 0.45    | 0.33    | 0.58    | 0.45       | 27.39   | ppb   |
| Cadmium    | 111-1 | 0.21    | 0.26    | 0.18    | 0.22       | 17.86   | ppb   |
| Calcium    | 43-1  | 25.99   | 15.44   | 16.29   | 19.24      | 30.47   | ppb   |
| Calcium    | 44-1  | 40.65   | 25.78   | 21.82   | 29.42      | 33.75   | ppb   |
| Chromium   | 52-2  | 0.04    | 0.16    | 0.21    | 0.14       | 61.67   | ppb   |
| Cobalt     | 59-2  | 0.22    | 0.25    | 0.25    | 0.24       | 5.79    | ppb   |
| Copper     | 63-2  | 0.55    | 0.45    | 0.60    | 0.53       | 14.76   | 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  | 13.89   | 13.96   | 14.63   | 14.16      | 2.90    | ppb   |
| Iron       | 57-2  | 11.34   | 10.16   | 15.38   | 12.29      | 22.27   | ppb   |
| Lead       | 206-1 | 0.31    | 0.24    | 0.23    | 0.26       | 15.31   | ppb   |
| Lead       | 207-1 | 0.27    | 0.28    | 0.25    | 0.27       | 5.32    | ppb   |
| Lead       | 208-1 | 0.29    | 0.27    | 0.26    | 0.28       | 5.78    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 30.07   | 31.34   | 24.84   | 28.75      | 11.99   | ppb   |
| Manganese  | 55-2  | 0.47    | 0.31    | 0.39    | 0.39       | 20.31   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-8               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-8               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:04:22 | DataFile Name :   | 028SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.25    | 0.25    | 0.25    | 0.25       | 0.79    | ppb   |
| Molybdenum | 94-1  | 0.28    | 0.23    | 0.26    | 0.26       | 9.59    | ppb   |
| Molybdenum | 95-1  | 0.26    | 0.23    | 0.25    | 0.25       | 5.23    | ppb   |
| Molybdenum | 96-1  | 0.22    | 0.26    | 0.24    | 0.24       | 8.16    | ppb   |
| Molybdenum | 97-1  | 0.30    | 0.26    | 0.22    | 0.26       | 14.61   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.27    | 0.37    | 0.30    | 0.31       | 16.28   | ppb   |
| Phosphorus | 31-2  | -14.23  | 2.61    | -14.23  | -8.61      |         | ppb   |
| Potassium  | 39-2  | 16.93   | 20.28   | 16.96   | 18.06      | 10.64   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 3.99    | 1.33       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.01   | 1.28    | -0.01   | 0.42       | 176.16  | ppb   |
| Selenium   | 82-1  | 2.24    | 1.09    | 2.17    | 1.83       | 35.01   | ppb   |
| Silicon    | 28-1  | -12.27  | -22.06  | -21.88  | -18.73     |         | ppb   |
| Silver     | 109-1 | 0.28    | 0.25    | 0.26    | 0.27       | 5.96    | ppb   |
| Silver     | 107-1 | 0.27    | 0.25    | 0.30    | 0.27       | 8.42    | ppb   |
| Sodium     | 23-2  | 56.37   | 51.02   | 54.65   | 54.01      | 5.06    | ppb   |
| Strontium  | 86-1  | 0.26    | 0.26    | 0.15    | 0.22       | 27.24   | ppb   |
| Strontium  | 88-1  | 0.29    | 0.27    | 0.27    | 0.27       | 3.84    | ppb   |
| Sulfur     | 34-1  | 127.97  | -632.92 | -665.47 | -390.14    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.29    | 0.25    | 0.23    | 0.26       | 12.76   | ppb   |
| Thallium   | 205-1 | 0.26    | 0.26    | 0.24    | 0.25       | 4.49    | ppb   |
| Tin        | 118-1 | 0.36    | 0.31    | 0.30    | 0.32       | 8.94    | ppb   |
| Titanium   | 47-1  | 0.32    | 0.31    | 0.26    | 0.30       | 10.04   | ppb   |
| Uranium    | 238-1 | 0.25    | 0.24    | 0.23    | 0.24       | 5.06    | ppb   |
| Vanadium   | 51-2  | 0.30    | 0.26    | 0.22    | 0.26       | 15.43   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.82    | 0.57    | 0.60    | 0.66       | 20.18   | ppb   |
| Zirconium  | 90-1  | 0.26    | 0.26    | 0.29    | 0.27       | 6.18    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-8               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-8               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:04:22 | DataFile Name :   | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.32    | 0.28    | 0.30    | 0.30       | 5.71    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-9               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-9               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:07:31 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 10.48   | 9.08    | 21.71   | 13.76      | 50.34   | ppb   |
| Antimony   | 121-1 | 0.29    | 0.28    | 0.28    | 0.28       | 1.57    | ppb   |
| Arsenic    | 75-2  | 0.25    | 0.31    | 0.28    | 0.28       | 10.76   | ppb   |
| Barium     | 135-1 | 1.27    | 1.42    | 1.43    | 1.37       | 6.37    | ppb   |
| Barium     | 137-1 | 1.37    | 1.30    | 1.29    | 1.32       | 3.40    | ppb   |
| Beryllium  | 9-1   | 0.25    | 0.29    | 0.21    | 0.25       | 17.24   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 3.15    | 2.49    | 2.76    | 2.80       | 11.88   | ppb   |
| Boron      | 10-1  | 2.89    | 4.49    | 3.84    | 3.74       | 21.54   | ppb   |
| Cadmium    | 106-1 | -0.06   | -0.24   | -0.34   | -0.21      |         | ppb   |
| Cadmium    | 108-1 | 0.33    | 0.24    | 0.33    | 0.30       | 17.34   | ppb   |
| Cadmium    | 111-1 | 0.26    | 0.25    | 0.22    | 0.24       | 10.70   | ppb   |
| Calcium    | 43-1  | 21.06   | 28.04   | 18.44   | 22.51      | 22.03   | ppb   |
| Calcium    | 44-1  | 24.67   | 25.02   | 25.48   | 25.06      | 1.62    | ppb   |
| Chromium   | 52-2  | 0.25    | 0.22    | 0.18    | 0.22       | 14.64   | ppb   |
| Cobalt     | 59-2  | 0.28    | 0.30    | 0.28    | 0.28       | 4.37    | ppb   |
| Copper     | 63-2  | 0.42    | 0.56    | 0.49    | 0.49       | 14.21   | 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  | 14.20   | 15.97   | 13.90   | 14.69      | 7.64    | ppb   |
| Iron       | 57-2  | 16.69   | 6.78    | 11.87   | 11.78      | 42.11   | ppb   |
| Lead       | 206-1 | 0.28    | 0.27    | 0.24    | 0.26       | 7.42    | ppb   |
| Lead       | 207-1 | 0.23    | 0.27    | 0.26    | 0.25       | 8.61    | ppb   |
| Lead       | 208-1 | 0.27    | 0.27    | 0.27    | 0.27       | 1.54    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 26.42   | 31.84   | 31.20   | 29.82      | 9.93    | ppb   |
| Manganese  | 55-2  | 0.25    | 0.36    | 0.33    | 0.31       | 16.86   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-9               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-9               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:07:31 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.21    | 0.22    | 0.24    | 0.22       | 6.98    | ppb   |
| Molybdenum | 94-1  | 0.25    | 0.24    | 0.28    | 0.26       | 7.26    | ppb   |
| Molybdenum | 95-1  | 0.24    | 0.24    | 0.25    | 0.24       | 1.60    | ppb   |
| Molybdenum | 96-1  | 0.24    | 0.27    | 0.27    | 0.26       | 6.84    | ppb   |
| Molybdenum | 97-1  | 0.21    | 0.25    | 0.21    | 0.22       | 9.26    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.14    | 0.26    | 0.26    | 0.22       | 32.73   | ppb   |
| Phosphorus | 31-2  | -14.23  | 3.48    | 2.54    | -2.73      |         | ppb   |
| Potassium  | 39-2  | 0.09    | 1.91    | 16.52   | 6.17       | 145.92  | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 3.90    | 0.00    | 0.00    | 1.30       | 173.21  | ppb   |
| Selenium   | 78-2  | 2.50    | 2.09    | 0.62    | 1.74       | 56.83   | ppb   |
| Selenium   | 82-1  | 1.87    | 1.57    | 1.89    | 1.78       | 10.09   | ppb   |
| Silicon    | 28-1  | -22.04  | -21.17  | -19.06  | -20.76     |         | ppb   |
| Silver     | 109-1 | 0.27    | 0.27    | 0.29    | 0.28       | 3.23    | ppb   |
| Silver     | 107-1 | 0.26    | 0.29    | 0.26    | 0.27       | 6.64    | ppb   |
| Sodium     | 23-2  | 50.59   | 57.77   | 49.77   | 52.71      | 8.35    | ppb   |
| Strontium  | 86-1  | 0.23    | 0.32    | 0.23    | 0.26       | 20.80   | ppb   |
| Strontium  | 88-1  | 0.28    | 0.26    | 0.27    | 0.27       | 4.26    | ppb   |
| Sulfur     | 34-1  | -939.45 | -938.40 | -834.10 | -903.99    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.23    | 0.29    | 0.25    | 0.25       | 11.85   | ppb   |
| Thallium   | 205-1 | 0.26    | 0.26    | 0.24    | 0.25       | 4.81    | ppb   |
| Tin        | 118-1 | 0.29    | 0.32    | 0.33    | 0.31       | 6.67    | ppb   |
| Titanium   | 47-1  | 0.29    | 0.21    | 0.23    | 0.24       | 16.13   | ppb   |
| Uranium    | 238-1 | 0.24    | 0.24    | 0.25    | 0.24       | 1.51    | ppb   |
| Vanadium   | 51-2  | 0.24    | 0.34    | 0.24    | 0.27       | 21.37   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.36    | 0.68    | 0.63    | 0.56       | 30.61   | ppb   |
| Zirconium  | 90-1  | 0.24    | 0.25    | 0.24    | 0.24       | 2.33    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-9               | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-9               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:07:31 | DataFile Name :   | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.31    | 0.29    | 0.27    | 0.29       | 6.62    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-10              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-10              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:10:40 | DataFile Name :   | 030SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 9.31    | 11.55   | 13.99   | 11.62      | 20.16   | ppb   |
| Antimony   | 121-1 | 0.25    | 0.27    | 0.25    | 0.26       | 3.91    | ppb   |
| Arsenic    | 75-2  | 0.11    | 0.17    | 0.23    | 0.17       | 35.40   | ppb   |
| Barium     | 135-1 | 1.28    | 1.21    | 1.28    | 1.26       | 3.34    | ppb   |
| Barium     | 137-1 | 1.23    | 1.29    | 1.21    | 1.24       | 3.12    | ppb   |
| Beryllium  | 9-1   | 0.26    | 0.28    | 0.25    | 0.26       | 4.98    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 2.78    | 2.48    | 1.88    | 2.38       | 19.21   | ppb   |
| Boron      | 10-1  | 2.27    | 2.89    | 1.84    | 2.33       | 22.52   | ppb   |
| Cadmium    | 106-1 | -0.11   | -0.46   | 0.14    | -0.15      |         | ppb   |
| Cadmium    | 108-1 | 0.30    | 0.27    | 0.21    | 0.26       | 16.83   | ppb   |
| Cadmium    | 111-1 | 0.25    | 0.17    | 0.25    | 0.22       | 20.57   | ppb   |
| Calcium    | 43-1  | 16.24   | 8.48    | 13.97   | 12.90      | 30.92   | ppb   |
| Calcium    | 44-1  | 19.37   | 23.60   | 23.39   | 22.12      | 10.78   | ppb   |
| Chromium   | 52-2  | 0.14    | 0.06    | 0.21    | 0.14       | 53.51   | ppb   |
| Cobalt     | 59-2  | 0.28    | 0.26    | 0.22    | 0.26       | 11.85   | ppb   |
| Copper     | 63-2  | 0.46    | 0.51    | 0.49    | 0.48       | 5.51    | 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  | 13.61   | 12.84   | 12.74   | 13.06      | 3.62    | ppb   |
| Iron       | 57-2  | 9.08    | 10.70   | 12.16   | 10.65      | 14.43   | ppb   |
| Lead       | 206-1 | 0.27    | 0.25    | 0.25    | 0.26       | 3.83    | ppb   |
| Lead       | 207-1 | 0.27    | 0.21    | 0.26    | 0.25       | 11.72   | ppb   |
| Lead       | 208-1 | 0.26    | 0.24    | 0.25    | 0.25       | 4.16    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 29.90   | 26.19   | 27.34   | 27.81      | 6.83    | ppb   |
| Manganese  | 55-2  | 0.43    | 0.42    | 0.32    | 0.39       | 16.37   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-10              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-10              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:10:40 | DataFile Name :   | 030SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.22    | 0.22    | 0.18     | 0.20       | 10.00   | ppb   |
| Molybdenum | 94-1  | 0.24    | 0.23    | 0.24     | 0.24       | 2.55    | ppb   |
| Molybdenum | 95-1  | 0.23    | 0.19    | 0.19     | 0.20       | 11.81   | ppb   |
| Molybdenum | 96-1  | 0.22    | 0.21    | 0.25     | 0.23       | 8.57    | ppb   |
| Molybdenum | 97-1  | 0.17    | 0.20    | 0.22     | 0.19       | 14.42   | ppb   |
| Neodymium  | 150-1 |         |         |          |            |         | cps   |
| Neodymium  | 150-2 |         |         |          |            |         | cps   |
| Nickel     | 60-2  | 0.33    | 0.27    | 0.28     | 0.29       | 10.90   | ppb   |
| Phosphorus | 31-2  | -14.23  | -14.23  | 2.12     | -8.78      |         | ppb   |
| Potassium  | 39-2  | 4.36    | 17.11   | 2.21     | 7.89       | 102.08  | ppb   |
| Rhodium    | 103-1 |         |         |          |            |         | %     |
| Rhodium    | 103-2 |         |         |          |            |         | %     |
| Scandium   | 45-1  |         |         |          |            |         | %     |
| Scandium   | 45-2  |         |         |          |            |         | %     |
| Selenium   | 77-2  | 3.90    | 3.86    | 3.88     | 3.88       | 0.50    | ppb   |
| Selenium   | 78-2  | 2.50    | 1.85    | 3.12     | 2.49       | 25.49   | ppb   |
| Selenium   | 82-1  | 1.72    | 2.04    | 2.23     | 2.00       | 12.98   | ppb   |
| Silicon    | 28-1  | -19.83  | -21.46  | -24.72   | -22.01     |         | ppb   |
| Silver     | 109-1 | 0.25    | 0.22    | 0.29     | 0.25       | 13.21   | ppb   |
| Silver     | 107-1 | 0.27    | 0.28    | 0.28     | 0.28       | 2.95    | ppb   |
| Sodium     | 23-2  | 49.00   | 50.63   | 50.45    | 50.03      | 1.79    | ppb   |
| Strontium  | 86-1  | 0.22    | 0.29    | 0.23     | 0.25       | 16.89   | ppb   |
| Strontium  | 88-1  | 0.24    | 0.25    | 0.27     | 0.25       | 6.09    | ppb   |
| Sulfur     | 34-1  | -867.69 | -906.56 | -1024.87 | -933.04    |         | ppb   |
| Terbium    | 159-1 |         |         |          |            |         | %     |
| Terbium    | 159-2 |         |         |          |            |         | %     |
| Thallium   | 203-1 | 0.23    | 0.23    | 0.23     | 0.23       | 1.44    | ppb   |
| Thallium   | 205-1 | 0.23    | 0.26    | 0.25     | 0.25       | 5.19    | ppb   |
| Tin        | 118-1 | 0.30    | 0.30    | 0.28     | 0.29       | 4.92    | ppb   |
| Titanium   | 47-1  | 0.26    | 0.27    | 0.29     | 0.27       | 5.87    | ppb   |
| Uranium    | 238-1 | 0.23    | 0.22    | 0.21     | 0.22       | 2.76    | ppb   |
| Vanadium   | 51-2  | 0.18    | 0.25    | 0.20     | 0.21       | 16.63   | ppb   |
| Yttrium    | 89-1  |         |         |          |            |         | %     |
| Yttrium    | 89-2  |         |         |          |            |         | %     |
| Zinc       | 66-2  | 0.68    | 0.42    | 0.42     | 0.51       | 29.15   | ppb   |
| Zirconium  | 90-1  | 0.25    | 0.26    | 0.23     | 0.25       | 7.32    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-10              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-10              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:10:40 | DataFile Name :   | 030SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.23    | 0.27    | 0.25    | 0.25       | 7.89    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-11              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-11              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:13:49 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 18.88   | 12.83   | 16.54   | 16.09      | 18.97   | ppb   |
| Antimony   | 121-1 | 0.33    | 0.28    | 0.28    | 0.29       | 9.79    | ppb   |
| Arsenic    | 75-2  | 0.29    | 0.15    | 0.29    | 0.24       | 32.01   | ppb   |
| Barium     | 135-1 | 1.36    | 1.25    | 1.36    | 1.32       | 4.59    | ppb   |
| Barium     | 137-1 | 1.45    | 1.27    | 1.43    | 1.38       | 7.09    | ppb   |
| Beryllium  | 9-1   | 0.37    | 0.24    | 0.25    | 0.29       | 26.62   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 2.57    | 2.56    | 3.00    | 2.71       | 9.30    | ppb   |
| Boron      | 10-1  | 3.34    | 3.32    | 3.69    | 3.45       | 6.00    | ppb   |
| Cadmium    | 106-1 | 0.28    | 0.49    | -0.05   | 0.24       | 113.50  | ppb   |
| Cadmium    | 108-1 | 0.40    | 0.33    | 0.42    | 0.38       | 12.11   | ppb   |
| Cadmium    | 111-1 | 0.26    | 0.27    | 0.18    | 0.24       | 21.57   | ppb   |
| Calcium    | 43-1  | 36.04   | 16.12   | 1.28    | 17.81      | 97.89   | ppb   |
| Calcium    | 44-1  | 33.71   | 24.52   | 24.15   | 27.46      | 19.73   | ppb   |
| Chromium   | 52-2  | 0.17    | 0.26    | 0.15    | 0.19       | 31.07   | ppb   |
| Cobalt     | 59-2  | 0.25    | 0.29    | 0.29    | 0.28       | 8.11    | ppb   |
| Copper     | 63-2  | 0.49    | 0.51    | 0.52    | 0.50       | 3.14    | 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  | 14.57   | 13.70   | 13.67   | 13.98      | 3.66    | ppb   |
| Iron       | 57-2  | 16.81   | 15.29   | 9.52    | 13.88      | 27.70   | ppb   |
| Lead       | 206-1 | 0.30    | 0.28    | 0.27    | 0.28       | 6.14    | ppb   |
| Lead       | 207-1 | 0.32    | 0.32    | 0.27    | 0.30       | 10.23   | ppb   |
| Lead       | 208-1 | 0.30    | 0.27    | 0.26    | 0.28       | 6.21    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 29.32   | 35.04   | 29.88   | 31.41      | 10.02   | ppb   |
| Manganese  | 55-2  | 0.51    | 0.65    | 0.51    | 0.55       | 14.77   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-11              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-11              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:13:49 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.27    | 0.22    | 0.23    | 0.24       | 10.36   | ppb   |
| Molybdenum | 94-1  | 0.28    | 0.25    | 0.29    | 0.27       | 5.71    | ppb   |
| Molybdenum | 95-1  | 0.32    | 0.21    | 0.21    | 0.25       | 26.31   | ppb   |
| Molybdenum | 96-1  | 0.30    | 0.22    | 0.20    | 0.24       | 20.22   | ppb   |
| Molybdenum | 97-1  | 0.26    | 0.20    | 0.22    | 0.23       | 12.97   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.27    | 0.36    | 0.35    | 0.33       | 14.91   | ppb   |
| Phosphorus | 31-2  | 2.25    | 34.89   | 2.28    | 13.14      | 143.40  | ppb   |
| Potassium  | 39-2  | 13.66   | 7.47    | 6.82    | 9.32       | 40.52   | 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  | 0.58    | 4.97    | 2.50    | 2.68       | 81.95   | ppb   |
| Selenium   | 82-1  | 2.70    | 2.27    | 2.07    | 2.35       | 13.83   | ppb   |
| Silicon    | 28-1  | -6.88   | -21.88  | -19.56  | -16.11     |         | ppb   |
| Silver     | 109-1 | 0.32    | 0.27    | 0.27    | 0.29       | 9.54    | ppb   |
| Silver     | 107-1 | 0.32    | 0.28    | 0.30    | 0.30       | 5.37    | ppb   |
| Sodium     | 23-2  | 50.02   | 51.42   | 54.45   | 51.96      | 4.35    | ppb   |
| Strontium  | 86-1  | 0.32    | 0.28    | 0.27    | 0.29       | 8.17    | ppb   |
| Strontium  | 88-1  | 0.30    | 0.27    | 0.27    | 0.28       | 5.43    | ppb   |
| Sulfur     | 34-1  | 360.88  | -749.09 | -721.44 | -369.88    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.32    | 0.28    | 0.22    | 0.27       | 18.16   | ppb   |
| Thallium   | 205-1 | 0.27    | 0.24    | 0.25    | 0.26       | 6.00    | ppb   |
| Tin        | 118-1 | 0.34    | 0.27    | 0.28    | 0.30       | 11.75   | ppb   |
| Titanium   | 47-1  | 0.23    | 0.29    | 0.35    | 0.29       | 21.68   | ppb   |
| Uranium    | 238-1 | 0.27    | 0.24    | 0.23    | 0.25       | 8.53    | ppb   |
| Vanadium   | 51-2  | 0.28    | 0.20    | 0.26    | 0.25       | 15.11   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.62    | 0.66    | 0.28    | 0.52       | 39.92   | ppb   |
| Zirconium  | 90-1  | 0.28    | 0.26    | 0.24    | 0.26       | 6.48    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-11              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-11              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:13:49 | DataFile Name :   | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.29    | 0.25    | 0.24    | 0.26       | 9.58    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-12              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-12              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:16:58 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 17.36   | 3.34    | 9.76    | 10.15      | 69.12   | ppb   |
| Antimony   | 121-1 | 0.29    | 0.28    | 0.24    | 0.27       | 10.19   | ppb   |
| Arsenic    | 75-2  | 0.23    | 0.17    | 0.26    | 0.22       | 20.95   | ppb   |
| Barium     | 135-1 | 1.13    | 1.20    | 1.21    | 1.18       | 3.99    | ppb   |
| Barium     | 137-1 | 1.23    | 1.22    | 1.25    | 1.23       | 1.26    | ppb   |
| Beryllium  | 9-1   | 0.23    | 0.29    | 0.16    | 0.22       | 29.48   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 1.87    | 2.44    | 1.93    | 2.08       | 15.13   | ppb   |
| Boron      | 10-1  | 2.19    | 2.74    | 2.97    | 2.64       | 15.20   | ppb   |
| Cadmium    | 106-1 | -0.12   | 0.91    | -0.45   | 0.11       | 618.32  | ppb   |
| Cadmium    | 108-1 | 0.12    | 0.45    | 0.38    | 0.32       | 53.90   | ppb   |
| Cadmium    | 111-1 | 0.21    | 0.26    | 0.20    | 0.23       | 15.24   | ppb   |
| Calcium    | 43-1  | 6.97    | 18.41   | 10.49   | 11.96      | 48.99   | ppb   |
| Calcium    | 44-1  | 20.06   | 26.42   | 17.92   | 21.47      | 20.59   | ppb   |
| Chromium   | 52-2  | 0.13    | 0.15    | 0.14    | 0.14       | 9.71    | ppb   |
| Cobalt     | 59-2  | 0.26    | 0.23    | 0.26    | 0.25       | 6.74    | ppb   |
| Copper     | 63-2  | 0.45    | 0.42    | 0.58    | 0.48       | 18.36   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         |            |         | %     |
| Holmium    | 165-2 |         |         |         |            |         | %     |
| Indium     | 115-1 |         |         |         |            |         | %     |
| Indium     | 115-2 |         |         |         |            |         | %     |
| Iron       | 56-2  | 13.44   | 12.57   | 13.96   | 13.32      | 5.25    | ppb   |
| Iron       | 57-2  | 12.37   | 14.14   | 16.00   | 14.17      | 12.81   | ppb   |
| Lead       | 206-1 | 0.25    | 0.24    | 0.24    | 0.24       | 3.78    | ppb   |
| Lead       | 207-1 | 0.23    | 0.24    | 0.21    | 0.23       | 6.14    | ppb   |
| Lead       | 208-1 | 0.25    | 0.25    | 0.23    | 0.24       | 4.38    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 25.86   | 26.94   | 30.33   | 27.71      | 8.41    | ppb   |
| Manganese  | 55-2  | 0.31    | 0.29    | 0.40    | 0.33       | 18.52   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-12              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-12              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:16:58 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.20    | 0.19    | 0.17    | 0.19       | 7.04    | ppb   |
| Molybdenum | 94-1  | 0.18    | 0.24    | 0.25    | 0.23       | 16.22   | ppb   |
| Molybdenum | 95-1  | 0.22    | 0.21    | 0.24    | 0.22       | 7.45    | ppb   |
| Molybdenum | 96-1  | 0.26    | 0.19    | 0.25    | 0.23       | 16.24   | ppb   |
| Molybdenum | 97-1  | 0.23    | 0.19    | 0.20    | 0.21       | 11.82   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.25    | 0.34    | 0.41    | 0.33       | 24.38   | ppb   |
| Phosphorus | 31-2  | 50.65   | -14.23  | 19.72   | 18.71      | 173.39  | ppb   |
| Potassium  | 39-2  | 15.79   | 8.46    | 18.22   | 14.16      | 35.88   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 3.87    | 4.07    | 2.65       | 86.68   | ppb   |
| Selenium   | 78-2  | -0.03   | 1.23    | 2.64    | 1.28       | 104.58  | ppb   |
| Selenium   | 82-1  | 2.38    | 2.48    | 1.96    | 2.27       | 12.03   | ppb   |
| Silicon    | 28-1  | -22.13  | -16.94  | -22.96  | -20.68     |         | ppb   |
| Silver     | 109-1 | 0.29    | 0.25    | 0.26    | 0.27       | 6.34    | ppb   |
| Silver     | 107-1 | 0.27    | 0.29    | 0.28    | 0.28       | 3.72    | ppb   |
| Sodium     | 23-2  | 44.67   | 42.13   | 44.04   | 43.61      | 3.04    | ppb   |
| Strontium  | 86-1  | 0.24    | 0.27    | 0.25    | 0.25       | 7.52    | ppb   |
| Strontium  | 88-1  | 0.24    | 0.25    | 0.25    | 0.24       | 1.80    | ppb   |
| Sulfur     | 34-1  | -716.57 | -488.56 | -897.60 | -700.91    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.22    | 0.23    | 0.22    | 0.22       | 1.95    | ppb   |
| Thallium   | 205-1 | 0.25    | 0.24    | 0.22    | 0.24       | 6.57    | ppb   |
| Tin        | 118-1 | 0.23    | 0.32    | 0.29    | 0.28       | 17.65   | ppb   |
| Titanium   | 47-1  | 0.26    | 0.20    | 0.30    | 0.25       | 20.71   | ppb   |
| Uranium    | 238-1 | 0.22    | 0.23    | 0.23    | 0.23       | 3.87    | ppb   |
| Vanadium   | 51-2  | 0.25    | 0.23    | 0.32    | 0.27       | 19.14   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.44    | 0.53    | 0.60    | 0.52       | 15.18   | ppb   |
| Zirconium  | 90-1  | 0.23    | 0.22    | 0.24    | 0.23       | 3.31    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-12              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-12              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:16:58 | DataFile Name :   | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.24    | 0.21    | 0.26    | 0.24       | 11.70   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-13              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-13              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:23:15 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 14.99   | 14.19   | 12.94   | 14.04      | 7.36    | ppb   |
| Antimony   | 121-1 | 0.27    | 0.24    | 0.23    | 0.25       | 8.29    | ppb   |
| Arsenic    | 75-2  | 0.11    | 0.18    | 0.24    | 0.18       | 38.49   | ppb   |
| Barium     | 135-1 | 1.30    | 1.30    | 1.31    | 1.30       | 0.40    | ppb   |
| Barium     | 137-1 | 1.35    | 1.30    | 1.19    | 1.28       | 6.36    | ppb   |
| Beryllium  | 9-1   | 0.16    | 0.23    | 0.23    | 0.21       | 21.05   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 2.02    | 1.57    | 2.02    | 1.87       | 13.94   | ppb   |
| Boron      | 10-1  | 2.41    | 1.73    | 1.49    | 1.88       | 25.23   | ppb   |
| Cadmium    | 106-1 | 0.16    | -0.39   | 0.74    | 0.17       | 331.53  | ppb   |
| Cadmium    | 108-1 | 0.30    | 0.18    | 0.21    | 0.23       | 27.09   | ppb   |
| Cadmium    | 111-1 | 0.22    | 0.22    | 0.30    | 0.25       | 19.77   | ppb   |
| Calcium    | 43-1  | -3.81   | 22.79   | 9.73    | 9.57       | 139.01  | ppb   |
| Calcium    | 44-1  | 18.28   | 19.03   | 17.90   | 18.41      | 3.12    | ppb   |
| Chromium   | 52-2  | 0.06    | 0.16    | 0.08    | 0.10       | 54.54   | ppb   |
| Cobalt     | 59-2  | 0.25    | 0.25    | 0.28    | 0.26       | 5.10    | ppb   |
| Copper     | 63-2  | 0.43    | 0.54    | 0.52    | 0.50       | 11.45   | 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  | 13.50   | 13.27   | 13.68   | 13.48      | 1.53    | ppb   |
| Iron       | 57-2  | 10.97   | 10.94   | 7.76    | 9.89       | 18.68   | ppb   |
| Lead       | 206-1 | 0.24    | 0.24    | 0.24    | 0.24       | 1.23    | ppb   |
| Lead       | 207-1 | 0.22    | 0.24    | 0.24    | 0.23       | 5.39    | ppb   |
| Lead       | 208-1 | 0.24    | 0.24    | 0.22    | 0.24       | 5.36    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 21.90   | 27.44   | 29.81   | 26.39      | 15.39   | ppb   |
| Manganese  | 55-2  | 0.42    | 0.50    | 0.33    | 0.42       | 19.77   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-13              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-13              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:23:15 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2 | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|---------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.23     | 0.22    | 0.21     | 0.22       | 5.23    | ppb   |
| Molybdenum | 94-1  | 0.21     | 0.22    | 0.22     | 0.21       | 2.75    | ppb   |
| Molybdenum | 95-1  | 0.19     | 0.21    | 0.22     | 0.21       | 5.83    | ppb   |
| Molybdenum | 96-1  | 0.22     | 0.23    | 0.22     | 0.22       | 3.87    | ppb   |
| Molybdenum | 97-1  | 0.21     | 0.19    | 0.16     | 0.19       | 12.37   | ppb   |
| Neodymium  | 150-1 |          |         |          |            |         | cps   |
| Neodymium  | 150-2 |          |         |          |            |         | cps   |
| Nickel     | 60-2  | 0.27     | 0.26    | 0.26     | 0.26       | 2.05    | ppb   |
| Phosphorus | 31-2  | 1.96     | 2.30    | 2.24     | 2.17       | 8.42    | ppb   |
| Potassium  | 39-2  | 3.87     | 20.60   | 19.10    | 14.52      | 63.71   | ppb   |
| Rhodium    | 103-1 |          |         |          |            |         | %     |
| Rhodium    | 103-2 |          |         |          |            |         | %     |
| Scandium   | 45-1  |          |         |          |            |         | %     |
| Scandium   | 45-2  |          |         |          |            |         | %     |
| Selenium   | 77-2  | 0.00     | 3.86    | 0.00     | 1.29       | 173.21  | ppb   |
| Selenium   | 78-2  | 4.25     | 1.22    | 3.06     | 2.84       | 53.65   | ppb   |
| Selenium   | 82-1  | 2.34     | 1.28    | 1.19     | 1.60       | 39.96   | ppb   |
| Silicon    | 28-1  | -20.40   | -21.40  | -21.56   | -21.12     |         | ppb   |
| Silver     | 109-1 | 0.25     | 0.23    | 0.23     | 0.24       | 4.48    | ppb   |
| Silver     | 107-1 | 0.24     | 0.26    | 0.24     | 0.25       | 4.27    | ppb   |
| Sodium     | 23-2  | 46.23    | 50.98   | 41.45    | 46.22      | 10.31   | ppb   |
| Strontium  | 86-1  | 0.21     | 0.24    | 0.22     | 0.22       | 6.25    | ppb   |
| Strontium  | 88-1  | 0.25     | 0.23    | 0.24     | 0.24       | 5.36    | ppb   |
| Sulfur     | 34-1  | -1023.30 | -987.85 | -1155.94 | -1055.69   |         | ppb   |
| Terbium    | 159-1 |          |         |          |            |         | %     |
| Terbium    | 159-2 |          |         |          |            |         | %     |
| Thallium   | 203-1 | 0.24     | 0.21    | 0.24     | 0.23       | 7.30    | ppb   |
| Thallium   | 205-1 | 0.23     | 0.22    | 0.24     | 0.23       | 4.01    | ppb   |
| Tin        | 118-1 | 0.31     | 0.24    | 0.26     | 0.27       | 13.94   | ppb   |
| Titanium   | 47-1  | 0.20     | 0.26    | 0.28     | 0.25       | 16.85   | ppb   |
| Uranium    | 238-1 | 0.22     | 0.23    | 0.21     | 0.22       | 4.49    | ppb   |
| Vanadium   | 51-2  | 0.23     | 0.30    | 0.21     | 0.25       | 20.06   | ppb   |
| Yttrium    | 89-1  |          |         |          |            |         | %     |
| Yttrium    | 89-2  |          |         |          |            |         | %     |
| Zinc       | 66-2  | 0.56     | 0.75    | 0.66     | 0.66       | 14.07   | ppb   |
| Zirconium  | 90-1  | 0.23     | 0.22    | 0.22     | 0.23       | 2.25    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-13              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-13              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:23:15 | DataFile Name :   | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.23    | 0.28    | 0.25    | 0.25       | 9.94    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-14              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-14              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:26:23 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 14.99   | 7.97    | 9.14    | 10.70      | 35.12   | ppb   |
| Antimony   | 121-1 | 0.26    | 0.25    | 0.26    | 0.26       | 2.04    | ppb   |
| Arsenic    | 75-2  | 0.27    | 0.20    | 0.08    | 0.18       | 53.45   | ppb   |
| Barium     | 135-1 | 1.28    | 1.39    | 1.38    | 1.35       | 4.41    | ppb   |
| Barium     | 137-1 | 1.29    | 1.39    | 1.32    | 1.33       | 3.56    | ppb   |
| Beryllium  | 9-1   | 0.22    | 0.24    | 0.24    | 0.23       | 5.04    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 1.21    | 1.59    | 1.23    | 1.35       | 15.99   | ppb   |
| Boron      | 10-1  | 1.86    | 1.84    | 1.87    | 1.86       | 0.83    | ppb   |
| Cadmium    | 106-1 | -0.27   | -0.40   | 0.29    | -0.13      |         | ppb   |
| Cadmium    | 108-1 | 0.35    | 0.40    | 0.30    | 0.35       | 14.08   | ppb   |
| Cadmium    | 111-1 | 0.21    | 0.21    | 0.27    | 0.23       | 16.05   | ppb   |
| Calcium    | 43-1  | 13.77   | 21.07   | 5.82    | 13.55      | 56.24   | ppb   |
| Calcium    | 44-1  | 24.98   | 21.80   | 21.40   | 22.73      | 8.63    | ppb   |
| Chromium   | 52-2  | 0.14    | 0.21    | 0.21    | 0.19       | 21.40   | ppb   |
| Cobalt     | 59-2  | 0.28    | 0.23    | 0.21    | 0.24       | 14.95   | ppb   |
| Copper     | 63-2  | 0.41    | 0.53    | 0.46    | 0.47       | 12.55   | 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  | 13.25   | 13.30   | 14.08   | 13.54      | 3.46    | ppb   |
| Iron       | 57-2  | 11.66   | 11.31   | 9.94    | 10.97      | 8.25    | ppb   |
| Lead       | 206-1 | 0.24    | 0.22    | 0.29    | 0.25       | 15.27   | ppb   |
| Lead       | 207-1 | 0.24    | 0.25    | 0.26    | 0.25       | 3.99    | ppb   |
| Lead       | 208-1 | 0.26    | 0.24    | 0.26    | 0.26       | 3.94    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 27.52   | 32.14   | 27.76   | 29.14      | 8.92    | ppb   |
| Manganese  | 55-2  | 0.39    | 0.20    | 0.49    | 0.36       | 41.31   | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-14              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-14              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:26:23 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.19    | 0.24    | 0.23    | 0.22       | 9.81    | ppb   |
| Molybdenum | 94-1  | 0.24    | 0.26    | 0.26    | 0.25       | 3.66    | ppb   |
| Molybdenum | 95-1  | 0.23    | 0.24    | 0.19    | 0.22       | 12.71   | ppb   |
| Molybdenum | 96-1  | 0.23    | 0.22    | 0.23    | 0.23       | 3.92    | ppb   |
| Molybdenum | 97-1  | 0.26    | 0.18    | 0.24    | 0.22       | 19.01   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.22    | 0.27    | 0.34    | 0.28       | 22.03   | ppb   |
| Phosphorus | 31-2  | 1.96    | 1.95    | 1.96    | 1.95       | 0.27    | ppb   |
| Potassium  | 39-2  | -3.99   | -6.17   | 14.19   | 1.34       | 831.50  | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 3.80    | 0.00    | 7.65    | 3.82       | 100.26  | ppb   |
| Selenium   | 78-2  | 4.26    | 2.45    | -0.03   | 2.23       | 96.89   | ppb   |
| Selenium   | 82-1  | 1.04    | 2.56    | 2.59    | 2.06       | 42.85   | ppb   |
| Silicon    | 28-1  | -16.51  | -19.26  | -20.25  | -18.67     |         | ppb   |
| Silver     | 109-1 | 0.29    | 0.28    | 0.24    | 0.27       | 9.70    | ppb   |
| Silver     | 107-1 | 0.25    | 0.27    | 0.28    | 0.27       | 5.18    | ppb   |
| Sodium     | 23-2  | 44.00   | 47.07   | 38.61   | 43.23      | 9.91    | ppb   |
| Strontium  | 86-1  | 0.28    | 0.29    | 0.25    | 0.27       | 6.84    | ppb   |
| Strontium  | 88-1  | 0.27    | 0.27    | 0.25    | 0.26       | 3.99    | ppb   |
| Sulfur     | 34-1  | -280.69 | -819.50 | -887.28 | -662.49    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.25    | 0.26    | 0.21    | 0.24       | 11.42   | ppb   |
| Thallium   | 205-1 | 0.25    | 0.26    | 0.23    | 0.25       | 6.57    | ppb   |
| Tin        | 118-1 | 0.32    | 0.28    | 0.23    | 0.27       | 17.03   | ppb   |
| Titanium   | 47-1  | 0.34    | 0.16    | 0.27    | 0.26       | 34.25   | ppb   |
| Uranium    | 238-1 | 0.23    | 0.24    | 0.22    | 0.23       | 3.13    | ppb   |
| Vanadium   | 51-2  | 0.25    | 0.26    | 0.19    | 0.23       | 16.54   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.69    | 0.42    | 0.71    | 0.61       | 26.90   | ppb   |
| Zirconium  | 90-1  | 0.25    | 0.22    | 0.24    | 0.24       | 5.24    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-14              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-14              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:26:23 | DataFile Name :   | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.24    | 0.23    | 0.24    | 0.23       | 2.79    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV55               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV55               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 13:29:32 | DataFile Name :   | 036CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 51055.66  | 50682.86  | 50215.50  | 50651.34   | 0.83    | ppb   |
| Antimony   | 121-1 | 506.28    | 511.99    | 518.81    | 512.36     | 1.22    | ppb   |
| Arsenic    | 75-2  | 494.71    | 493.43    | 493.43    | 493.86     | 0.15    | ppb   |
| Barium     | 135-1 | 2511.11   | 2571.58   | 2576.30   | 2553.00    | 1.42    | ppb   |
| Barium     | 137-1 | 2519.59   | 2555.19   | 2552.11   | 2542.30    | 0.78    | ppb   |
| Beryllium  | 9-1   | 504.13    | 506.64    | 504.64    | 505.14     | 0.26    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 11-1  | 500.84    | 508.27    | 519.06    | 509.39     | 1.80    | ppb   |
| Boron      | 10-1  | 494.53    | 512.35    | 503.88    | 503.58     | 1.77    | ppb   |
| Cadmium    | 106-1 | 503.48    | 512.05    | 504.57    | 506.70     | 0.92    | ppb   |
| Cadmium    | 108-1 | 501.54    | 515.36    | 509.83    | 508.91     | 1.37    | ppb   |
| Cadmium    | 111-1 | 489.73    | 493.51    | 496.69    | 493.31     | 0.71    | ppb   |
| Calcium    | 43-1  | 246860.66 | 245744.83 | 245669.51 | 246091.67  | 0.27    | ppb   |
| Calcium    | 44-1  | 242098.35 | 241641.17 | 244942.52 | 242894.01  | 0.74    | ppb   |
| Chromium   | 52-2  | 518.10    | 511.01    | 506.04    | 511.72     | 1.18    | ppb   |
| Cobalt     | 59-2  | 498.94    | 497.01    | 492.79    | 496.25     | 0.63    | ppb   |
| Copper     | 63-2  | 1011.37   | 1000.99   | 994.95    | 1002.44    | 0.83    | 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  | 126694.44 | 126237.13 | 124854.75 | 125928.77  | 0.76    | ppb   |
| Iron       | 57-2  | 130615.34 | 128775.61 | 127658.61 | 129016.52  | 1.16    | ppb   |
| Lead       | 206-1 | 516.32    | 504.75    | 512.14    | 511.07     | 1.15    | ppb   |
| Lead       | 207-1 | 517.35    | 506.78    | 511.90    | 512.01     | 1.03    | ppb   |
| Lead       | 208-1 | 513.73    | 507.72    | 512.13    | 511.19     | 0.61    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 256110.29 | 254974.46 | 252025.52 | 254370.09  | 0.83    | ppb   |
| Manganese  | 55-2  | 1040.95   | 1033.13   | 1031.25   | 1035.11    | 0.50    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV55               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV55               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 13:29:32 | DataFile Name :   | 036CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 505.16    | 502.16    | 503.50    | 503.60     | 0.30    | ppb   |
| Molybdenum | 94-1  | 509.98    | 507.84    | 506.99    | 508.27     | 0.30    | ppb   |
| Molybdenum | 95-1  | 501.09    | 506.43    | 503.21    | 503.58     | 0.53    | ppb   |
| Molybdenum | 96-1  | 508.13    | 507.58    | 508.02    | 507.91     | 0.06    | ppb   |
| Molybdenum | 97-1  | 489.46    | 494.51    | 490.01    | 491.33     | 0.56    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 499.08    | 498.35    | 494.45    | 497.29     | 0.50    | ppb   |
| Phosphorus | 31-2  | 10020.75  | 10408.80  | 10419.65  | 10283.07   | 2.21    | ppb   |
| Potassium  | 39-2  | 131020.08 | 131011.15 | 131383.52 | 131138.25  | 0.16    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 448.51    | 521.85    | 587.35    | 519.24     | 13.38   | ppb   |
| Selenium   | 78-2  | 486.30    | 518.24    | 494.57    | 499.70     | 3.32    | ppb   |
| Selenium   | 82-1  | 498.40    | 492.26    | 491.33    | 493.99     | 0.78    | ppb   |
| Silicon    | 28-1  | 521.58    | 527.13    | 536.88    | 528.53     | 1.47    | ppb   |
| Silver     | 109-1 | 498.07    | 511.13    | 505.76    | 504.98     | 1.30    | ppb   |
| Silver     | 107-1 | 502.56    | 510.31    | 506.07    | 506.31     | 0.77    | ppb   |
| Sodium     | 23-2  | 255969.29 | 254850.14 | 251336.29 | 254051.91  | 0.95    | ppb   |
| Strontium  | 86-1  | 520.39    | 507.01    | 503.77    | 510.39     | 1.73    | ppb   |
| Strontium  | 88-1  | 520.27    | 514.03    | 513.28    | 515.86     | 0.74    | ppb   |
| Sulfur     | 34-1  | 9482.69   | 9419.14   | 9531.13   | 9477.65    | 0.59    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 512.42    | 507.62    | 519.57    | 513.21     | 1.17    | ppb   |
| Thallium   | 205-1 | 507.78    | 502.41    | 508.52    | 506.24     | 0.66    | ppb   |
| Tin        | 118-1 | 506.39    | 518.03    | 519.29    | 514.57     | 1.38    | ppb   |
| Titanium   | 47-1  | 501.29    | 501.63    | 502.29    | 501.74     | 0.10    | ppb   |
| Uranium    | 238-1 | 509.89    | 505.34    | 509.83    | 508.35     | 0.51    | ppb   |
| Vanadium   | 51-2  | 523.82    | 513.12    | 510.08    | 515.67     | 1.40    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 1002.28   | 1002.14   | 996.58    | 1000.33    | 0.33    | ppb   |
| Zirconium  | 90-1  | 502.59    | 502.88    | 501.79    | 502.42     | 0.11    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV55               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV55               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 13:29:32 | DataFile Name :   | 036CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 505.34  | 509.48  | 502.93  | 505.92     | 0.65    | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : CCB55 Instrumnet Name : P8  
 Client Sample ID : CCB55 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 13:32:31 DataFile Name : 037CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -3.70   | -2.46   | -0.05   | -2.07      |         | ppb   |
| Antimony   | 121-1 | 0.30    | 0.28    | 0.22    | 0.27       | 14.87   | ppb   |
| Arsenic    | 75-2  | -0.02   | 0.02    | -0.01   | 0.00       |         | ppb   |
| Barium     | 135-1 | 0.12    | 0.03    | -0.01   | 0.05       | 131.11  | ppb   |
| Barium     | 137-1 | 0.10    | 0.04    | -0.02   | 0.04       | 166.63  | ppb   |
| Beryllium  | 9-1   | 0.11    | 0.10    | 0.06    | 0.09       | 27.44   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 10.13   | 9.96    | 9.01    | 9.70       | 6.22    | ppb   |
| Boron      | 10-1  | 11.78   | 10.80   | 7.37    | 9.98       | 23.18   | ppb   |
| Cadmium    | 106-1 | -0.34   | 0.05    | -0.76   | -0.35      |         | ppb   |
| Cadmium    | 108-1 | 0.15    | 0.12    | 0.06    | 0.11       | 39.22   | ppb   |
| Cadmium    | 111-1 | 0.02    | 0.00    | -0.05   | -0.01      |         | ppb   |
| Calcium    | 43-1  | 2.37    | -9.07   | -4.44   | -3.71      |         | ppb   |
| Calcium    | 44-1  | 14.10   | 6.14    | 1.94    | 7.40       | 83.50   | ppb   |
| Chromium   | 52-2  | 0.01    | 0.02    | -0.04   | 0.00       |         | ppb   |
| Cobalt     | 59-2  | 0.00    | -0.02   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.02    | -0.01   | -0.03   | -0.01      |         | 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  | 1.86    | 1.54    | 1.77    | 1.72       | 9.62    | ppb   |
| Iron       | 57-2  | 1.20    | 2.83    | 1.27    | 1.77       | 52.03   | ppb   |
| Lead       | 206-1 | 0.05    | 0.04    | 0.05    | 0.05       | 17.63   | ppb   |
| Lead       | 207-1 | 0.09    | 0.04    | 0.05    | 0.06       | 42.80   | ppb   |
| Lead       | 208-1 | 0.07    | 0.06    | 0.05    | 0.06       | 21.93   | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | -0.17   | 2.78    | 2.89    | 1.83       | 94.64   | ppb   |
| Manganese  | 55-2  | -0.02   | -0.16   | -0.07   | -0.08      |         | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : CCB55 Instrumnet Name : P8  
 Client Sample ID : CCB55 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 13:32:31 DataFile Name : 037CCBE.d

| Parameter  | Mass  | ConRep1  | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.08     | 0.05    | 0.02    | 0.05       | 60.62   | ppb   |
| Molybdenum | 94-1  | 0.07     | 0.03    | 0.05    | 0.05       | 37.25   | ppb   |
| Molybdenum | 95-1  | 0.07     | 0.07    | 0.03    | 0.06       | 38.14   | ppb   |
| Molybdenum | 96-1  | 0.07     | 0.06    | 0.03    | 0.05       | 43.65   | ppb   |
| Molybdenum | 97-1  | 0.07     | 0.05    | 0.01    | 0.04       | 77.23   | ppb   |
| Neodymium  | 150-1 |          |         |         |            |         | cps   |
| Neodymium  | 150-2 |          |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.23     | 0.12    | -0.06   | 0.10       | 154.10  | ppb   |
| Phosphorus | 31-2  | -14.23   | -14.23  | 19.51   | -2.98      |         | ppb   |
| Potassium  | 39-2  | 29.72    | 1.38    | 8.43    | 13.18      | 111.95  | ppb   |
| Rhodium    | 103-1 |          |         |         |            |         | %     |
| Rhodium    | 103-2 |          |         |         |            |         | %     |
| Scandium   | 45-1  |          |         |         |            |         | %     |
| Scandium   | 45-2  |          |         |         |            |         | %     |
| Selenium   | 77-2  | 4.50     | 0.00    | 0.00    | 1.50       | 173.21  | ppb   |
| Selenium   | 78-2  | 0.07     | -0.01   | 1.27    | 0.45       | 160.40  | ppb   |
| Selenium   | 82-1  | 0.32     | 0.69    | -0.01   | 0.34       | 104.58  | ppb   |
| Silicon    | 28-1  | -20.26   | -17.65  | -19.49  | -19.14     |         | ppb   |
| Silver     | 109-1 | 0.05     | 0.03    | 0.01    | 0.03       | 59.37   | ppb   |
| Silver     | 107-1 | 0.05     | 0.04    | 0.01    | 0.03       | 58.90   | ppb   |
| Sodium     | 23-2  | 89.99    | 73.63   | 69.71   | 77.78      | 13.83   | ppb   |
| Strontium  | 86-1  | 0.03     | -0.01   | -0.07   | -0.02      |         | ppb   |
| Strontium  | 88-1  | 0.03     | 0.01    | 0.00    | 0.02       | 97.67   | ppb   |
| Sulfur     | 34-1  | -1253.24 | -859.21 | -939.59 | -1017.35   |         | ppb   |
| Terbium    | 159-1 |          |         |         |            |         | %     |
| Terbium    | 159-2 |          |         |         |            |         | %     |
| Thallium   | 203-1 | 0.15     | 0.12    | 0.10    | 0.12       | 21.00   | ppb   |
| Thallium   | 205-1 | 0.15     | 0.14    | 0.11    | 0.13       | 18.63   | ppb   |
| Tin        | 118-1 | 0.27     | 0.22    | 0.21    | 0.23       | 11.85   | ppb   |
| Titanium   | 47-1  | 0.11     | 0.10    | 0.09    | 0.10       | 11.20   | ppb   |
| Uranium    | 238-1 | 0.03     | 0.01    | 0.00    | 0.01       | 130.00  | ppb   |
| Vanadium   | 51-2  | -0.01    | 0.01    | 0.00    | 0.00       |         | ppb   |
| Yttrium    | 89-1  |          |         |         |            |         | %     |
| Yttrium    | 89-2  |          |         |         |            |         | %     |
| Zinc       | 66-2  | 0.20     | 0.05    | 0.05    | 0.10       | 84.01   | ppb   |
| Zirconium  | 90-1  | 0.08     | 0.05    | 0.04    | 0.06       | 29.99   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB55               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB55               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:32:31 | DataFile Name :   | 037CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.11    | 0.05    | 0.06    | 0.07       | 47.53   | ppb   |



LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : IDL-15 Instrumnet Name : P8  
 Client Sample ID : IDL-15 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 13:44:06 DataFile Name : 038SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 14.26   | 16.52   | 17.39   | 16.06      | 10.06   | ppb   |
| Antimony   | 121-1 | 0.28    | 0.27    | 0.26    | 0.27       | 3.72    | ppb   |
| Arsenic    | 75-2  | 0.20    | 0.25    | 0.19    | 0.21       | 15.22   | ppb   |
| Barium     | 135-1 | 1.34    | 1.35    | 1.17    | 1.28       | 7.80    | ppb   |
| Barium     | 137-1 | 1.35    | 1.29    | 1.26    | 1.30       | 3.38    | ppb   |
| Beryllium  | 9-1   | 0.30    | 0.38    | 0.48    | 0.39       | 23.33   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 2.32    | 2.41    | 2.29    | 2.34       | 2.61    | ppb   |
| Boron      | 10-1  | 3.10    | 2.47    | 2.53    | 2.70       | 12.76   | ppb   |
| Cadmium    | 106-1 | 0.83    | -1.12   | -0.82   | -0.37      |         | ppb   |
| Cadmium    | 108-1 | 0.45    | 0.36    | 0.50    | 0.43       | 16.48   | ppb   |
| Cadmium    | 111-1 | 0.35    | 0.19    | 0.20    | 0.25       | 36.43   | ppb   |
| Calcium    | 43-1  | 6.34    | 23.97   | 24.35   | 18.22      | 56.47   | ppb   |
| Calcium    | 44-1  | 20.44   | 22.11   | 22.65   | 21.73      | 5.30    | ppb   |
| Chromium   | 52-2  | 0.21    | 0.14    | 0.18    | 0.18       | 18.91   | ppb   |
| Cobalt     | 59-2  | 0.28    | 0.25    | 0.30    | 0.28       | 10.09   | ppb   |
| Copper     | 63-2  | 0.53    | 0.47    | 0.48    | 0.50       | 6.28    | 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  | 12.29   | 13.68   | 12.86   | 12.95      | 5.41    | ppb   |
| Iron       | 57-2  | 16.62   | 14.73   | 13.08   | 14.81      | 11.93   | ppb   |
| Lead       | 206-1 | 0.35    | 0.30    | 0.31    | 0.32       | 8.80    | ppb   |
| Lead       | 207-1 | 0.34    | 0.32    | 0.30    | 0.32       | 5.84    | ppb   |
| Lead       | 208-1 | 0.33    | 0.32    | 0.29    | 0.32       | 6.53    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 27.82   | 25.62   | 27.63   | 27.02      | 4.52    | ppb   |
| Manganese  | 55-2  | 0.56    | 0.42    | 0.35    | 0.44       | 24.70   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-15              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-15              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:44:06 | DataFile Name :   | 038SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.29    | 0.21    | 0.25     | 0.25       | 15.38   | ppb   |
| Molybdenum | 94-1  | 0.27    | 0.22    | 0.26     | 0.25       | 9.27    | ppb   |
| Molybdenum | 95-1  | 0.23    | 0.33    | 0.23     | 0.26       | 20.57   | ppb   |
| Molybdenum | 96-1  | 0.25    | 0.23    | 0.29     | 0.26       | 12.06   | ppb   |
| Molybdenum | 97-1  | 0.28    | 0.22    | 0.20     | 0.24       | 17.80   | ppb   |
| Neodymium  | 150-1 |         |         |          |            |         | cps   |
| Neodymium  | 150-2 |         |         |          |            |         | cps   |
| Nickel     | 60-2  | 0.30    | 0.27    | 0.22     | 0.26       | 14.44   | ppb   |
| Phosphorus | 31-2  | 2.37    | 2.26    | 18.27    | 7.63       | 120.72  | ppb   |
| Potassium  | 39-2  | 15.45   | 22.63   | 12.36    | 16.81      | 31.35   | ppb   |
| Rhodium    | 103-1 |         |         |          |            |         | %     |
| Rhodium    | 103-2 |         |         |          |            |         | %     |
| Scandium   | 45-1  |         |         |          |            |         | %     |
| Scandium   | 45-2  |         |         |          |            |         | %     |
| Selenium   | 77-2  | 3.91    | 0.00    | 7.78     | 3.90       | 99.86   | ppb   |
| Selenium   | 78-2  | 2.51    | 1.24    | 2.49     | 2.08       | 34.81   | ppb   |
| Selenium   | 82-1  | 2.12    | 1.59    | 2.02     | 1.91       | 14.83   | ppb   |
| Silicon    | 28-1  | -21.93  | -22.23  | -23.82   | -22.66     |         | ppb   |
| Silver     | 109-1 | 0.27    | 0.24    | 0.25     | 0.25       | 5.38    | ppb   |
| Silver     | 107-1 | 0.26    | 0.23    | 0.25     | 0.25       | 6.21    | ppb   |
| Sodium     | 23-2  | 58.48   | 53.60   | 56.22    | 56.10      | 4.35    | ppb   |
| Strontium  | 86-1  | 0.23    | 0.20    | 0.20     | 0.21       | 9.24    | ppb   |
| Strontium  | 88-1  | 0.25    | 0.24    | 0.25     | 0.25       | 2.77    | ppb   |
| Sulfur     | 34-1  | -912.67 | -961.27 | -1171.55 | -1015.16   |         | ppb   |
| Terbium    | 159-1 |         |         |          |            |         | %     |
| Terbium    | 159-2 |         |         |          |            |         | %     |
| Thallium   | 203-1 | 0.30    | 0.28    | 0.25     | 0.27       | 8.43    | ppb   |
| Thallium   | 205-1 | 0.28    | 0.26    | 0.26     | 0.27       | 3.53    | ppb   |
| Tin        | 118-1 | 0.26    | 0.26    | 0.28     | 0.26       | 3.76    | ppb   |
| Titanium   | 47-1  | 0.26    | 0.36    | 0.37     | 0.33       | 17.92   | ppb   |
| Uranium    | 238-1 | 0.32    | 0.30    | 0.30     | 0.30       | 4.16    | ppb   |
| Vanadium   | 51-2  | 0.33    | 0.24    | 0.23     | 0.27       | 19.84   | ppb   |
| Yttrium    | 89-1  |         |         |          |            |         | %     |
| Yttrium    | 89-2  |         |         |          |            |         | %     |
| Zinc       | 66-2  | 0.94    | 0.92    | 0.96     | 0.94       | 2.52    | ppb   |
| Zirconium  | 90-1  | 0.23    | 0.23    | 0.28     | 0.25       | 10.13   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-15              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-15              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:44:06 | DataFile Name :   | 038SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.26    | 0.30    | 0.23    | 0.27       | 12.82   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-16              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-16              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:47:14 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 4.55    | 9.36    | 14.08   | 9.33       | 51.10   | ppb   |
| Antimony   | 121-1 | 0.30    | 0.28    | 0.30    | 0.29       | 3.05    | ppb   |
| Arsenic    | 75-2  | 0.17    | 0.20    | 0.31    | 0.23       | 32.83   | ppb   |
| Barium     | 135-1 | 1.31    | 1.25    | 1.33    | 1.29       | 3.33    | ppb   |
| Barium     | 137-1 | 1.37    | 1.35    | 1.28    | 1.33       | 3.59    | ppb   |
| Beryllium  | 9-1   | 0.25    | 0.18    | 0.30    | 0.24       | 25.24   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 2.17    | 1.91    | 1.64    | 1.90       | 14.05   | ppb   |
| Boron      | 10-1  | 2.05    | 2.32    | 2.18    | 2.18       | 6.23    | ppb   |
| Cadmium    | 106-1 | 1.06    | 0.52    | 0.20    | 0.59       | 73.89   | ppb   |
| Cadmium    | 108-1 | 0.19    | 0.42    | 0.12    | 0.25       | 62.85   | ppb   |
| Cadmium    | 111-1 | 0.36    | 0.31    | 0.28    | 0.32       | 11.94   | ppb   |
| Calcium    | 43-1  | 25.39   | 11.88   | 21.67   | 19.65      | 35.50   | ppb   |
| Calcium    | 44-1  | 26.58   | 17.26   | 25.43   | 23.09      | 22.01   | ppb   |
| Chromium   | 52-2  | 0.13    | 0.20    | 0.26    | 0.20       | 30.94   | ppb   |
| Cobalt     | 59-2  | 0.27    | 0.25    | 0.24    | 0.26       | 6.52    | ppb   |
| Copper     | 63-2  | 0.50    | 0.50    | 0.41    | 0.47       | 10.93   | 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  | 13.61   | 14.21   | 14.17   | 14.00      | 2.36    | ppb   |
| Iron       | 57-2  | 11.46   | 12.26   | 10.16   | 11.29      | 9.40    | ppb   |
| Lead       | 206-1 | 0.25    | 0.26    | 0.23    | 0.25       | 6.37    | ppb   |
| Lead       | 207-1 | 0.26    | 0.25    | 0.28    | 0.26       | 5.26    | ppb   |
| Lead       | 208-1 | 0.27    | 0.26    | 0.25    | 0.26       | 3.66    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 30.03   | 28.04   | 29.24   | 29.10      | 3.44    | ppb   |
| Manganese  | 55-2  | 0.31    | 0.53    | 0.42    | 0.42       | 25.63   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-16              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-16              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:47:14 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2  | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|----------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.24    | 0.24     | 0.24    | 0.24       | 1.01    | ppb   |
| Molybdenum | 94-1  | 0.26    | 0.24     | 0.26    | 0.25       | 4.22    | ppb   |
| Molybdenum | 95-1  | 0.24    | 0.26     | 0.24    | 0.25       | 4.93    | ppb   |
| Molybdenum | 96-1  | 0.23    | 0.23     | 0.22    | 0.23       | 3.95    | ppb   |
| Molybdenum | 97-1  | 0.23    | 0.21     | 0.25    | 0.23       | 7.21    | ppb   |
| Neodymium  | 150-1 |         |          |         |            |         | cps   |
| Neodymium  | 150-2 |         |          |         |            |         | cps   |
| Nickel     | 60-2  | 0.18    | 0.20     | 0.28    | 0.22       | 23.53   | ppb   |
| Phosphorus | 31-2  | 2.11    | 18.70    | 2.20    | 7.67       | 124.52  | ppb   |
| Potassium  | 39-2  | 24.68   | 24.38    | -4.03   | 15.01      | 109.88  | ppb   |
| Rhodium    | 103-1 |         |          |         |            |         | %     |
| Rhodium    | 103-2 |         |          |         |            |         | %     |
| Scandium   | 45-1  |         |          |         |            |         | %     |
| Scandium   | 45-2  |         |          |         |            |         | %     |
| Selenium   | 77-2  | 7.75    | 3.86     | 0.00    | 3.87       | 100.10  | ppb   |
| Selenium   | 78-2  | 0.60    | 1.22     | 1.25    | 1.03       | 36.11   | ppb   |
| Selenium   | 82-1  | 1.55    | 2.68     | 2.00    | 2.08       | 27.38   | ppb   |
| Silicon    | 28-1  | -12.59  | -21.66   | -22.33  | -18.86     |         | ppb   |
| Silver     | 109-1 | 0.29    | 0.30     | 0.28    | 0.29       | 3.11    | ppb   |
| Silver     | 107-1 | 0.28    | 0.24     | 0.25    | 0.26       | 7.44    | ppb   |
| Sodium     | 23-2  | 59.39   | 58.96    | 49.77   | 56.04      | 9.70    | ppb   |
| Strontium  | 86-1  | 0.29    | 0.24     | 0.25    | 0.26       | 12.18   | ppb   |
| Strontium  | 88-1  | 0.27    | 0.26     | 0.25    | 0.26       | 5.17    | ppb   |
| Sulfur     | 34-1  | -269.99 | -1092.27 | -846.18 | -736.14    |         | ppb   |
| Terbium    | 159-1 |         |          |         |            |         | %     |
| Terbium    | 159-2 |         |          |         |            |         | %     |
| Thallium   | 203-1 | 0.27    | 0.24     | 0.25    | 0.25       | 4.50    | ppb   |
| Thallium   | 205-1 | 0.27    | 0.28     | 0.24    | 0.26       | 6.71    | ppb   |
| Tin        | 118-1 | 0.33    | 0.28     | 0.26    | 0.29       | 12.42   | ppb   |
| Titanium   | 47-1  | 0.36    | 0.49     | 0.27    | 0.37       | 29.66   | ppb   |
| Uranium    | 238-1 | 0.25    | 0.22     | 0.25    | 0.24       | 7.79    | ppb   |
| Vanadium   | 51-2  | 0.24    | 0.24     | 0.29    | 0.25       | 10.77   | ppb   |
| Yttrium    | 89-1  |         |          |         |            |         | %     |
| Yttrium    | 89-2  |         |          |         |            |         | %     |
| Zinc       | 66-2  | 0.68    | 0.81     | 0.53    | 0.67       | 20.55   | ppb   |
| Zirconium  | 90-1  | 0.25    | 0.24     | 0.25    | 0.25       | 1.94    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-16              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-16              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:47:14 | DataFile Name :   | 039SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.26    | 0.25    | 0.24    | 0.25       | 3.75    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-17              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-17              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:50:23 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 12.58   | 6.98    | 18.55   | 12.70      | 45.53   | ppb   |
| Antimony   | 121-1 | 0.29    | 0.27    | 0.27    | 0.28       | 3.86    | ppb   |
| Arsenic    | 75-2  | 0.29    | 0.31    | 0.26    | 0.29       | 8.47    | ppb   |
| Barium     | 135-1 | 1.35    | 1.31    | 1.15    | 1.27       | 8.66    | ppb   |
| Barium     | 137-1 | 1.32    | 1.39    | 1.32    | 1.34       | 3.26    | ppb   |
| Beryllium  | 9-1   | 0.21    | 0.23    | 0.23    | 0.22       | 5.85    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 1.48    | 1.53    | 1.90    | 1.64       | 13.93   | ppb   |
| Boron      | 10-1  | 3.00    | 1.60    | 2.38    | 2.33       | 30.03   | ppb   |
| Cadmium    | 106-1 | -1.37   | -0.62   | -1.19   | -1.06      |         | ppb   |
| Cadmium    | 108-1 | 0.21    | 0.10    | 0.45    | 0.25       | 71.70   | ppb   |
| Cadmium    | 111-1 | 0.13    | 0.19    | 0.17    | 0.16       | 19.73   | ppb   |
| Calcium    | 43-1  | 25.33   | 30.06   | 24.08   | 26.49      | 11.91   | ppb   |
| Calcium    | 44-1  | 28.34   | 30.37   | 31.24   | 29.98      | 4.97    | ppb   |
| Chromium   | 52-2  | 0.05    | 0.11    | 0.14    | 0.10       | 46.35   | ppb   |
| Cobalt     | 59-2  | 0.21    | 0.24    | 0.30    | 0.25       | 17.03   | ppb   |
| Copper     | 63-2  | 0.43    | 0.52    | 0.58    | 0.51       | 14.74   | 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  | 14.46   | 13.94   | 14.19   | 14.20      | 1.86    | ppb   |
| Iron       | 57-2  | 14.32   | 11.57   | 15.83   | 13.91      | 15.54   | ppb   |
| Lead       | 206-1 | 0.23    | 0.26    | 0.25    | 0.25       | 6.56    | ppb   |
| Lead       | 207-1 | 0.23    | 0.25    | 0.29    | 0.26       | 10.90   | ppb   |
| Lead       | 208-1 | 0.25    | 0.26    | 0.26    | 0.25       | 2.78    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 26.66   | 29.04   | 29.11   | 28.27      | 4.94    | ppb   |
| Manganese  | 55-2  | 0.28    | 0.42    | 0.48    | 0.39       | 25.44   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-17              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-17              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:50:23 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.22    | 0.21    | 0.26    | 0.23       | 10.48   | ppb   |
| Molybdenum | 94-1  | 0.25    | 0.25    | 0.26    | 0.25       | 2.03    | ppb   |
| Molybdenum | 95-1  | 0.27    | 0.23    | 0.23    | 0.24       | 10.36   | ppb   |
| Molybdenum | 96-1  | 0.24    | 0.24    | 0.25    | 0.24       | 1.85    | ppb   |
| Molybdenum | 97-1  | 0.20    | 0.23    | 0.24    | 0.22       | 10.13   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.28    | 0.20    | 0.24    | 0.24       | 16.05   | ppb   |
| Phosphorus | 31-2  | 1.89    | 18.70   | 20.05   | 13.55      | 74.68   | ppb   |
| Potassium  | 39-2  | 10.16   | 22.30   | 30.11   | 20.86      | 48.20   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 18.95   | 4.11    | 7.69       | 129.72  | ppb   |
| Selenium   | 78-2  | 0.59    | 1.19    | 2.01    | 1.26       | 56.25   | ppb   |
| Selenium   | 82-1  | 2.59    | 2.50    | 2.82    | 2.64       | 6.16    | ppb   |
| Silicon    | 28-1  | -18.12  | -21.05  | -21.64  | -20.27     |         | ppb   |
| Silver     | 109-1 | 0.28    | 0.29    | 0.30    | 0.29       | 4.02    | ppb   |
| Silver     | 107-1 | 0.26    | 0.26    | 0.27    | 0.26       | 1.15    | ppb   |
| Sodium     | 23-2  | 48.13   | 48.88   | 55.69   | 50.90      | 8.19    | ppb   |
| Strontium  | 86-1  | 0.27    | 0.17    | 0.16    | 0.20       | 29.76   | ppb   |
| Strontium  | 88-1  | 0.25    | 0.27    | 0.27    | 0.26       | 3.09    | ppb   |
| Sulfur     | 34-1  | -697.64 | -688.64 | -842.23 | -742.84    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.25    | 0.25    | 0.25    | 0.25       | 1.03    | ppb   |
| Thallium   | 205-1 | 0.25    | 0.24    | 0.24    | 0.25       | 2.08    | ppb   |
| Tin        | 118-1 | 0.24    | 0.28    | 0.23    | 0.25       | 11.08   | ppb   |
| Titanium   | 47-1  | 0.35    | 0.46    | 0.28    | 0.36       | 25.74   | ppb   |
| Uranium    | 238-1 | 0.24    | 0.25    | 0.24    | 0.24       | 2.66    | ppb   |
| Vanadium   | 51-2  | 0.29    | 0.28    | 0.29    | 0.29       | 3.04    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.64    | 0.72    | 1.07    | 0.81       | 27.77   | ppb   |
| Zirconium  | 90-1  | 0.27    | 0.24    | 0.27    | 0.26       | 5.38    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-17              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-17              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:50:23 | DataFile Name :   | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.26    | 0.27    | 0.23    | 0.25       | 9.02    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-18              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-18              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:53:31 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 12.91   | 11.82   | 23.15   | 15.96      | 39.17   | ppb   |
| Antimony   | 121-1 | 0.26    | 0.25    | 0.27    | 0.26       | 4.07    | ppb   |
| Arsenic    | 75-2  | 0.23    | 0.21    | 0.17    | 0.20       | 14.61   | ppb   |
| Barium     | 135-1 | 1.01    | 1.27    | 1.17    | 1.15       | 11.28   | ppb   |
| Barium     | 137-1 | 1.27    | 1.27    | 1.25    | 1.26       | 0.96    | ppb   |
| Beryllium  | 9-1   | 0.20    | 0.22    | 0.24    | 0.22       | 8.63    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 1.30    | 1.48    | 1.06    | 1.28       | 16.50   | ppb   |
| Boron      | 10-1  | 1.67    | 1.72    | 1.62    | 1.67       | 2.97    | ppb   |
| Cadmium    | 106-1 | -0.06   | -1.13   | 0.05    | -0.38      |         | ppb   |
| Cadmium    | 108-1 | 0.43    | 0.28    | 0.42    | 0.37       | 22.74   | ppb   |
| Cadmium    | 111-1 | 0.20    | 0.15    | 0.22    | 0.19       | 19.30   | ppb   |
| Calcium    | 43-1  | 5.14    | 20.01   | 12.39   | 12.51      | 59.40   | ppb   |
| Calcium    | 44-1  | 21.40   | 19.22   | 19.30   | 19.97      | 6.20    | ppb   |
| Chromium   | 52-2  | 0.15    | 0.11    | 0.13    | 0.13       | 12.57   | ppb   |
| Cobalt     | 59-2  | 0.29    | 0.23    | 0.22    | 0.25       | 16.41   | ppb   |
| Copper     | 63-2  | 0.41    | 0.51    | 0.44    | 0.45       | 11.05   | 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  | 12.17   | 13.19   | 13.56   | 12.97      | 5.54    | ppb   |
| Iron       | 57-2  | 10.52   | 13.76   | 13.44   | 12.57      | 14.20   | ppb   |
| Lead       | 206-1 | 0.25    | 0.23    | 0.23    | 0.24       | 4.28    | ppb   |
| Lead       | 207-1 | 0.23    | 0.23    | 0.24    | 0.23       | 2.50    | ppb   |
| Lead       | 208-1 | 0.24    | 0.23    | 0.24    | 0.24       | 1.32    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 27.78   | 22.24   | 29.21   | 26.41      | 13.94   | ppb   |
| Manganese  | 55-2  | 0.38    | 0.37    | 0.39    | 0.38       | 2.09    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-18              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-18              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:53:31 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|----------|------------|---------|-------|
| Molybdenum | 98-1  | 0.21    | 0.23    | 0.20     | 0.21       | 6.39    | ppb   |
| Molybdenum | 94-1  | 0.21    | 0.23    | 0.19     | 0.21       | 10.32   | ppb   |
| Molybdenum | 95-1  | 0.16    | 0.22    | 0.19     | 0.19       | 14.96   | ppb   |
| Molybdenum | 96-1  | 0.18    | 0.22    | 0.19     | 0.20       | 9.66    | ppb   |
| Molybdenum | 97-1  | 0.23    | 0.25    | 0.18     | 0.22       | 16.35   | ppb   |
| Neodymium  | 150-1 |         |         |          |            |         | cps   |
| Neodymium  | 150-2 |         |         |          |            |         | cps   |
| Nickel     | 60-2  | 0.29    | 0.20    | 0.24     | 0.24       | 19.17   | ppb   |
| Phosphorus | 31-2  | 35.12   | 2.32    | -14.23   | 7.74       | 324.56  | ppb   |
| Potassium  | 39-2  | 14.18   | 14.90   | 15.52    | 14.87      | 4.52    | 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  | 1.84    | 1.86    | 3.76     | 2.49       | 44.43   | ppb   |
| Selenium   | 82-1  | 2.25    | 1.31    | 1.53     | 1.69       | 29.10   | ppb   |
| Silicon    | 28-1  | -22.72  | -19.34  | -21.80   | -21.29     |         | ppb   |
| Silver     | 109-1 | 0.25    | 0.24    | 0.25     | 0.25       | 2.43    | ppb   |
| Silver     | 107-1 | 0.23    | 0.24    | 0.25     | 0.24       | 3.95    | ppb   |
| Sodium     | 23-2  | 49.94   | 50.07   | 49.27    | 49.76      | 0.86    | ppb   |
| Strontium  | 86-1  | 0.21    | 0.26    | 0.23     | 0.23       | 11.38   | ppb   |
| Strontium  | 88-1  | 0.24    | 0.23    | 0.23     | 0.24       | 2.25    | ppb   |
| Sulfur     | 34-1  | -752.77 | -818.68 | -1039.28 | -870.24    |         | ppb   |
| Terbium    | 159-1 |         |         |          |            |         | %     |
| Terbium    | 159-2 |         |         |          |            |         | %     |
| Thallium   | 203-1 | 0.24    | 0.22    | 0.26     | 0.24       | 8.25    | ppb   |
| Thallium   | 205-1 | 0.25    | 0.24    | 0.26     | 0.25       | 5.26    | ppb   |
| Tin        | 118-1 | 0.26    | 0.24    | 0.26     | 0.25       | 6.00    | ppb   |
| Titanium   | 47-1  | 0.24    | 0.40    | 0.33     | 0.32       | 25.15   | ppb   |
| Uranium    | 238-1 | 0.22    | 0.22    | 0.22     | 0.22       | 0.42    | ppb   |
| Vanadium   | 51-2  | 0.22    | 0.25    | 0.23     | 0.23       | 8.40    | ppb   |
| Yttrium    | 89-1  |         |         |          |            |         | %     |
| Yttrium    | 89-2  |         |         |          |            |         | %     |
| Zinc       | 66-2  | 0.74    | 0.32    | 0.53     | 0.53       | 39.43   | ppb   |
| Zirconium  | 90-1  | 0.22    | 0.22    | 0.21     | 0.22       | 3.11    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-18              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-18              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:53:31 | DataFile Name :   | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.26    | 0.25    | 0.24    | 0.25       | 3.99    | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : IDL-19 Instrumnet Name : P8  
 Client Sample ID : IDL-19 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 13:56:40 DataFile Name : 042SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 15.00   | 14.06   | 16.12   | 15.06      | 6.85    | ppb   |
| Antimony   | 121-1 | 0.26    | 0.28    | 0.28    | 0.27       | 2.80    | ppb   |
| Arsenic    | 75-2  | 0.16    | 0.21    | 0.23    | 0.20       | 16.66   | ppb   |
| Barium     | 135-1 | 1.21    | 1.40    | 1.37    | 1.33       | 7.70    | ppb   |
| Barium     | 137-1 | 1.14    | 1.21    | 1.23    | 1.19       | 3.88    | ppb   |
| Beryllium  | 9-1   | 0.27    | 0.20    | 0.19    | 0.22       | 19.78   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 1.61    | 1.35    | 1.29    | 1.42       | 11.90   | ppb   |
| Boron      | 10-1  | 1.69    | 1.08    | 1.40    | 1.39       | 21.83   | ppb   |
| Cadmium    | 106-1 | -0.54   | 0.21    | -0.33   | -0.22      |         | ppb   |
| Cadmium    | 108-1 | 0.18    | 0.12    | 0.39    | 0.23       | 60.34   | ppb   |
| Cadmium    | 111-1 | 0.20    | 0.26    | 0.22    | 0.23       | 13.69   | ppb   |
| Calcium    | 43-1  | -4.10   | 23.96   | 5.76    | 8.54       | 166.70  | ppb   |
| Calcium    | 44-1  | 20.20   | 21.90   | 18.29   | 20.13      | 8.99    | ppb   |
| Chromium   | 52-2  | 0.21    | 0.14    | 0.17    | 0.18       | 19.46   | ppb   |
| Cobalt     | 59-2  | 0.27    | 0.26    | 0.24    | 0.26       | 6.99    | ppb   |
| Copper     | 63-2  | 0.50    | 0.54    | 0.46    | 0.50       | 8.09    | 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  | 14.35   | 13.08   | 13.69   | 13.71      | 4.64    | ppb   |
| Iron       | 57-2  | 13.82   | 15.00   | 17.78   | 15.53      | 13.11   | ppb   |
| Lead       | 206-1 | 0.25    | 0.25    | 0.22    | 0.24       | 7.68    | ppb   |
| Lead       | 207-1 | 0.26    | 0.21    | 0.26    | 0.25       | 11.64   | ppb   |
| Lead       | 208-1 | 0.24    | 0.23    | 0.24    | 0.24       | 2.33    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 28.10   | 29.20   | 35.52   | 30.94      | 12.94   | ppb   |
| Manganese  | 55-2  | 0.57    | 0.36    | 0.42    | 0.45       | 25.16   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-19              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-19              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:56:40 | DataFile Name :   | 042SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.19    | 0.23    | 0.20    | 0.21       | 10.44   | ppb   |
| Molybdenum | 94-1  | 0.24    | 0.26    | 0.24    | 0.25       | 4.92    | ppb   |
| Molybdenum | 95-1  | 0.21    | 0.22    | 0.22    | 0.21       | 4.17    | ppb   |
| Molybdenum | 96-1  | 0.23    | 0.22    | 0.21    | 0.22       | 4.72    | ppb   |
| Molybdenum | 97-1  | 0.24    | 0.21    | 0.20    | 0.22       | 10.23   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.32    | 0.30    | 0.17    | 0.26       | 30.64   | ppb   |
| Phosphorus | 31-2  | 37.63   | -14.23  | 50.46   | 24.62      | 139.10  | ppb   |
| Potassium  | 39-2  | 48.20   | 2.07    | 2.80    | 17.69      | 149.41  | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 3.82    | 1.27       | 173.21  | ppb   |
| Selenium   | 78-2  | 2.60    | 3.09    | 4.28    | 3.33       | 26.02   | ppb   |
| Selenium   | 82-1  | 2.81    | 1.20    | 2.51    | 2.18       | 39.32   | ppb   |
| Silicon    | 28-1  | -21.52  | -19.38  | -22.93  | -21.27     |         | ppb   |
| Silver     | 109-1 | 0.29    | 0.30    | 0.26    | 0.28       | 7.11    | ppb   |
| Silver     | 107-1 | 0.27    | 0.28    | 0.26    | 0.27       | 2.24    | ppb   |
| Sodium     | 23-2  | 48.09   | 47.18   | 45.07   | 46.78      | 3.31    | ppb   |
| Strontium  | 86-1  | 0.25    | 0.25    | 0.21    | 0.24       | 11.26   | ppb   |
| Strontium  | 88-1  | 0.26    | 0.25    | 0.25    | 0.25       | 2.26    | ppb   |
| Sulfur     | 34-1  | -758.19 | -781.88 | -703.11 | -747.73    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.26    | 0.22    | 0.23    | 0.24       | 8.35    | ppb   |
| Thallium   | 205-1 | 0.24    | 0.23    | 0.26    | 0.24       | 5.67    | ppb   |
| Tin        | 118-1 | 0.27    | 0.26    | 0.31    | 0.28       | 9.48    | ppb   |
| Titanium   | 47-1  | 0.25    | 0.25    | 0.26    | 0.25       | 1.63    | ppb   |
| Uranium    | 238-1 | 0.24    | 0.23    | 0.23    | 0.23       | 2.88    | ppb   |
| Vanadium   | 51-2  | 0.32    | 0.22    | 0.28    | 0.28       | 18.63   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.48    | 0.70    | 0.48    | 0.55       | 23.13   | ppb   |
| Zirconium  | 90-1  | 0.23    | 0.25    | 0.23    | 0.23       | 5.98    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-19              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-19              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:56:40 | DataFile Name :   | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.22    | 0.25    | 0.25    | 0.24       | 7.02    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-20              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-20              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:59:49 | DataFile Name :   | 043SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 16.24   | 11.50   | 10.49   | 12.74      | 24.12   | ppb   |
| Antimony   | 121-1 | 0.24    | 0.24    | 0.24    | 0.24       | 0.67    | ppb   |
| Arsenic    | 75-2  | 0.19    | 0.12    | 0.23    | 0.18       | 29.63   | ppb   |
| Barium     | 135-1 | 1.12    | 1.25    | 1.09    | 1.15       | 7.44    | ppb   |
| Barium     | 137-1 | 1.25    | 1.07    | 1.13    | 1.15       | 7.95    | ppb   |
| Beryllium  | 9-1   | 0.19    | 0.20    | 0.18    | 0.19       | 5.26    | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 1.31    | 1.32    | 1.49    | 1.37       | 7.33    | ppb   |
| Boron      | 10-1  | 1.54    | 1.59    | 2.63    | 1.92       | 32.16   | ppb   |
| Cadmium    | 106-1 | 0.56    | -0.12   | 0.08    | 0.17       | 203.27  | ppb   |
| Cadmium    | 108-1 | 0.28    | 0.28    | 0.16    | 0.24       | 29.72   | ppb   |
| Cadmium    | 111-1 | 0.31    | 0.18    | 0.27    | 0.25       | 26.93   | ppb   |
| Calcium    | 43-1  | 20.08   | 28.50   | 9.62    | 19.40      | 48.74   | ppb   |
| Calcium    | 44-1  | 24.33   | 23.83   | 23.37   | 23.84      | 2.01    | ppb   |
| Chromium   | 52-2  | 0.14    | 0.18    | 0.13    | 0.15       | 17.79   | ppb   |
| Cobalt     | 59-2  | 0.23    | 0.25    | 0.22    | 0.23       | 7.89    | ppb   |
| Copper     | 63-2  | 0.47    | 0.49    | 0.47    | 0.48       | 3.23    | 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  | 12.78   | 12.56   | 13.16   | 12.84      | 2.35    | ppb   |
| Iron       | 57-2  | 11.04   | 12.01   | 10.81   | 11.29      | 5.65    | ppb   |
| Lead       | 206-1 | 0.22    | 0.26    | 0.18    | 0.22       | 16.99   | ppb   |
| Lead       | 207-1 | 0.25    | 0.25    | 0.24    | 0.25       | 2.30    | ppb   |
| Lead       | 208-1 | 0.24    | 0.23    | 0.23    | 0.23       | 1.73    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 30.36   | 26.82   | 24.95   | 27.37      | 10.04   | ppb   |
| Manganese  | 55-2  | 0.35    | 0.55    | 0.30    | 0.40       | 33.09   | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-20              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-20              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:59:49 | DataFile Name :   | 043SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.19    | 0.19    | 0.20    | 0.19       | 2.43    | ppb   |
| Molybdenum | 94-1  | 0.25    | 0.24    | 0.24    | 0.24       | 2.67    | ppb   |
| Molybdenum | 95-1  | 0.19    | 0.19    | 0.19    | 0.19       | 2.27    | ppb   |
| Molybdenum | 96-1  | 0.19    | 0.19    | 0.20    | 0.20       | 3.09    | ppb   |
| Molybdenum | 97-1  | 0.16    | 0.18    | 0.22    | 0.19       | 16.64   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.15    | 0.27    | 0.19    | 0.21       | 29.61   | ppb   |
| Phosphorus | 31-2  | 18.31   | 1.97    | 18.56   | 12.95      | 73.41   | ppb   |
| Potassium  | 39-2  | 14.62   | 23.10   | 13.55   | 17.09      | 30.61   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 0.00    | 7.70    | 3.85    | 3.85       | 99.99   | ppb   |
| Selenium   | 78-2  | 1.87    | -0.03   | 1.84    | 1.23       | 88.76   | ppb   |
| Selenium   | 82-1  | 2.04    | 1.99    | 2.72    | 2.25       | 18.20   | ppb   |
| Silicon    | 28-1  | -18.63  | -19.13  | -16.95  | -18.24     |         | ppb   |
| Silver     | 109-1 | 0.25    | 0.25    | 0.27    | 0.26       | 4.11    | ppb   |
| Silver     | 107-1 | 0.25    | 0.22    | 0.23    | 0.23       | 6.92    | ppb   |
| Sodium     | 23-2  | 43.20   | 37.50   | 37.19   | 39.30      | 8.62    | ppb   |
| Strontium  | 86-1  | 0.21    | 0.21    | 0.19    | 0.20       | 4.85    | ppb   |
| Strontium  | 88-1  | 0.24    | 0.24    | 0.23    | 0.24       | 2.35    | ppb   |
| Sulfur     | 34-1  | -375.15 | -399.95 | -285.93 | -353.68    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.22    | 0.25    | 0.25    | 0.24       | 6.75    | ppb   |
| Thallium   | 205-1 | 0.22    | 0.22    | 0.22    | 0.22       | 1.25    | ppb   |
| Tin        | 118-1 | 0.26    | 0.25    | 0.24    | 0.25       | 4.98    | ppb   |
| Titanium   | 47-1  | 0.18    | 0.31    | 0.28    | 0.25       | 26.04   | ppb   |
| Uranium    | 238-1 | 0.22    | 0.19    | 0.20    | 0.20       | 6.95    | ppb   |
| Vanadium   | 51-2  | 0.23    | 0.24    | 0.25    | 0.24       | 5.37    | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.73    | 0.88    | 0.76    | 0.79       | 9.57    | ppb   |
| Zirconium  | 90-1  | 0.23    | 0.21    | 0.20    | 0.21       | 6.96    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-20              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-20              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 13:59:49 | DataFile Name :   | 043SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.23    | 0.20    | 0.22    | 0.22       | 6.60    | ppb   |

LB Number : LB89739 Operator : Jaswal  
 Lab Sample ID : IDL-21 Instrumnet Name : P8  
 Client Sample ID : IDL-21 Dilution Factor : 1  
 Date & Time Acquired :: 2017-08-25 14:02:56 DataFile Name : 044SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 7.51    | 6.20    | 12.83   | 8.85       | 39.69   | ppb   |
| Antimony   | 121-1 | 0.28    | 0.26    | 0.25    | 0.26       | 5.87    | ppb   |
| Arsenic    | 75-2  | 0.21    | 0.30    | 0.25    | 0.25       | 18.78   | ppb   |
| Barium     | 135-1 | 1.19    | 1.22    | 1.33    | 1.25       | 6.01    | ppb   |
| Barium     | 137-1 | 1.35    | 1.26    | 1.23    | 1.28       | 4.76    | ppb   |
| Beryllium  | 9-1   | 0.22    | 0.32    | 0.27    | 0.27       | 18.72   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 1.19    | 1.02    | 1.24    | 1.15       | 10.30   | ppb   |
| Boron      | 10-1  | 1.73    | 1.47    | 1.28    | 1.49       | 15.02   | ppb   |
| Cadmium    | 106-1 | 0.46    | 0.67    | -0.43   | 0.23       | 250.76  | ppb   |
| Cadmium    | 108-1 | 0.37    | 0.30    | 0.21    | 0.29       | 26.10   | ppb   |
| Cadmium    | 111-1 | 0.26    | 0.31    | 0.22    | 0.26       | 18.28   | ppb   |
| Calcium    | 43-1  | 16.76   | 26.91   | 12.30   | 18.66      | 40.13   | ppb   |
| Calcium    | 44-1  | 23.26   | 23.47   | 22.48   | 23.07      | 2.25    | ppb   |
| Chromium   | 52-2  | 0.24    | 0.19    | 0.18    | 0.20       | 15.98   | ppb   |
| Cobalt     | 59-2  | 0.29    | 0.27    | 0.26    | 0.27       | 5.53    | ppb   |
| Copper     | 63-2  | 0.62    | 0.47    | 0.47    | 0.52       | 16.06   | 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  | 14.05   | 14.26   | 12.95   | 13.75      | 5.13    | ppb   |
| Iron       | 57-2  | 12.34   | 11.51   | 12.87   | 12.24      | 5.59    | ppb   |
| Lead       | 206-1 | 0.28    | 0.24    | 0.21    | 0.24       | 13.19   | ppb   |
| Lead       | 207-1 | 0.27    | 0.23    | 0.24    | 0.25       | 7.34    | ppb   |
| Lead       | 208-1 | 0.25    | 0.24    | 0.23    | 0.24       | 4.30    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 28.34   | 22.95   | 24.42   | 25.23      | 11.04   | ppb   |
| Manganese  | 55-2  | 0.63    | 0.39    | 0.37    | 0.46       | 31.48   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-21              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-21              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:02:56 | DataFile Name :   | 044SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 98-1  | 0.25    | 0.23    | 0.19    | 0.22       | 12.37   | ppb   |
| Molybdenum | 94-1  | 0.19    | 0.26    | 0.22    | 0.23       | 15.33   | ppb   |
| Molybdenum | 95-1  | 0.24    | 0.25    | 0.26    | 0.25       | 4.17    | ppb   |
| Molybdenum | 96-1  | 0.27    | 0.24    | 0.20    | 0.24       | 13.89   | ppb   |
| Molybdenum | 97-1  | 0.19    | 0.19    | 0.16    | 0.18       | 10.27   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.32    | 0.31    | 0.22    | 0.29       | 19.42   | ppb   |
| Phosphorus | 31-2  | -14.23  | -14.23  | 34.89   | 2.15       | 1321.17 | ppb   |
| Potassium  | 39-2  | 21.97   | 14.60   | 17.10   | 17.89      | 20.94   | ppb   |
| Rhodium    | 103-1 |         |         |         |            |         | %     |
| Rhodium    | 103-2 |         |         |         |            |         | %     |
| Scandium   | 45-1  |         |         |         |            |         | %     |
| Scandium   | 45-2  |         |         |         |            |         | %     |
| Selenium   | 77-2  | 8.02    | 4.01    | 0.00    | 4.01       | 100.00  | ppb   |
| Selenium   | 78-2  | 2.59    | 1.94    | 1.24    | 1.92       | 35.15   | ppb   |
| Selenium   | 82-1  | 3.16    | 2.63    | 1.32    | 2.37       | 39.83   | ppb   |
| Silicon    | 28-1  | -20.65  | -19.64  | -25.37  | -21.88     |         | ppb   |
| Silver     | 109-1 | 0.24    | 0.27    | 0.27    | 0.26       | 6.64    | ppb   |
| Silver     | 107-1 | 0.31    | 0.25    | 0.29    | 0.28       | 10.13   | ppb   |
| Sodium     | 23-2  | 38.51   | 52.42   | 46.60   | 45.84      | 15.24   | ppb   |
| Strontium  | 86-1  | 0.24    | 0.29    | 0.18    | 0.24       | 21.89   | ppb   |
| Strontium  | 88-1  | 0.25    | 0.26    | 0.26    | 0.26       | 2.83    | ppb   |
| Sulfur     | 34-1  | -672.96 | -751.29 | -947.68 | -790.64    |         | ppb   |
| Terbium    | 159-1 |         |         |         |            |         | %     |
| Terbium    | 159-2 |         |         |         |            |         | %     |
| Thallium   | 203-1 | 0.25    | 0.26    | 0.21    | 0.24       | 9.56    | ppb   |
| Thallium   | 205-1 | 0.22    | 0.23    | 0.25    | 0.23       | 5.81    | ppb   |
| Tin        | 118-1 | 0.27    | 0.23    | 0.31    | 0.27       | 14.83   | ppb   |
| Titanium   | 47-1  | 0.17    | 0.28    | 0.31    | 0.25       | 30.33   | ppb   |
| Uranium    | 238-1 | 0.23    | 0.22    | 0.23    | 0.23       | 1.87    | ppb   |
| Vanadium   | 51-2  | 0.29    | 0.22    | 0.21    | 0.24       | 18.24   | ppb   |
| Yttrium    | 89-1  |         |         |         |            |         | %     |
| Yttrium    | 89-2  |         |         |         |            |         | %     |
| Zinc       | 66-2  | 0.66    | 0.63    | 0.26    | 0.51       | 43.52   | ppb   |
| Zirconium  | 90-1  | 0.21    | 0.24    | 0.24    | 0.23       | 6.89    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | IDL-21              | Instrumnet Name : | P8        |
| Client Sample ID :      | IDL-21              | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:02:56 | DataFile Name :   | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.25    | 0.24    | 0.24    | 0.24       | 1.34    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV56               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV56               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 14:06:06 | DataFile Name :   | 045CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 50033.26  | 50536.58  | 51420.21  | 50663.35   | 1.39    | ppb   |
| Antimony   | 121-1 | 504.25    | 499.61    | 500.60    | 501.49     | 0.49    | ppb   |
| Arsenic    | 75-2  | 495.25    | 497.46    | 489.81    | 494.17     | 0.80    | ppb   |
| Barium     | 135-1 | 2509.21   | 2507.39   | 2534.70   | 2517.10    | 0.61    | ppb   |
| Barium     | 137-1 | 2492.49   | 2498.87   | 2512.90   | 2501.42    | 0.42    | ppb   |
| Beryllium  | 9-1   | 501.15    | 488.05    | 485.24    | 491.48     | 1.73    | ppb   |
| Bismuth    | 209-1 |           |           |           |            |         | %     |
| Bismuth    | 209-2 |           |           |           |            |         | %     |
| Boron      | 11-1  | 496.61    | 494.83    | 494.22    | 495.22     | 0.25    | ppb   |
| Boron      | 10-1  | 505.83    | 485.77    | 489.26    | 493.62     | 2.17    | ppb   |
| Cadmium    | 106-1 | 502.72    | 500.59    | 496.23    | 499.85     | 0.66    | ppb   |
| Cadmium    | 108-1 | 500.01    | 500.25    | 498.25    | 499.50     | 0.22    | ppb   |
| Cadmium    | 111-1 | 488.30    | 485.49    | 483.81    | 485.87     | 0.47    | ppb   |
| Calcium    | 43-1  | 240468.38 | 244149.84 | 244819.55 | 243145.92  | 0.96    | ppb   |
| Calcium    | 44-1  | 238714.34 | 241818.80 | 241840.62 | 240791.25  | 0.75    | ppb   |
| Chromium   | 52-2  | 503.13    | 510.61    | 517.32    | 510.35     | 1.39    | ppb   |
| Cobalt     | 59-2  | 481.54    | 490.60    | 500.85    | 490.99     | 1.97    | ppb   |
| Copper     | 63-2  | 969.71    | 987.61    | 996.20    | 984.51     | 1.37    | 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  | 122903.75 | 125951.28 | 126789.94 | 125214.99  | 1.63    | ppb   |
| Iron       | 57-2  | 125122.72 | 126965.15 | 128261.90 | 126783.26  | 1.24    | ppb   |
| Lead       | 206-1 | 512.24    | 514.01    | 513.44    | 513.23     | 0.18    | ppb   |
| Lead       | 207-1 | 506.16    | 504.05    | 517.13    | 509.11     | 1.38    | ppb   |
| Lead       | 208-1 | 507.14    | 506.80    | 511.19    | 508.38     | 0.48    | ppb   |
| Lithium    | 6-1   |           |           |           |            |         | %     |
| Magnesium  | 24-2  | 248400.05 | 252552.40 | 257600.76 | 252851.07  | 1.82    | ppb   |
| Manganese  | 55-2  | 1006.21   | 1033.19   | 1041.99   | 1027.13    | 1.81    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV56               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV56               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 14:06:06 | DataFile Name :   | 045CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 98-1  | 501.65    | 489.22    | 502.64    | 497.84     | 1.50    | ppb   |
| Molybdenum | 94-1  | 501.36    | 498.71    | 506.24    | 502.10     | 0.76    | ppb   |
| Molybdenum | 95-1  | 506.05    | 495.42    | 506.98    | 502.82     | 1.28    | ppb   |
| Molybdenum | 96-1  | 502.55    | 495.50    | 499.71    | 499.25     | 0.71    | ppb   |
| Molybdenum | 97-1  | 488.19    | 484.27    | 488.19    | 486.88     | 0.46    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 487.71    | 490.68    | 500.80    | 493.07     | 1.39    | ppb   |
| Phosphorus | 31-2  | 10026.62  | 11378.77  | 10336.19  | 10580.53   | 6.70    | ppb   |
| Potassium  | 39-2  | 128217.11 | 131265.89 | 132336.50 | 130606.50  | 1.64    | ppb   |
| Rhodium    | 103-1 |           |           |           |            |         | %     |
| Rhodium    | 103-2 |           |           |           |            |         | %     |
| Scandium   | 45-1  |           |           |           |            |         | %     |
| Scandium   | 45-2  |           |           |           |            |         | %     |
| Selenium   | 77-2  | 532.37    | 486.43    | 450.67    | 489.82     | 8.36    | ppb   |
| Selenium   | 78-2  | 533.65    | 503.22    | 484.36    | 507.08     | 4.90    | ppb   |
| Selenium   | 82-1  | 488.43    | 490.63    | 488.36    | 489.14     | 0.26    | ppb   |
| Silicon    | 28-1  | 508.75    | 524.79    | 523.94    | 519.16     | 1.74    | ppb   |
| Silver     | 109-1 | 501.22    | 497.98    | 495.27    | 498.16     | 0.60    | ppb   |
| Silver     | 107-1 | 499.86    | 499.19    | 494.45    | 497.83     | 0.59    | ppb   |
| Sodium     | 23-2  | 249207.37 | 254158.74 | 257732.89 | 253699.67  | 1.69    | ppb   |
| Strontium  | 86-1  | 502.67    | 509.29    | 500.70    | 504.22     | 0.89    | ppb   |
| Strontium  | 88-1  | 509.10    | 509.74    | 511.84    | 510.23     | 0.28    | ppb   |
| Sulfur     | 34-1  | 9305.80   | 9728.15   | 9622.10   | 9552.02    | 2.30    | ppb   |
| Terbium    | 159-1 |           |           |           |            |         | %     |
| Terbium    | 159-2 |           |           |           |            |         | %     |
| Thallium   | 203-1 | 512.96    | 508.69    | 504.53    | 508.73     | 0.83    | ppb   |
| Thallium   | 205-1 | 500.19    | 504.58    | 500.71    | 501.83     | 0.48    | ppb   |
| Tin        | 118-1 | 506.09    | 504.03    | 502.22    | 504.11     | 0.38    | ppb   |
| Titanium   | 47-1  | 488.81    | 504.34    | 498.33    | 497.16     | 1.58    | ppb   |
| Uranium    | 238-1 | 506.08    | 512.44    | 505.66    | 508.06     | 0.75    | ppb   |
| Vanadium   | 51-2  | 498.21    | 514.17    | 517.28    | 509.89     | 2.01    | ppb   |
| Yttrium    | 89-1  |           |           |           |            |         | %     |
| Yttrium    | 89-2  |           |           |           |            |         | %     |
| Zinc       | 66-2  | 980.53    | 992.04    | 1013.49   | 995.35     | 1.68    | ppb   |
| Zirconium  | 90-1  | 494.38    | 497.48    | 498.65    | 496.84     | 0.44    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB89739             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV56               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV56               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2017-08-25 14:06:06 | DataFile Name :   | 045CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 493.04  | 496.73  | 504.13  | 497.97     | 1.13    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB56               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB56               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:09:03 | DataFile Name :   | 046CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -2.49   | -0.07   | -3.70   | -2.09      |         | ppb   |
| Antimony   | 121-1 | 0.27    | 0.26    | 0.20    | 0.24       | 14.71   | ppb   |
| Arsenic    | 75-2  | -0.01   | -0.01   | -0.02   | -0.02      |         | ppb   |
| Barium     | 135-1 | 0.00    | -0.02   | -0.02   | -0.01      |         | ppb   |
| Barium     | 137-1 | -0.01   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Beryllium  | 9-1   | 0.08    | 0.05    | 0.04    | 0.06       | 33.33   | ppb   |
| Bismuth    | 209-1 |         |         |         |            |         | %     |
| Bismuth    | 209-2 |         |         |         |            |         | %     |
| Boron      | 11-1  | 9.92    | 9.81    | 8.63    | 9.45       | 7.54    | ppb   |
| Boron      | 10-1  | 10.61   | 8.43    | 7.44    | 8.82       | 18.36   | ppb   |
| Cadmium    | 106-1 | -1.35   | -0.55   | -0.70   | -0.87      |         | ppb   |
| Cadmium    | 108-1 | 0.18    | -0.05   | 0.03    | 0.05       | 220.56  | ppb   |
| Cadmium    | 111-1 | -0.10   | -0.03   | -0.03   | -0.05      |         | ppb   |
| Calcium    | 43-1  | -10.83  | -10.15  | -12.26  | -11.08     |         | ppb   |
| Calcium    | 44-1  | 3.17    | 2.96    | -0.48   | 1.88       | 108.90  | ppb   |
| Chromium   | 52-2  | -0.08   | -0.15   | -0.14   | -0.12      |         | ppb   |
| Cobalt     | 59-2  | -0.01   | 0.00    | -0.01   | 0.00       |         | ppb   |
| Copper     | 63-2  | 0.01    | -0.03   | -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  | 0.82    | 1.21    | 1.52    | 1.19       | 29.73   | ppb   |
| Iron       | 57-2  | 0.56    | -0.18   | 2.24    | 0.87       | 141.68  | ppb   |
| Lead       | 206-1 | 0.05    | 0.05    | 0.03    | 0.04       | 20.40   | ppb   |
| Lead       | 207-1 | 0.05    | 0.05    | 0.06    | 0.06       | 6.88    | ppb   |
| Lead       | 208-1 | 0.05    | 0.05    | 0.05    | 0.05       | 1.68    | ppb   |
| Lithium    | 6-1   |         |         |         |            |         | %     |
| Magnesium  | 24-2  | 0.86    | 0.08    | -1.31   | -0.12      |         | ppb   |
| Manganese  | 55-2  | -0.03   | -0.19   | -0.19   | -0.14      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB56               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB56               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:09:03 | DataFile Name :   | 046CCBE.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD  | Units |
|------------|-------|----------|----------|----------|------------|----------|-------|
| Molybdenum | 98-1  | 0.04     | 0.03     | 0.01     | 0.03       | 44.12    | ppb   |
| Molybdenum | 94-1  | 0.04     | 0.04     | 0.02     | 0.03       | 42.62    | ppb   |
| Molybdenum | 95-1  | 0.03     | 0.05     | 0.06     | 0.05       | 26.63    | ppb   |
| Molybdenum | 96-1  | 0.06     | 0.02     | 0.01     | 0.03       | 83.96    | ppb   |
| Molybdenum | 97-1  | 0.03     | 0.01     | 0.02     | 0.02       | 41.26    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |          | cps   |
| Neodymium  | 150-2 |          |          |          |            |          | cps   |
| Nickel     | 60-2  | -0.05    | -0.04    | 0.09     | 0.00       |          | ppb   |
| Phosphorus | 31-2  | 2.64     | 2.56     | -14.23   | -3.01      |          | ppb   |
| Potassium  | 39-2  | 17.60    | 11.96    | 2.03     | 10.53      | 74.83    | 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  | -0.01    | -0.65    | 0.69     | 0.01       | 7791.44  | ppb   |
| Selenium   | 82-1  | 0.48     | 1.22     | 0.04     | 0.58       | 103.54   | ppb   |
| Silicon    | 28-1  | -20.37   | -23.74   | -23.28   | -22.46     |          | ppb   |
| Silver     | 109-1 | 0.02     | 0.02     | 0.03     | 0.03       | 15.15    | ppb   |
| Silver     | 107-1 | 0.03     | 0.01     | 0.02     | 0.02       | 39.14    | ppb   |
| Sodium     | 23-2  | 71.26    | 66.66    | 72.82    | 70.25      | 4.56     | ppb   |
| Strontium  | 86-1  | 0.04     | 0.02     | -0.06    | 0.00       |          | ppb   |
| Strontium  | 88-1  | 0.00     | 0.01     | 0.00     | 0.00       | 189.34   | ppb   |
| Sulfur     | 34-1  | -1061.98 | -1203.51 | -1023.66 | -1096.38   |          | ppb   |
| Terbium    | 159-1 |          |          |          |            |          | %     |
| Terbium    | 159-2 |          |          |          |            |          | %     |
| Thallium   | 203-1 | 0.15     | 0.14     | 0.12     | 0.14       | 14.35    | ppb   |
| Thallium   | 205-1 | 0.13     | 0.12     | 0.09     | 0.11       | 14.59    | ppb   |
| Tin        | 118-1 | 0.24     | 0.22     | 0.17     | 0.21       | 18.65    | ppb   |
| Titanium   | 47-1  | 0.01     | 0.01     | 0.02     | 0.01       | 64.25    | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       | 10673.80 | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.00     | -0.01    | 0.00       |          | ppb   |
| Yttrium    | 89-1  |          |          |          |            |          | %     |
| Yttrium    | 89-2  |          |          |          |            |          | %     |
| Zinc       | 66-2  | 0.16     | -0.01    | 0.10     | 0.08       | 107.27   | ppb   |
| Zirconium  | 90-1  | 0.06     | 0.03     | 0.03     | 0.04       | 37.42    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB89739             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB56               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB56               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2017-08-25 14:09:03 | DataFile Name :   | 046CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 91-1 | 0.08    | 0.06    | 0.03    | 0.06       | 45.35   | ppb   |