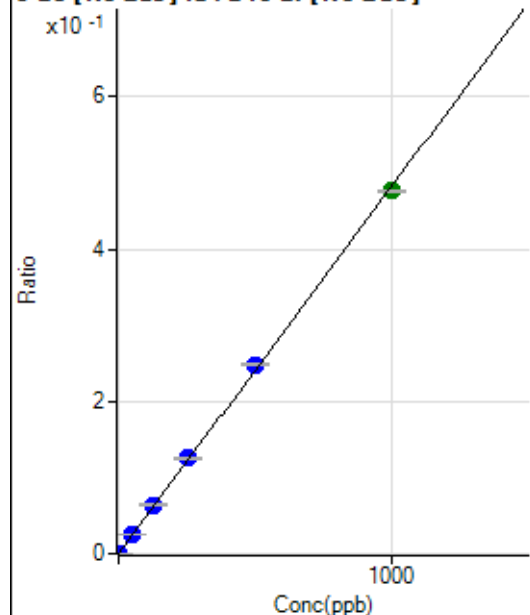


Batch Folder: D:\ICP-MS Data\P7091918 MS.b\  
Analysis File: P7091918 MS.batch.bin  
DA Date-Time: 2018-09-19 18:48:09  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2018-09-19 12:55:28 |
| 2     |                    |             |                     |
| 3     | 005CAL.S.d         | S02         | 2018-09-19 13:03:57 |
| 4     | 006CAL.S.d         | S03         | 2018-09-19 13:07:51 |
| 5     | 007CAL.S.d         | S04         | 2018-09-19 13:12:03 |
| 6     | 008CAL.S.d         | S05         | 2018-09-19 13:15:51 |
| 7     | 009CAL.S.d         | S06         | 2018-09-19 13:19:37 |
| 8     | 010CAL.S.d         | S07         | 2018-09-19 13:23:23 |
| 9     | 011CAL.S.d         | S08         | 2018-09-19 13:27:08 |

**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      | 94.45      | 0.0000 | P    | 6.9  |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.103      | 3293.04    | 0.0005 | P    | 7.3  |
| 4 | <input type="checkbox"/> | 50.000   | 54.696     | 159046.45  | 0.0264 | P    | 0.3  |
| 5 | <input type="checkbox"/> | 125.000  | 133.427    | 376985.15  | 0.0643 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 259.398    | 713296.98  | 0.1250 | P    | 1.9  |
| 7 | <input type="checkbox"/> | 500.000  | 515.624    | 1398890.51 | 0.2484 | P    | 1.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 988.550    | 2737086.37 | 0.4762 | A    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 579.66     | 0.0001 | P    | 10.3 |

$$y = 4.8173\text{E-}004 * x + 1.5455\text{E-}005$$

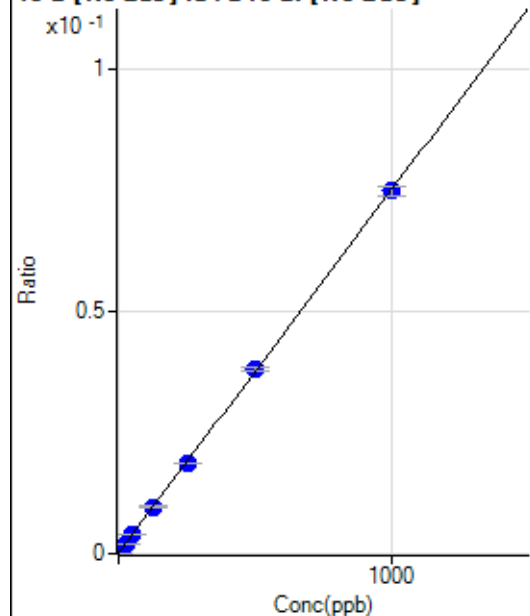
$$R = 0.9998$$

$$DL = 0.00668$$

$$BEC = 0.03208$$

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      | 1055.64   | 0.0002 | P    | 5.6 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 25.000   | 24.654     | 12180.35  | 0.0020 | P    | 2.2 |
| 4 | <input type="checkbox"/> | 50.000   | 50.792     | 23992.01  | 0.0040 | P    | 1.6 |
| 5 | <input type="checkbox"/> | 125.000  | 125.757    | 56241.44  | 0.0096 | P    | 3.4 |
| 6 | <input type="checkbox"/> | 250.000  | 247.160    | 106664.00 | 0.0187 | P    | 1.4 |
| 7 | <input type="checkbox"/> | 500.000  | 506.619    | 214667.27 | 0.0381 | P    | 2.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 997.275    | 430314.62 | 0.0749 | P    | 2.4 |
| 9 | <input type="checkbox"/> |          |            | 27729.25  | 0.0049 | P    | 8.8 |

$$y = 7.4902\text{E-}005 * x + 1.7263\text{E-}004$$

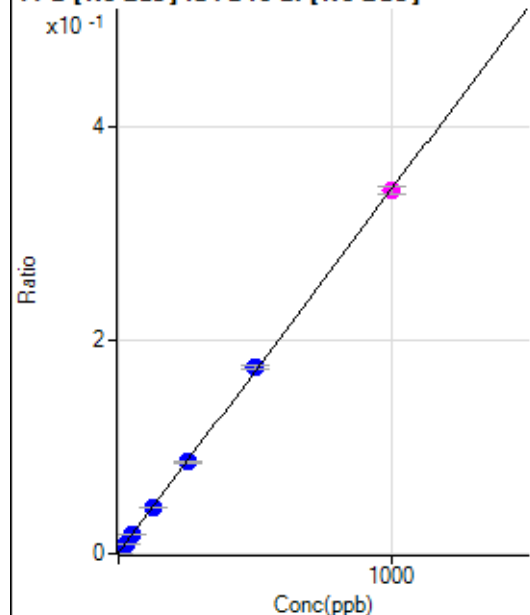
$$R = 1.0000$$

$$DL = 0.3859$$

$$BEC = 2.305$$

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      | 5003.84    | 0.0008 | P   | 6.7 |
| 2 | <input type="checkbox"/> | 2.500    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 25.000   | 24.009     | 54211.70   | 0.0090 | P   | 1.1 |
| 4 | <input type="checkbox"/> | 50.000   | 50.525     | 108681.11  | 0.0180 | P   | 2.5 |
| 5 | <input type="checkbox"/> | 125.000  | 125.082    | 254419.83  | 0.0434 | P   | 2.5 |
| 6 | <input type="checkbox"/> | 250.000  | 249.393    | 489229.57  | 0.0857 | P   | 1.6 |
| 7 | <input type="checkbox"/> | 500.000  | 508.824    | 979864.88  | 0.1740 | P   | 2.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 995.728    | 1952532.60 | 0.3397 | M   | 2.1 |
| 9 | <input type="checkbox"/> |          |            | 125736.11  | 0.0223 | P   | 9.2 |

$$y = 3.4036\text{E-}004 * x + 8.1879\text{E-}004$$

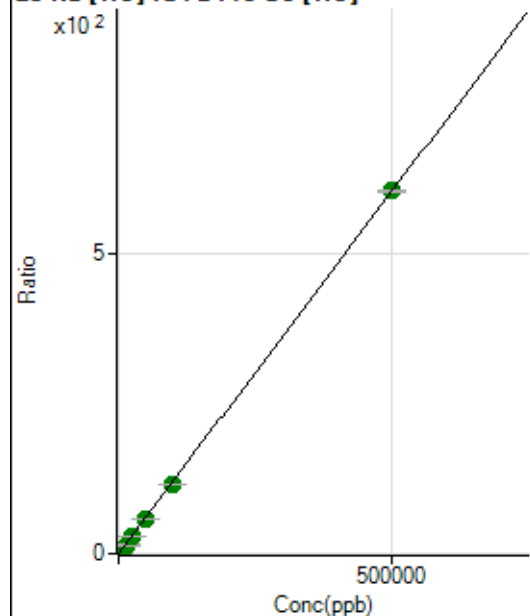
$$R = 0.9999$$

$$DL = 0.4835$$

$$BEC = 2.406$$

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      | 10212.19    | 0.0237   | P   | 0.3  |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |     |      |
| 3 | <input type="checkbox"/> | 500.000   | 475.439    | 280243.62   | 0.5976   | P   | 3.3  |
| 4 | <input type="checkbox"/> | 5000.000  | 4711.010   | 2567051.53  | 5.7102   | A   | 0.7  |
| 5 | <input type="checkbox"/> | 12500.000 | 11872.461  | 6057311.03  | 14.3547  | A   | 12.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 23889.981  | 11836356.17 | 28.8607  | A   | 0.1  |
| 7 | <input type="checkbox"/> | 50000.000 | 47534.024  | 24088867.55 | 57.4009  | A   | 2.6  |
| 8 | <input type="checkbox"/> | 100000.00 | 94679.573  | 49040926.10 | 114.3091 | A   | 0.3  |
| 9 | <input type="checkbox"/> | 500000.00 | 501384.78  | 272434722.7 | 605.2332 | A   | 0.3  |

$$y = 0.0012 * x + 0.0237$$

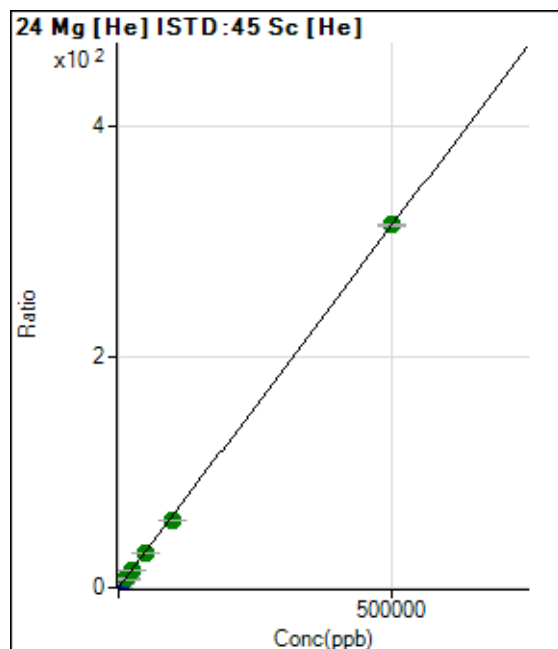
$$R = 0.9999$$

$$DL = 0.1769$$

$$BEC = 19.63$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 141.67      | 0.0003   | P    | 27.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 480.107    | 141491.81   | 0.3018   | P    | 3.8  |
| 4 | <input type="checkbox"/> | 5000.000  | 4778.353   | 1348823.36  | 3.0004   | P    | 0.7  |
| 5 | <input type="checkbox"/> | 12500.000 | 12006.894  | 3180133.17  | 7.5388   | A    | 13.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 24076.067  | 6199524.01  | 15.1163  | A    | 0.1  |
| 7 | <input type="checkbox"/> | 50000.000 | 47725.349  | 12575227.63 | 29.9644  | A    | 2.5  |
| 8 | <input type="checkbox"/> | 100000.00 | 94098.096  | 25346189.81 | 59.0792  | A    | 0.3  |
| 9 | <input type="checkbox"/> | 500000.00 | 501468.60  | 141722171.2 | 314.8443 | A    | 0.3  |

$$y = 6.2784\text{E-}004 * x + 3.2726\text{E-}004$$

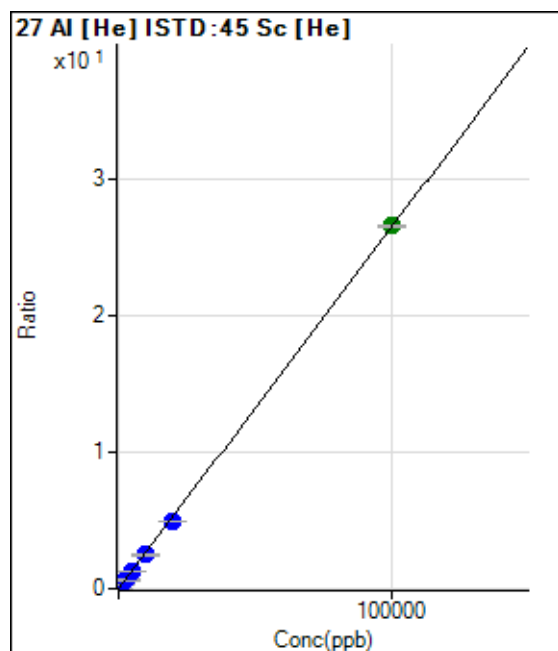
$$R = 0.9999$$

$$DL = 0.4214$$

$$BEC = 0.5212$$

Weight: <None>

Min Conc: 0



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 144.45      | 0.0003  | P    | 26.9 |
| 2 | <input type="checkbox"/> | 2.000     |            |             |         |      |      |
| 3 | <input type="checkbox"/> | 20.000    | 19.063     | 2522.53     | 0.0054  | P    | 8.8  |
| 4 | <input type="checkbox"/> | 1000.000  | 968.123    | 115462.64   | 0.2568  | P    | 0.7  |
| 5 | <input type="checkbox"/> | 2500.000  | 2400.126   | 268227.27   | 0.6362  | P    | 13.8 |
| 6 | <input type="checkbox"/> | 5000.000  | 4775.691   | 519070.92   | 1.2656  | P    | 0.8  |
| 7 | <input type="checkbox"/> | 10000.000 | 9405.381   | 1046009.57  | 2.4923  | P    | 2.0  |
| 8 | <input type="checkbox"/> | 20000.000 | 18422.510  | 2094205.32  | 4.8814  | P    | 0.1  |
| 9 | <input type="checkbox"/> | 100000.00 | 100388.99  | 11972844.80 | 26.5983 | A    | 0.4  |

$$y = 2.6495\text{E-}004 * x + 3.3553\text{E-}004$$

$$R = 0.9999$$

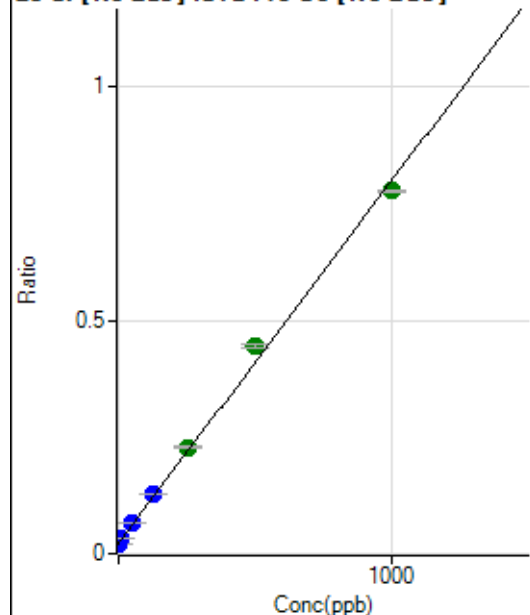
$$DL = 1.023$$

$$BEC = 1.266$$

Weight: <None>

Min Conc: 0

28 Si [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      | 243423.78  | 0.0224 | P   | 1.5 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 10.000   | 14.575     | 364934.12  | 0.0337 | P   | 3.0 |
| 4 | <input type="checkbox"/> | 50.000   | 56.220     | 699492.46  | 0.0661 | P   | 1.1 |
| 5 | <input type="checkbox"/> | 125.000  | 136.778    | 1316693.53 | 0.1287 | P   | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 264.844    | 2231061.20 | 0.2281 | A   | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 543.623    | 4292929.26 | 0.4447 | A   | 1.4 |
| 8 | <input type="checkbox"/> | 1000.000 | 972.649    | 7711827.78 | 0.7779 | A   | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 621693.10  | 0.0631 | P   | 1.3 |

$$y = 7.7676\text{E-}004 * x + 0.0224$$

$$R = 0.9985$$

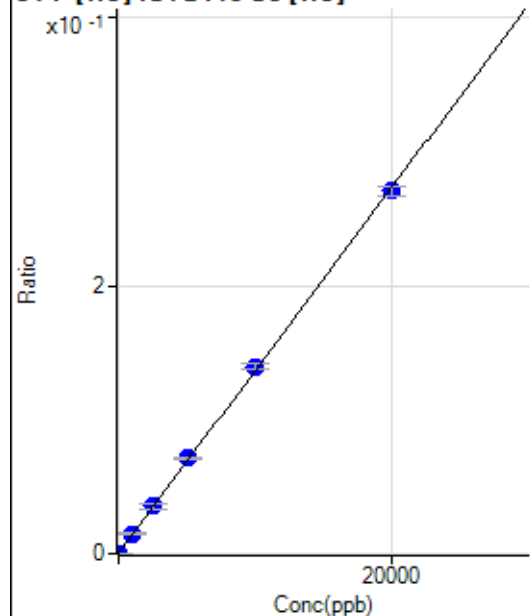
$$DL = 1.294$$

$$BEC = 28.87$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 3.377      | 166.67    | 0.0004 | P   | 53.3 |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 0.000     | -3.377     | 138.89    | 0.0003 | P   | 6.2  |
| 4 | <input type="checkbox"/> | 1000.000  | 1070.315   | 6710.09   | 0.0149 | P   | 7.0  |
| 5 | <input type="checkbox"/> | 2500.000  | 2586.025   | 15024.73  | 0.0356 | P   | 12.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 5204.415   | 29235.00  | 0.0713 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 10000.000 | 10200.333  | 58490.81  | 0.1394 | P   | 3.1  |
| 8 | <input type="checkbox"/> | 20000.000 | 19834.461  | 116135.86 | 0.2707 | P   | 2.3  |
| 9 | <input type="checkbox"/> |           |            | 219.45    | 0.0005 | P   | 32.4 |

$$y = 1.3631\text{E-}005 * x + 3.4236\text{E-}004$$

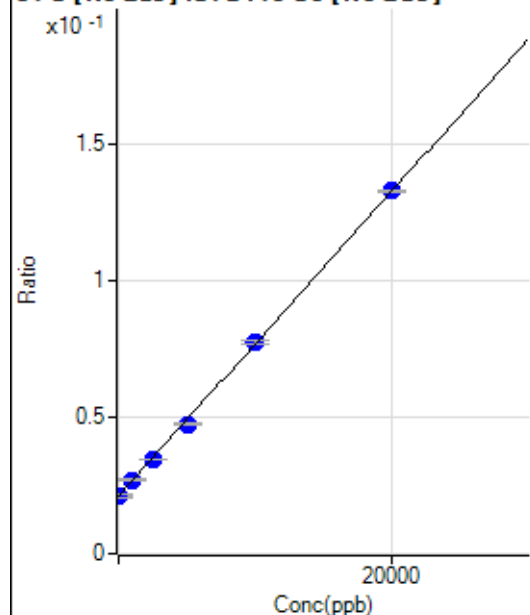
$$R = 0.9999$$

$$DL = 24.78$$

$$BEC = 25.12$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -0.267     | 229789.14  | 0.0212 | P    | 1.5 |
| 2 | <input type="checkbox"/> | 0.000     |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 0.000     | 0.267      | 228907.98  | 0.0212 | P    | 3.7 |
| 4 | <input type="checkbox"/> | 1000.000  | 1067.567   | 287187.57  | 0.0271 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2419.790   | 355019.13  | 0.0347 | P    | 0.5 |
| 6 | <input type="checkbox"/> | 5000.000  | 4703.866   | 464021.72  | 0.0475 | P    | 2.0 |
| 7 | <input type="checkbox"/> | 10000.000 | 10112.279  | 749862.70  | 0.0777 | P    | 1.3 |
| 8 | <input type="checkbox"/> | 20000.000 | 20024.542  | 1319108.97 | 0.1331 | P    | 0.5 |
| 9 | <input type="checkbox"/> |           |            | 187079.68  | 0.0190 | P    | 1.5 |

$$y = 5.5880\text{E-}006 * x + 0.0212$$

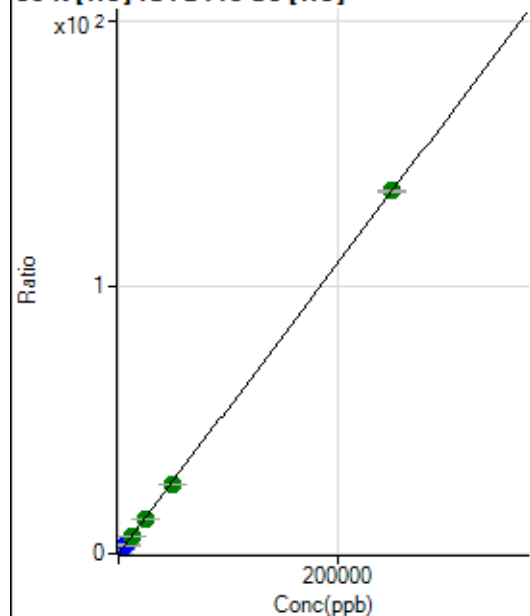
$$R = 0.9998$$

$$DL = 294.5$$

$$BEC = 3788$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 12780.96    | 0.0297   | P    | 4.4  |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 488.677    | 138364.40   | 0.2951   | P    | 4.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2443.945   | 610142.09   | 1.3572   | P    | 0.3  |
| 5 | <input type="checkbox"/> | 6250.000  | 6088.698   | 1408547.07  | 3.3371   | P    | 12.2 |
| 6 | <input type="checkbox"/> | 12500.000 | 12055.845  | 2697945.20  | 6.5784   | A    | 0.4  |
| 7 | <input type="checkbox"/> | 25000.000 | 24086.090  | 5502997.04  | 13.1133  | A    | 2.8  |
| 8 | <input type="checkbox"/> | 50000.000 | 47769.157  | 11145106.15 | 25.9780  | A    | 0.7  |
| 9 | <input type="checkbox"/> | 250000.00 | 250564.38  | 61280115.26 | 136.1368 | A    | 0.6  |

$$y = 5.4320\text{E-}004 * x + 0.0297$$

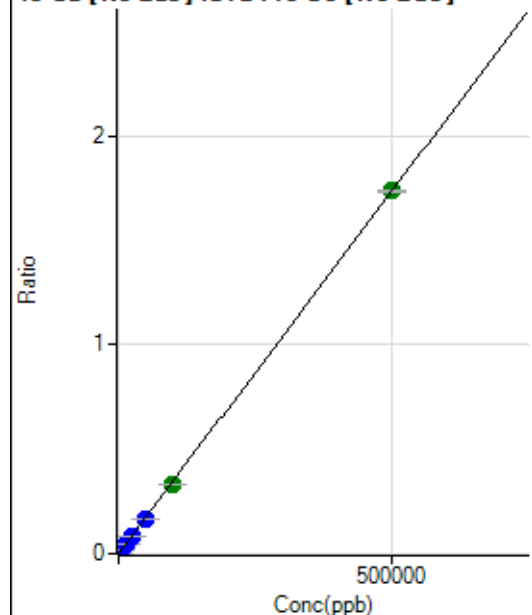
$$R = 1.0000$$

$$DL = 7.24$$

$$BEC = 54.63$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 369.46      | 0.0000 | P    | 9.3 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 470.461    | 18028.25    | 0.0017 | P    | 0.3 |
| 4 | <input type="checkbox"/> | 5000.000  | 4974.805   | 183015.86   | 0.0173 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12319.581  | 437706.20   | 0.0428 | P    | 0.7 |
| 6 | <input type="checkbox"/> | 25000.000 | 24346.152  | 826233.77   | 0.0845 | P    | 1.4 |
| 7 | <input type="checkbox"/> | 50000.000 | 48878.210  | 1637293.20  | 0.1696 | P    | 1.0 |
| 8 | <input type="checkbox"/> | 100000.00 | 95776.642  | 3294093.95  | 0.3323 | A    | 0.7 |
| 9 | <input type="checkbox"/> | 500000.00 | 500994.33  | 17115528.33 | 1.7380 | A    | 0.7 |

$$y = 3.4691\text{E-}006 * x + 3.4011\text{E-}005$$

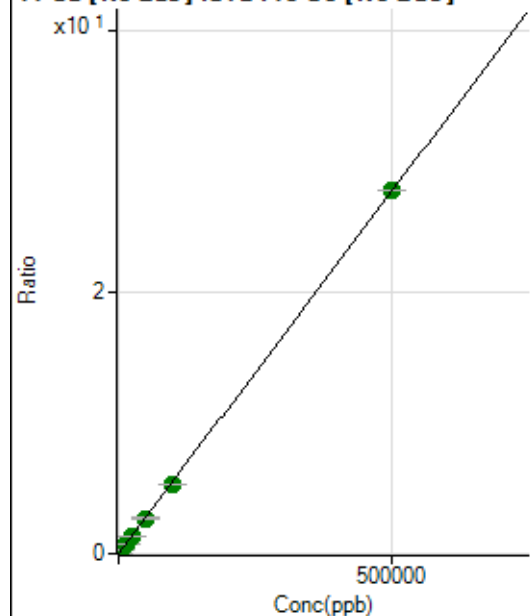
$$R = 1.0000$$

$$DL = 2.734$$

$$BEC = 9.804$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 11163.59    | 0.0010  | P    | 3.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |         |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 485.188    | 301458.97   | 0.0279  | P    | 3.3 |
| 4 | <input type="checkbox"/> | 5000.000  | 4842.474   | 2847056.94  | 0.2690  | A    | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 11994.392  | 6802844.42  | 0.6648  | A    | 0.5 |
| 6 | <input type="checkbox"/> | 25000.000 | 24006.110  | 13000138.75 | 1.3294  | A    | 1.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 48915.486  | 26141364.30 | 2.7078  | A    | 1.0 |
| 8 | <input type="checkbox"/> | 100000.00 | 95797.210  | 52560727.21 | 5.3021  | A    | 0.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 501012.93  | 273035875.5 | 27.7251 | A    | 0.1 |

$$y = 5.5336\text{E-}005 * x + 0.0010$$

$$R = 1.0000$$

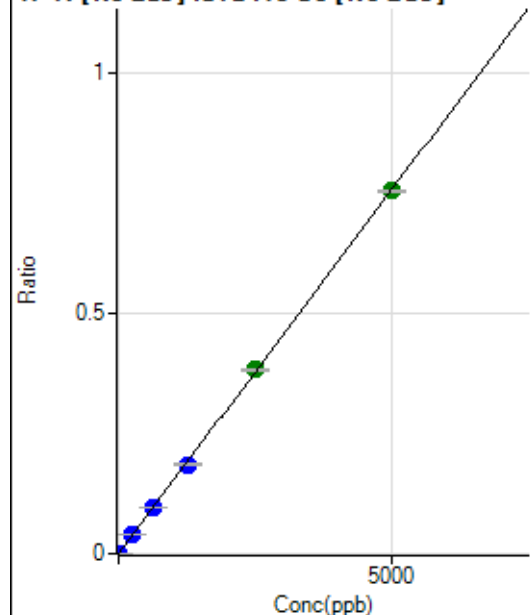
$$DL = 1.649$$

$$BEC = 18.58$$

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      | 119.45     | 0.0000 | P    | 9.9 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.224      | 8658.47    | 0.0008 | P    | 5.0 |
| 4 | <input type="checkbox"/> | 250.000  | 253.540    | 405874.66  | 0.0383 | P    | 0.4 |
| 5 | <input type="checkbox"/> | 625.000  | 622.489    | 963382.77  | 0.0941 | P    | 0.3 |
| 6 | <input type="checkbox"/> | 1250.000 | 1229.067   | 1817438.43 | 0.1859 | P    | 1.3 |
| 7 | <input type="checkbox"/> | 2500.000 | 2534.152   | 3699340.49 | 0.3832 | A    | 1.2 |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.294   | 7477203.64 | 0.7543 | A    | 0.2 |
| 9 | <input type="checkbox"/> |          |            | 4498.09    | 0.0005 | P    | 3.3 |

$$y = 1.5121\text{E-}004 * x + 1.0996\text{E-}005$$

$$R = 1.0000$$

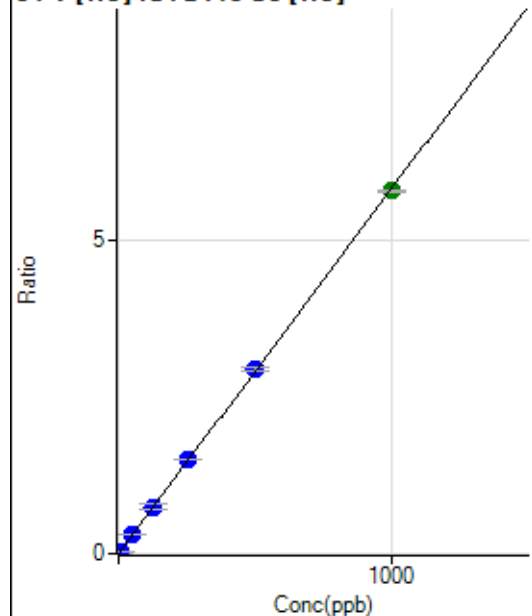
$$DL = 0.02155$$

$$BEC = 0.07272$$

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      | 11.11      | 0.0000 | P    | 76.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.126      | 14007.91   | 0.0299 | P    | 3.7  |
| 4 | <input type="checkbox"/> | 50.000   | 51.373     | 134486.99  | 0.2992 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 128.971    | 316876.80  | 0.7510 | P    | 12.6 |
| 6 | <input type="checkbox"/> | 250.000  | 258.075    | 616291.42  | 1.5027 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 506.302    | 1237215.43 | 2.9481 | P    | 2.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.265    | 2483727.06 | 5.7893 | A    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1321.19    | 0.0029 | P    | 3.1  |

$$y = 0.0058 * x + 2.6086\text{E-}005$$

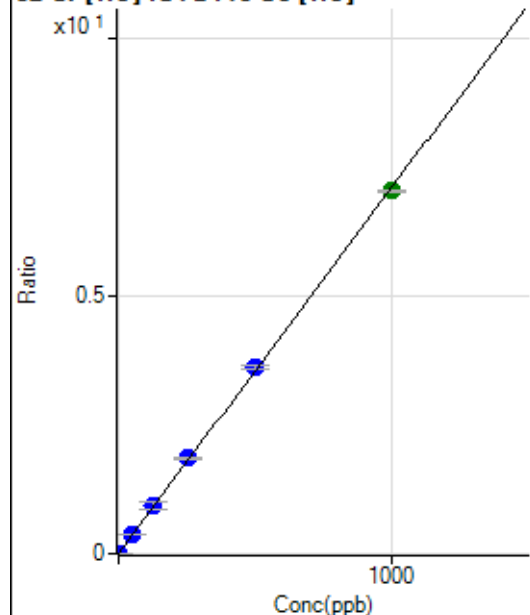
$$R = 0.9999$$

$$DL = 0.01031$$

$$BEC = 0.00448$$

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      | 596.69     | 0.0014 | P    | 3.5  |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.279      | 8225.74    | 0.0176 | P    | 5.7  |
| 4 | <input type="checkbox"/> | 50.000   | 52.504     | 168093.24  | 0.3739 | P    | 0.3  |
| 5 | <input type="checkbox"/> | 125.000  | 131.280    | 393639.54  | 0.9328 | P    | 12.5 |
| 6 | <input type="checkbox"/> | 250.000  | 260.651    | 759014.68  | 1.8507 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 509.463    | 1517629.32 | 3.6160 | P    | 2.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.695    | 3019231.10 | 7.0375 | A    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 143575.24  | 0.3190 | P    | 0.7  |

$$y = 0.0071 * x + 0.0014$$

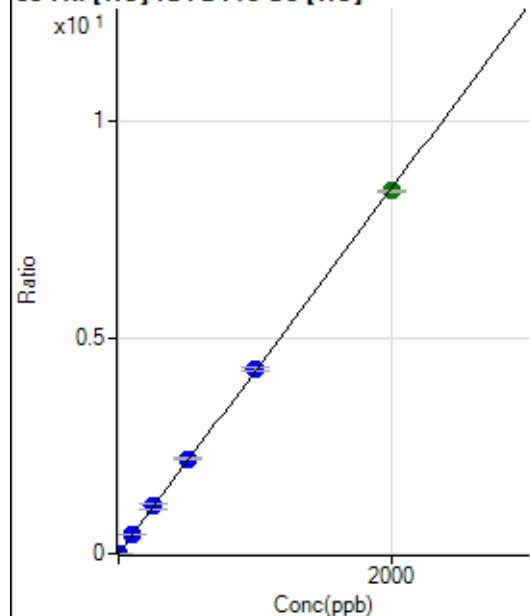
$$R = 0.9999$$

$$DL = 0.02029$$

$$BEC = 0.1951$$

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      | 70.00      | 0.0002 | P    | 18.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.060      | 2173.53    | 0.0046 | P    | 10.6 |
| 4 | <input type="checkbox"/> | 100.000  | 104.641    | 198902.47  | 0.4424 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 250.000  | 261.355    | 466279.69  | 1.1048 | P    | 12.4 |
| 6 | <input type="checkbox"/> | 500.000  | 521.028    | 903245.06  | 2.2024 | P    | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1012.841   | 1796688.90 | 4.2811 | P    | 2.3  |
| 8 | <input type="checkbox"/> | 2000.000 | 1986.671   | 3602558.49 | 8.3972 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 19953.73   | 0.0443 | P    | 3.0  |

$$y = 0.0042 * x + 1.6264E-004$$

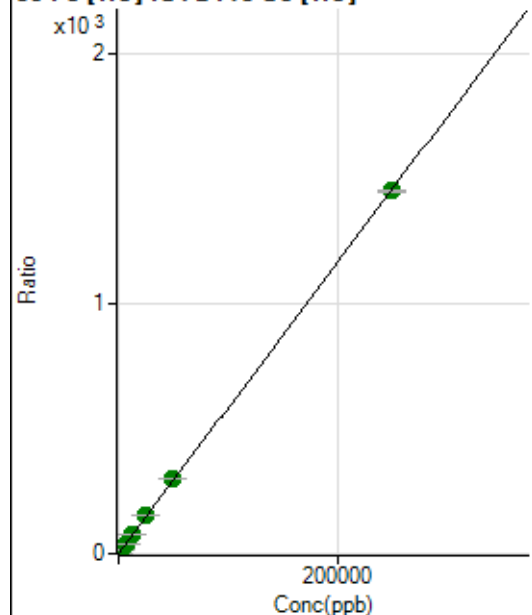
$$R = 0.9999$$

$$DL = 0.02128$$

$$BEC = 0.03848$$

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      | 3839.50     | 0.0089    | P    | 3.4  |
| 2 | <input type="checkbox"/> | 5.000     |            |             |           |      |      |
| 3 | <input type="checkbox"/> | 50.000    | 54.372     | 152356.06   | 0.3249    | P    | 3.8  |
| 4 | <input type="checkbox"/> | 2500.000  | 2663.425   | 6963166.07  | 15.4894   | A    | 0.3  |
| 5 | <input type="checkbox"/> | 6250.000  | 6702.557   | 16435744.47 | 38.9658   | A    | 13.1 |
| 6 | <input type="checkbox"/> | 12500.000 | 13393.758  | 31930463.68 | 77.8567   | A    | 0.4  |
| 7 | <input type="checkbox"/> | 25000.000 | 26192.196  | 63891484.76 | 152.2443  | A    | 2.6  |
| 8 | <input type="checkbox"/> | 50000.000 | 51266.722  | 127840028.7 | 297.9835  | A    | 0.8  |
| 9 | <input type="checkbox"/> | 250000.00 | 249569.79  | 652941503.4 | 1,450.568 | A    | 0.4  |

$$y = 0.0058 * x + 0.0089$$

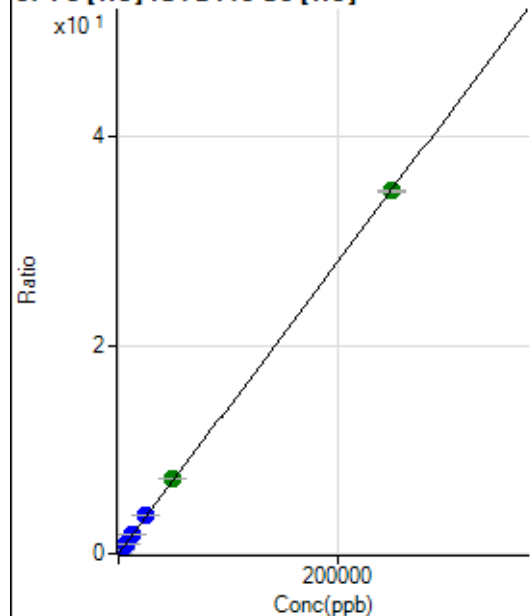
$$R = 1.0000$$

$$DL = 0.1545$$

$$BEC = 1.533$$

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      | 153.71      | 0.0004  | P    | 15.7 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |         |      |      |
| 3 | <input type="checkbox"/> | 50.000    | 59.429     | 4061.78     | 0.0087  | P    | 5.0  |
| 4 | <input type="checkbox"/> | 2500.000  | 2719.191   | 170955.55   | 0.3803  | P    | 0.4  |
| 5 | <input type="checkbox"/> | 6250.000  | 6829.614   | 402795.27   | 0.9546  | P    | 12.6 |
| 6 | <input type="checkbox"/> | 12500.000 | 13643.456  | 781937.73   | 1.9066  | P    | 0.4  |
| 7 | <input type="checkbox"/> | 25000.000 | 26515.740  | 1554938.40  | 3.7051  | P    | 2.5  |
| 8 | <input type="checkbox"/> | 50000.000 | 51508.702  | 3087725.77  | 7.1971  | A    | 0.4  |
| 9 | <input type="checkbox"/> | 250000.00 | 249472.82  | 15690067.48 | 34.8564 | A    | 0.3  |

$$y = 1.3972E-004 * x + 3.5737E-004$$

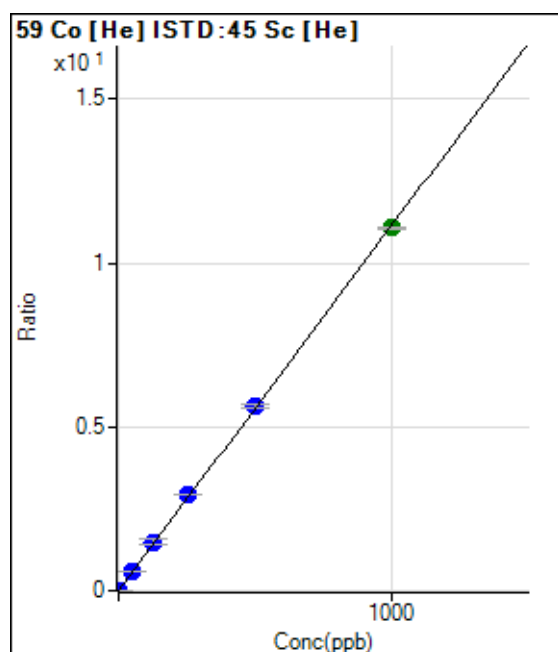
$$R = 1.0000$$

$$DL = 1.201$$

$$BEC = 2.558$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|---------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 56.67      | 0.0001  | P        | 46.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.095      | 5776.78    | 0.0123  | P        | 6.2  |
| 4 | <input type="checkbox"/> | 50.000   | 53.409     | 267407.01  | 0.5948  | P        | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 133.493    | 627143.86  | 1.4866  | P        | 12.9 |
| 6 | <input type="checkbox"/> | 250.000  | 262.793    | 1200135.88 | 2.9263  | P        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 503.542    | 2353215.19 | 5.6070  | P        | 2.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.799    | 4747475.87 | 11.0659 | A        | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 61650.02   | 0.1370  | P        | 0.6  |

$$y = 0.0111 * x + 1.3243E-004$$

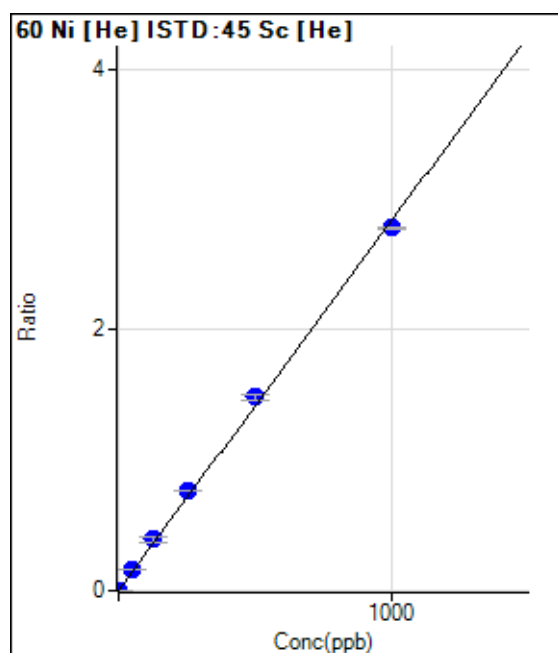
$$R = 0.9999$$

$$DL = 0.01651$$

$$BEC = 0.01189$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 64.45      | 0.0001 | P        | 18.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.225      | 1699.02    | 0.0036 | P        | 6.1  |
| 4 | <input type="checkbox"/> | 50.000   | 55.344     | 70633.38   | 0.1571 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 137.887    | 165051.45  | 0.3912 | P        | 12.8 |
| 6 | <input type="checkbox"/> | 250.000  | 271.010    | 315291.27  | 0.7688 | P        | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 523.549    | 623198.49  | 1.4850 | P        | 2.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 981.095    | 1193832.38 | 2.7827 | P        | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 44324.67   | 0.0985 | P        | 0.3  |

$$y = 0.0028 * x + 1.4979E-004$$

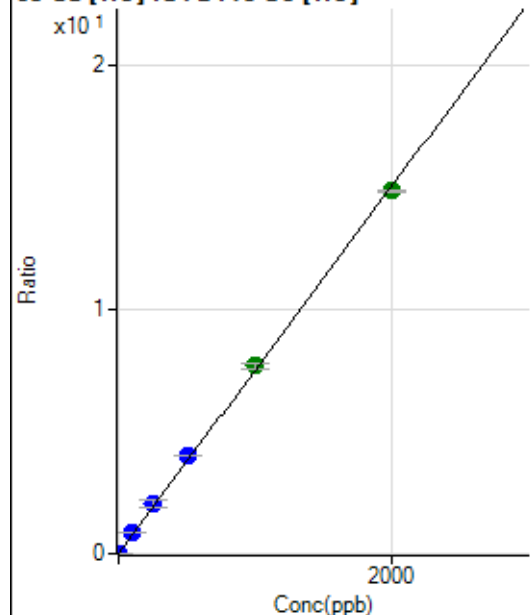
$$R = 0.9993$$

$$DL = 0.02874$$

$$BEC = 0.05281$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1494.55    | 0.0035  | P    | 4.7  |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.186      | 9345.31    | 0.0199  | P    | 2.4  |
| 4 | <input type="checkbox"/> | 100.000  | 110.315    | 374915.26  | 0.8340  | P    | 0.5  |
| 5 | <input type="checkbox"/> | 250.000  | 272.863    | 868182.00  | 2.0577  | P    | 12.8 |
| 6 | <input type="checkbox"/> | 500.000  | 534.475    | 1651664.77 | 4.0273  | P    | 0.4  |
| 7 | <input type="checkbox"/> | 1000.000 | 1022.949   | 3233374.95 | 7.7048  | A    | 2.6  |
| 8 | <input type="checkbox"/> | 2000.000 | 1976.533   | 6385479.90 | 14.8839 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 14456.18   | 0.0321  | P    | 1.0  |

$$y = 0.0075 * x + 0.0035$$

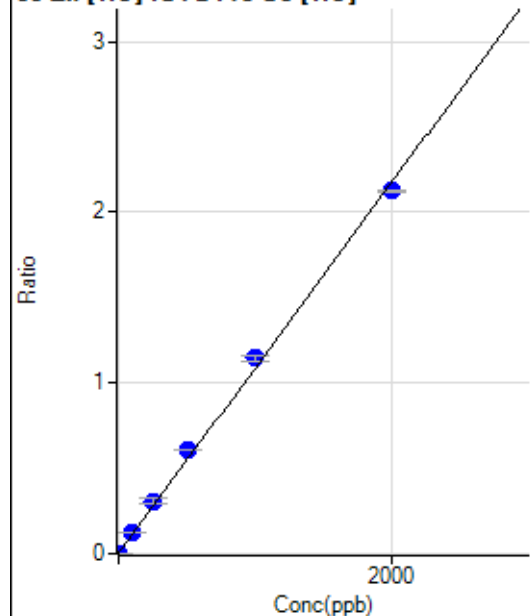
$$R = 0.9997$$

$$DL = 0.06463$$

$$BEC = 0.4607$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1062.28   | 0.0025 | P    | 0.5  |
| 2 | <input type="checkbox"/> | 0.200    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.620      | 2491.37   | 0.0053 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 100.000  | 112.968    | 56235.68  | 0.1251 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 250.000  | 280.863    | 129738.83 | 0.3073 | P    | 12.0 |
| 6 | <input type="checkbox"/> | 500.000  | 554.310    | 247769.02 | 0.6041 | P    | 0.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 1052.053   | 480274.54 | 1.1444 | P    | 2.5  |
| 8 | <input type="checkbox"/> | 2000.000 | 1955.889   | 911881.18 | 2.1255 | P    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 7213.00   | 0.0160 | P    | 3.1  |

$$y = 0.0011 * x + 0.0025$$

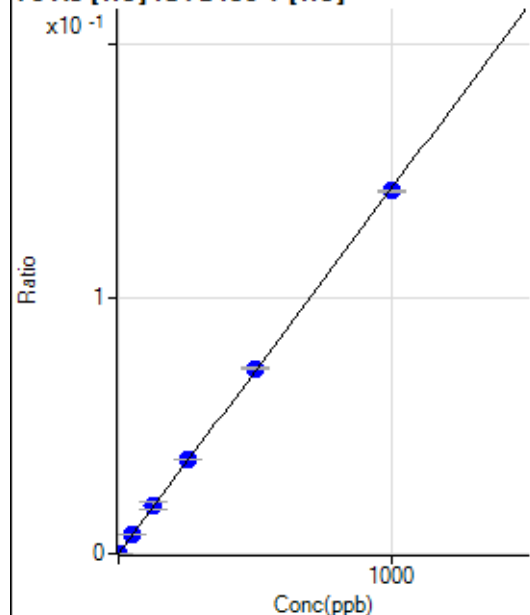
$$R = 0.9990$$

$$DL = 0.03506$$

$$BEC = 2.271$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 6.79      | 0.0000 | P   | 53.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.141      | 388.90    | 0.0002 | P   | 12.4 |
| 4 | <input type="checkbox"/> | 50.000   | 52.655     | 17261.54  | 0.0075 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 131.577    | 40475.23  | 0.0188 | P   | 12.3 |
| 6 | <input type="checkbox"/> | 250.000  | 257.978    | 78667.89  | 0.0369 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 507.150    | 156959.80 | 0.0726 | P   | 1.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.476    | 306943.00 | 0.1423 | P   | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 516.06    | 0.0002 | P   | 9.8  |

$$y = 1.4321\text{E-}004 * x + 3.1387\text{E-}006$$

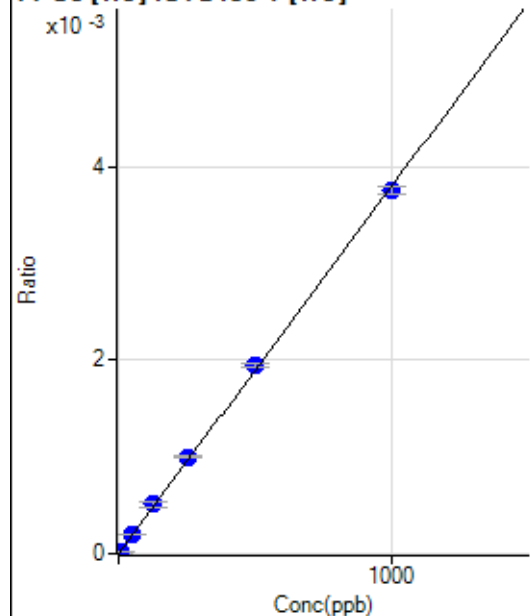
$$R = 0.9999$$

$$DL = 0.03525$$

$$BEC = 0.02192$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.11    | 0.0000 | P   | 173. |
| 2 | <input type="checkbox"/> | 0.500    |            |         |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.834      | 53.33   | 0.0000 | P   | 21.7 |
| 4 | <input type="checkbox"/> | 50.000   | 52.478     | 456.68  | 0.0002 | P   | 7.5  |
| 5 | <input type="checkbox"/> | 125.000  | 134.427    | 1096.73 | 0.0005 | P   | 12.0 |
| 6 | <input type="checkbox"/> | 250.000  | 263.665    | 2130.19 | 0.0010 | P   | 2.6  |
| 7 | <input type="checkbox"/> | 500.000  | 514.253    | 4217.35 | 0.0020 | P   | 1.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 988.151    | 8086.81 | 0.0037 | P   | 2.2  |
| 9 | <input type="checkbox"/> |          |            | 7.78    | 0.0000 | P   | 64.8 |

$$y = 3.7926\text{E-}006 * x + 5.2828\text{E-}007$$

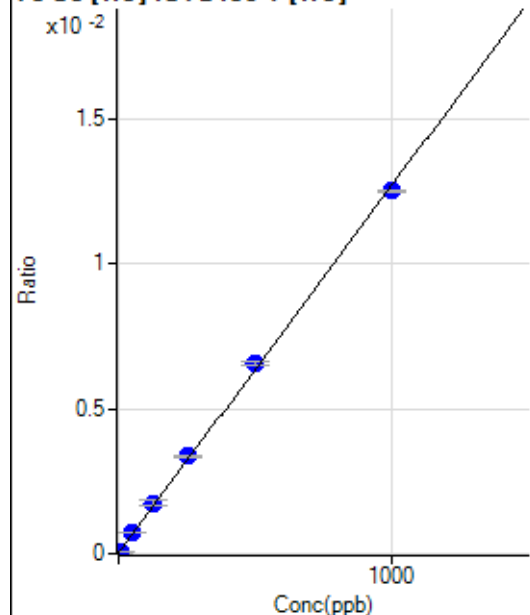
$$R = 0.9997$$

$$DL = 0.7238$$

$$BEC = 0.1393$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 52.47    | 0.0000 | P   | 28.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.375      | 216.67   | 0.0001 | P   | 10.1 |
| 4 | <input type="checkbox"/> | 50.000   | 53.658     | 1613.68  | 0.0007 | P   | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 136.287    | 3763.48  | 0.0018 | P   | 13.1 |
| 6 | <input type="checkbox"/> | 250.000  | 263.292    | 7163.56  | 0.0034 | P   | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 517.654    | 14244.09 | 0.0066 | P   | 1.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 986.254    | 27043.74 | 0.0125 | P   | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 63.58    | 0.0000 | P   | 8.2  |

$$y = 1.2685\text{E-}005 * x + 2.4556\text{E-}005$$

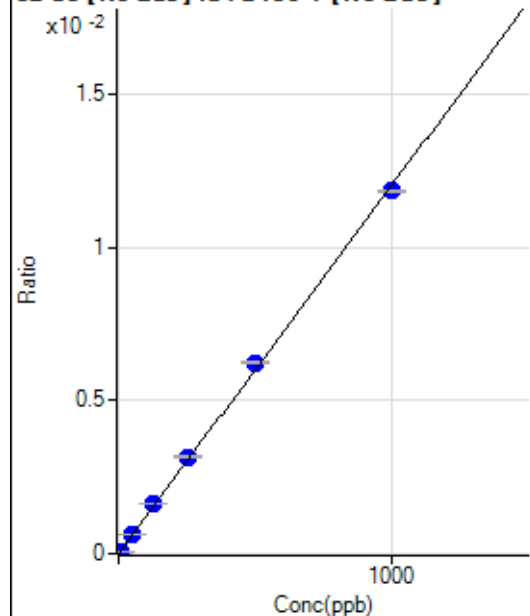
$$R = 0.9996$$

$$DL = 1.66$$

$$BEC = 1.936$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 44.11     | 0.0000 | P   | 75.5 |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.289      | 1083.85   | 0.0001 | P   | 5.0  |
| 4 | <input type="checkbox"/> | 50.000   | 54.478     | 10621.55  | 0.0007 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 134.469    | 25466.39  | 0.0016 | P   | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 261.711    | 47994.81  | 0.0031 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 519.299    | 93673.06  | 0.0062 | P   | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 986.014    | 181903.73 | 0.0119 | P   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 223.21    | 0.0000 | P   | 8.6  |

$$y = 1.2016\text{E-}005 * x + 2.6784\text{E-}006$$

$$R = 0.9996$$

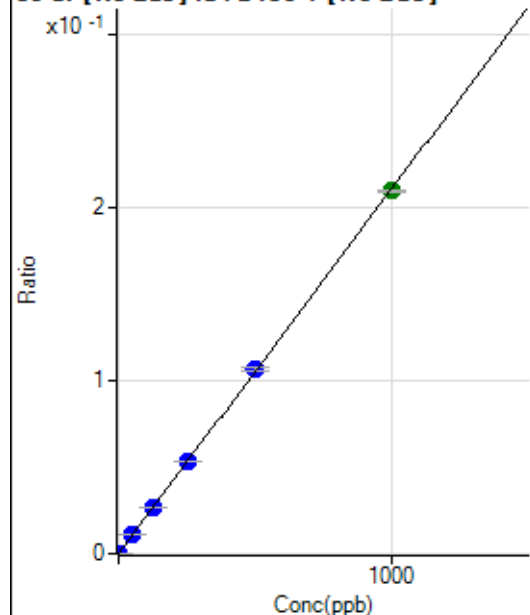
$$DL = 0.5046$$

$$BEC = 0.2229$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 511.14     | 0.0000 | P   | 6.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.017      | 4011.84    | 0.0002 | P   | 1.6 |
| 4 | <input type="checkbox"/> | 50.000   | 51.964     | 177024.67  | 0.0110 | P   | 0.2 |
| 5 | <input type="checkbox"/> | 125.000  | 127.707    | 422930.65  | 0.0269 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 254.351    | 815877.15  | 0.0535 | P   | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 506.459    | 1598017.74 | 0.1065 | P   | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 995.246    | 3211883.19 | 0.2093 | A   | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 15684.16   | 0.0011 | P   | 1.6 |

$$y = 2.1022\text{E-}004 * x + 3.1128\text{E-}005$$

$$R = 1.0000$$

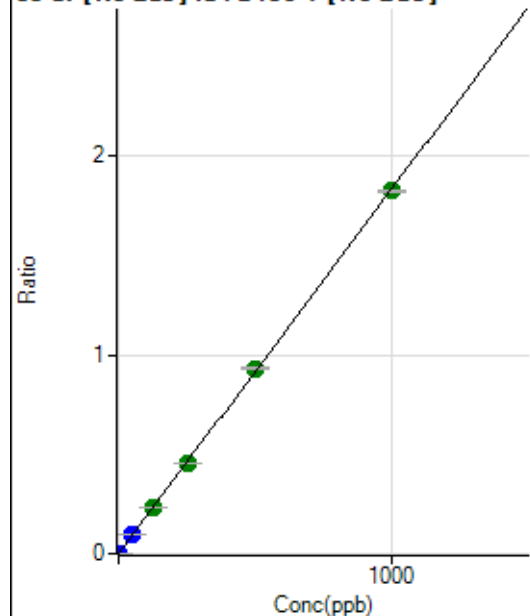
$$DL = 0.03049$$

$$BEC = 0.1481$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 741.72      | 0.0000 | P   | 10.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.041      | 31964.08    | 0.0020 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 51.042     | 1511417.44  | 0.0935 | P   | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 125.025    | 3603989.62  | 0.2290 | A   | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 249.049    | 6956582.10  | 0.4562 | A   | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 508.848    | 13985415.76 | 0.9321 | A   | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.759    | 27994815.56 | 1.8239 | A   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 129174.17   | 0.0087 | P   | 0.3  |

$$y = 0.0018 * x + 4.5129\text{E-}005$$

$$R = 0.9999$$

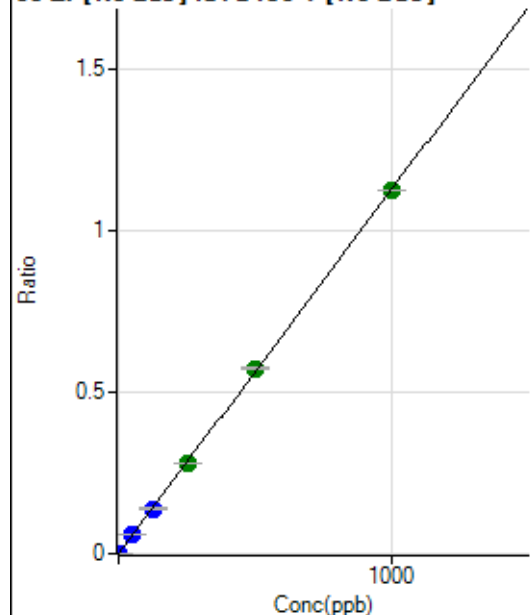
$$DL = 0.007704$$

$$BEC = 0.02464$$

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      | 1297.33     | 0.0001 | P    | 2.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.029      | 20256.58    | 0.0012 | P    | 2.7 |
| 4 | <input type="checkbox"/> | 50.000   | 50.588     | 921815.37   | 0.0570 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 123.604    | 2191388.46  | 0.1393 | P    | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 247.893    | 4257887.68  | 0.2792 | A    | 1.8 |
| 7 | <input type="checkbox"/> | 500.000  | 508.652    | 8595831.53  | 0.5729 | A    | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 996.346    | 17223150.73 | 1.1221 | A    | 0.1 |
| 9 | <input type="checkbox"/> |          |            | 4436.99     | 0.0003 | P    | 2.2 |

$$y = 0.0011 * x + 7.8976E-005$$

$$R = 0.9999$$

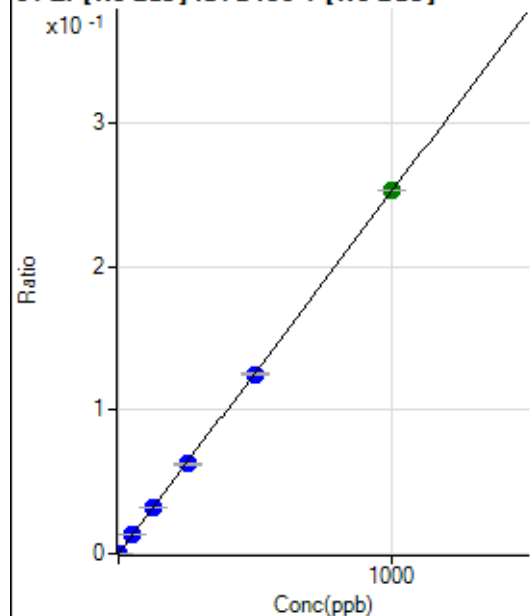
$$DL = 0.005695$$

$$BEC = 0.07013$$

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      | 258.35     | 0.0000 | P    | 4.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.017      | 4448.09    | 0.0003 | P    | 7.0 |
| 4 | <input type="checkbox"/> | 50.000   | 50.922     | 207572.14  | 0.0128 | P    | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 125.565    | 498030.50  | 0.0317 | P    | 1.1 |
| 6 | <input type="checkbox"/> | 250.000  | 247.623    | 951611.11  | 0.0624 | P    | 1.3 |
| 7 | <input type="checkbox"/> | 500.000  | 496.548    | 1877447.96 | 0.1251 | P    | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.204   | 3876030.51 | 0.2525 | A    | 0.1 |
| 9 | <input type="checkbox"/> |          |            | 975.07     | 0.0001 | P    | 6.4 |

$$y = 2.5195E-004 * x + 1.5734E-005$$

$$R = 1.0000$$

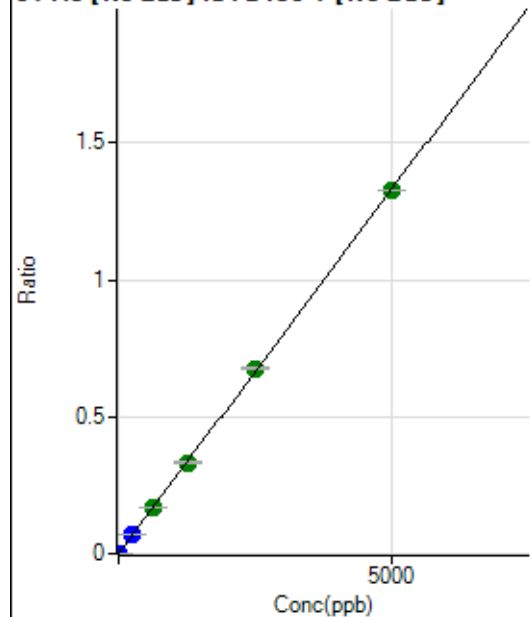
$$DL = 0.007837$$

$$BEC = 0.06245$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 455.58      | 0.0000 | P    | 6.5 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.182      | 23019.19    | 0.0014 | P    | 4.7 |
| 4 | <input type="checkbox"/> | 250.000  | 254.030    | 1092725.46  | 0.0676 | P    | 0.3 |
| 5 | <input type="checkbox"/> | 625.000  | 621.969    | 2604659.04  | 0.1655 | A    | 0.3 |
| 6 | <input type="checkbox"/> | 1250.000 | 1248.383   | 5065971.73  | 0.3322 | A    | 1.1 |
| 7 | <input type="checkbox"/> | 2500.000 | 2538.646   | 10136546.49 | 0.6756 | A    | 1.3 |
| 8 | <input type="checkbox"/> | 5000.000 | 4981.258   | 20345567.47 | 1.3255 | A    | 0.1 |
| 9 | <input type="checkbox"/> |          |            | 27293.52    | 0.0018 | P    | 2.6 |

$$y = 2.6610E-004 * x + 2.7742E-005$$

$$R = 1.0000$$

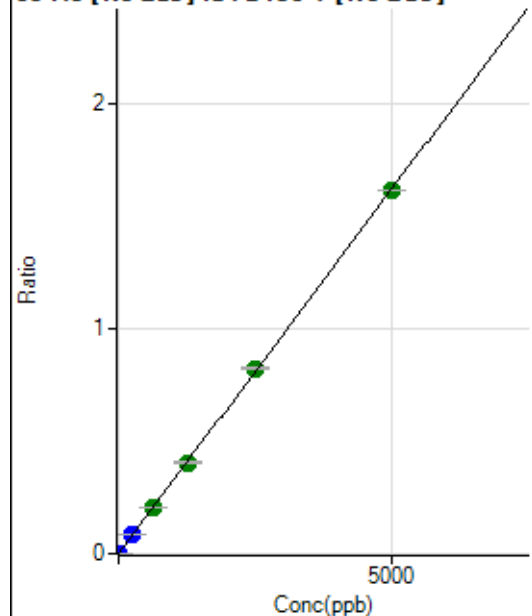
$$DL = 0.0203$$

$$BEC = 0.1043$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 77.78       | 0.0000 | P    | 38.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.153      | 27432.66    | 0.0017 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 250.000  | 253.973    | 1330583.70  | 0.0823 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 622.291    | 3174693.02  | 0.2018 | A    | 0.5  |
| 6 | <input type="checkbox"/> | 1250.000 | 1249.894   | 6179261.47  | 0.4052 | A    | 1.5  |
| 7 | <input type="checkbox"/> | 2500.000 | 2541.873   | 12365580.75 | 0.8241 | A    | 1.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4979.230   | 24778523.82 | 1.6143 | A    | 0.0  |
| 9 | <input type="checkbox"/> |          |            | 46097.48    | 0.0031 | P    | 0.9  |

$$y = 3.2421E-004 * x + 4.7475E-006$$

$$R = 0.9999$$

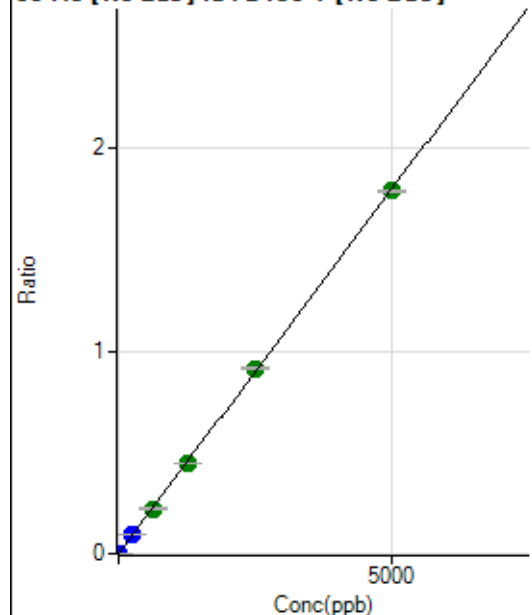
$$DL = 0.01698$$

$$BEC = 0.01464$$

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      | 200.01      | 0.0000 | P    | 24.5 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.085      | 30104.84    | 0.0018 | P    | 0.8  |
| 4 | <input type="checkbox"/> | 250.000  | 254.441    | 1476469.33  | 0.0914 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 625.000  | 619.253    | 3498931.20  | 0.2224 | A    | 0.4  |
| 6 | <input type="checkbox"/> | 1250.000 | 1245.721   | 6820896.86  | 0.4473 | A    | 1.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2541.741   | 13694489.19 | 0.9127 | A    | 1.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 4980.695   | 27450455.48 | 1.7884 | A    | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 58426.11    | 0.0039 | P    | 1.5  |

$$y = 3.5907\text{E-}004 * x + 1.2157\text{E-}005$$

$$R = 0.9999$$

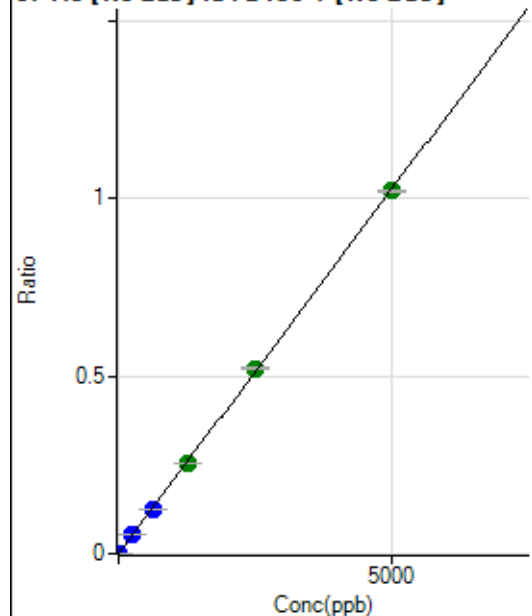
$$DL = 0.02486$$

$$BEC = 0.03386$$

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      | 63.89       | 0.0000 | P    | 8.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.038      | 16960.55    | 0.0010 | P    | 2.4 |
| 4 | <input type="checkbox"/> | 250.000  | 254.721    | 843237.64   | 0.0522 | P    | 0.4 |
| 5 | <input type="checkbox"/> | 625.000  | 614.979    | 1982283.92  | 0.1260 | P    | 1.1 |
| 6 | <input type="checkbox"/> | 1250.000 | 1244.849   | 3888700.56  | 0.2550 | A    | 1.0 |
| 7 | <input type="checkbox"/> | 2500.000 | 2543.512   | 7817954.86  | 0.5210 | A    | 1.6 |
| 8 | <input type="checkbox"/> | 5000.000 | 4980.549   | 15660274.48 | 1.0203 | A    | 0.3 |
| 9 | <input type="checkbox"/> |          |            | 28821.72    | 0.0019 | P    | 1.4 |

$$y = 2.0485\text{E-}004 * x + 3.8918\text{E-}006$$

$$R = 0.9999$$

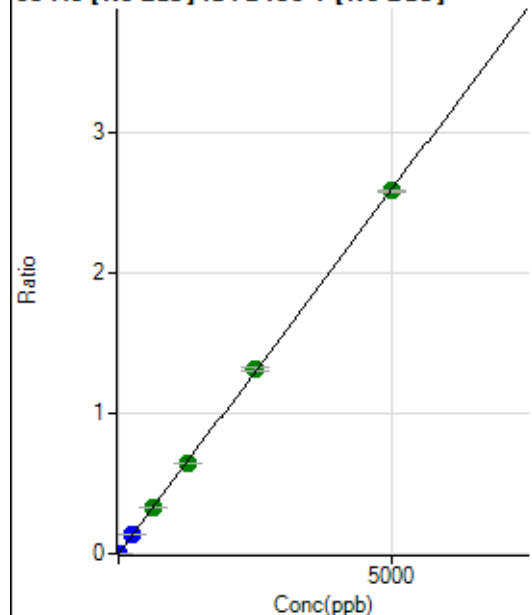
$$DL = 0.004652$$

$$BEC = 0.019$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 113.89      | 0.0000 | P    | 27.1 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.121      | 43542.49    | 0.0027 | P    | 3.8  |
| 4 | <input type="checkbox"/> | 250.000  | 254.478    | 2130645.10  | 0.1319 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 625.000  | 623.302    | 5081595.95  | 0.3230 | A    | 0.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1244.922   | 9835828.52  | 0.6450 | A    | 1.2  |
| 7 | <input type="checkbox"/> | 2500.000 | 2536.474   | 19718882.91 | 1.3142 | A    | 1.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4983.021   | 39628266.86 | 2.5818 | A    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 71571.68    | 0.0048 | P    | 0.4  |

$$y = 5.1812\text{E-}004 * x + 6.9276\text{E-}006$$

$$R = 1.0000$$

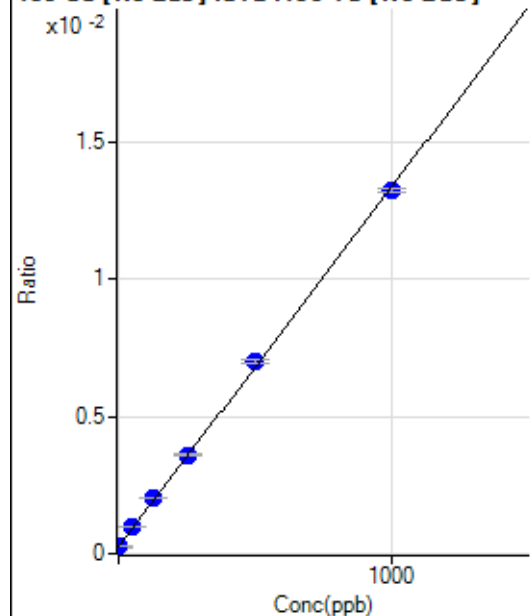
$$DL = 0.01088$$

$$BEC = 0.01337$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5090.02   | 0.0002 | P    | 6.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.584      | 5470.76   | 0.0003 | P    | 0.6 |
| 4 | <input type="checkbox"/> | 50.000   | 55.926     | 19906.32  | 0.0010 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 136.902    | 41191.38  | 0.0020 | P    | 1.6 |
| 6 | <input type="checkbox"/> | 250.000  | 256.134    | 72229.28  | 0.0036 | P    | 1.7 |
| 7 | <input type="checkbox"/> | 500.000  | 514.672    | 137143.27 | 0.0070 | P    | 2.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 989.346    | 264858.18 | 0.0132 | P    | 1.2 |
| 9 | <input type="checkbox"/> |          |            | 5006.64   | 0.0003 | P    | 7.5 |

$$y = 1.3122\text{E-}005 * x + 2.4921\text{E-}004$$

$$R = 0.9998$$

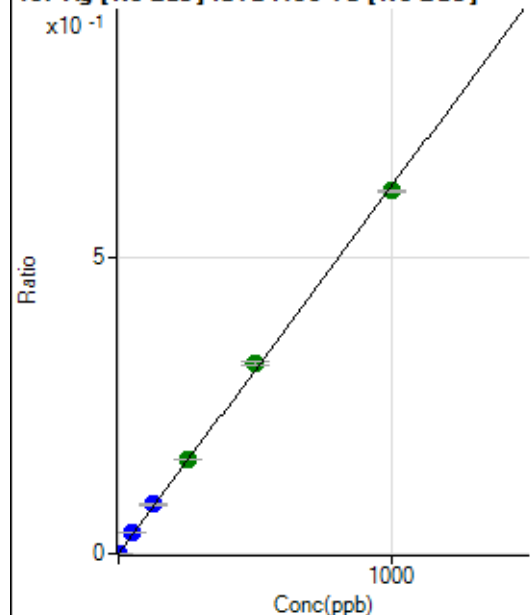
$$DL = 3.753$$

$$BEC = 18.99$$

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      | 147.23      | 0.0000 | P    | 38.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.116      | 14135.45    | 0.0007 | P    | 5.1  |
| 4 | <input type="checkbox"/> | 50.000   | 56.506     | 708605.62   | 0.0350 | P    | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 133.706    | 1667214.40  | 0.0828 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 257.100    | 3185052.85  | 0.1592 | A    | 1.4  |
| 7 | <input type="checkbox"/> | 500.000  | 518.290    | 6285072.54  | 0.3209 | A    | 1.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 987.667    | 12241158.17 | 0.6115 | A    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1508.47     | 0.0001 | P    | 1.7  |

$$y = 6.1916\text{E-}004 * x + 7.2281\text{E-}006$$

$$R = 0.9997$$

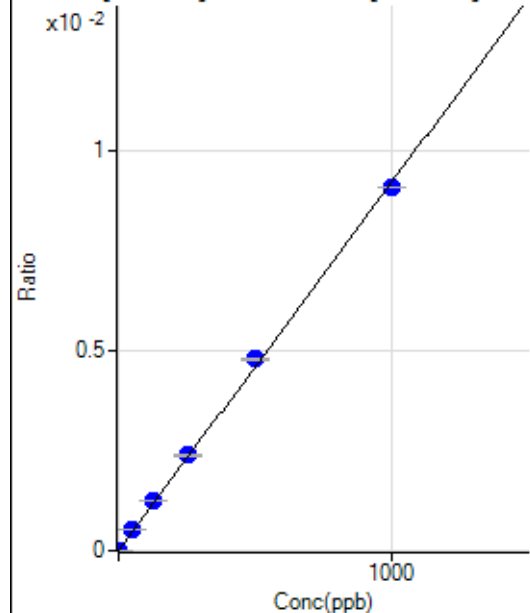
$$DL = 0.01363$$

$$BEC = 0.01167$$

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      | 11.11     | 0.0000 | P    | 79.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.286      | 251.40    | 0.0000 | P    | 12.9 |
| 4 | <input type="checkbox"/> | 50.000   | 55.807     | 10415.12  | 0.0005 | P    | 2.1  |
| 5 | <input type="checkbox"/> | 125.000  | 135.968    | 25219.94  | 0.0013 | P    | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 259.211    | 47756.87  | 0.0024 | P    | 1.9  |
| 7 | <input type="checkbox"/> | 500.000  | 520.634    | 93893.02  | 0.0048 | P    | 1.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 985.719    | 181673.67 | 0.0091 | P    | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 73.61     | 0.0000 | P    | 23.2 |

$$y = 9.2068\text{E-}006 * x + 5.4714\text{E-}007$$

$$R = 0.9996$$

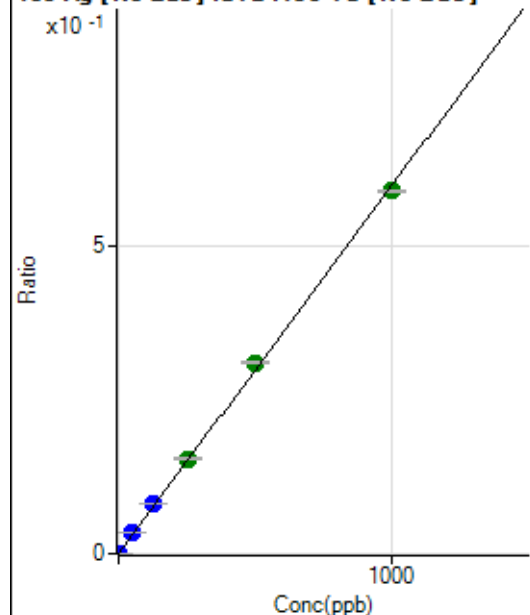
$$DL = 0.1412$$

$$BEC = 0.05943$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.00       | 0.0000 | P    | 11.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.137      | 13790.60    | 0.0007 | P    | 7.2  |
| 4 | <input type="checkbox"/> | 50.000   | 56.781     | 685782.89   | 0.0339 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 134.261    | 1612468.46  | 0.0801 | P    | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 257.941    | 3077742.52  | 0.1538 | A    | 1.8  |
| 7 | <input type="checkbox"/> | 500.000  | 519.332    | 6066340.98  | 0.3097 | A    | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 986.852    | 11780713.55 | 0.5885 | A    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 1302.90     | 0.0001 | P    | 12.4 |

$$y = 5.9638\text{E-}004 * x + 3.6719\text{E-}006$$

$$R = 0.9997$$

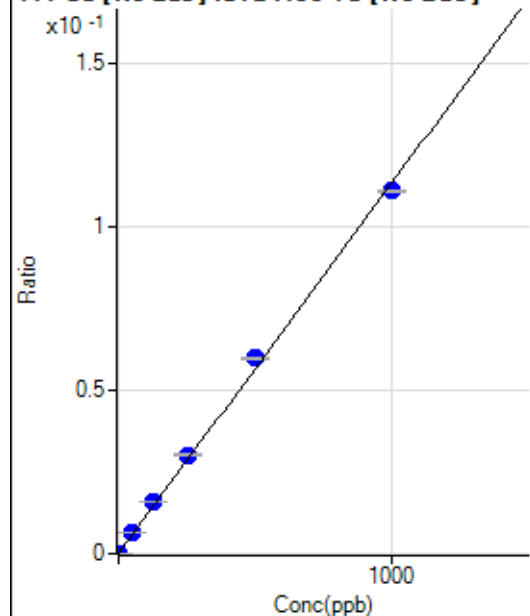
$$DL = 0.002033$$

$$BEC = 0.006157$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1014.95    | 0.0000 | P    | 6.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.133      | 3608.49    | 0.0002 | P    | 1.7 |
| 4 | <input type="checkbox"/> | 50.000   | 58.204     | 134641.52  | 0.0066 | P    | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 140.076    | 320826.19  | 0.0159 | P    | 0.4 |
| 6 | <input type="checkbox"/> | 250.000  | 265.879    | 604166.93  | 0.0302 | P    | 1.2 |
| 7 | <input type="checkbox"/> | 500.000  | 527.822    | 1173140.82 | 0.0599 | P    | 1.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 979.824    | 2224813.53 | 0.1111 | P    | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 1498.99    | 0.0001 | P    | 4.6 |

$$y = 1.1338\text{E-}004 * x + 4.9691\text{E-}005$$

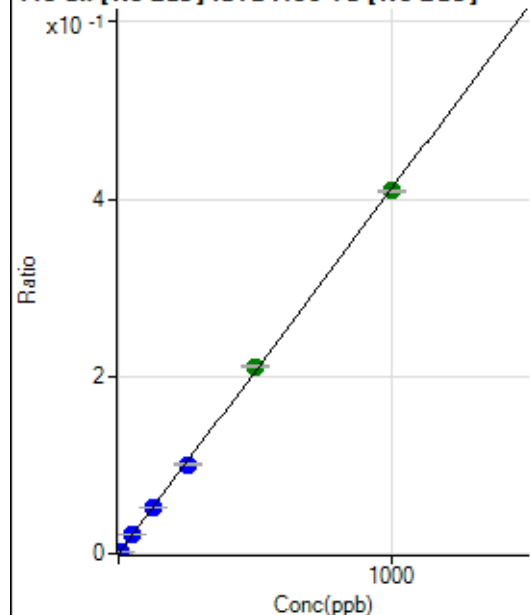
$$R = 0.9992$$

$$DL = 0.08348$$

$$BEC = 0.4383$$

Weight: &lt;None&gt;

Min Conc: 0

**118 Sn [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      | 3089.37    | 0.0002 | P    | 6.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.182      | 46229.79   | 0.0023 | P    | 2.6 |
| 4 | <input type="checkbox"/> | 50.000   | 52.640     | 441526.01  | 0.0218 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 127.491    | 1059038.48 | 0.0526 | P    | 0.3 |
| 6 | <input type="checkbox"/> | 250.000  | 244.497    | 2015171.51 | 0.1007 | P    | 1.4 |
| 7 | <input type="checkbox"/> | 500.000  | 512.726    | 4133486.85 | 0.2110 | A    | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.568    | 8191776.66 | 0.4092 | A    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 18498.96   | 0.0010 | P    | 2.5 |

$$y = 4.1132\text{E-}004 * x + 1.5131\text{E-}004$$

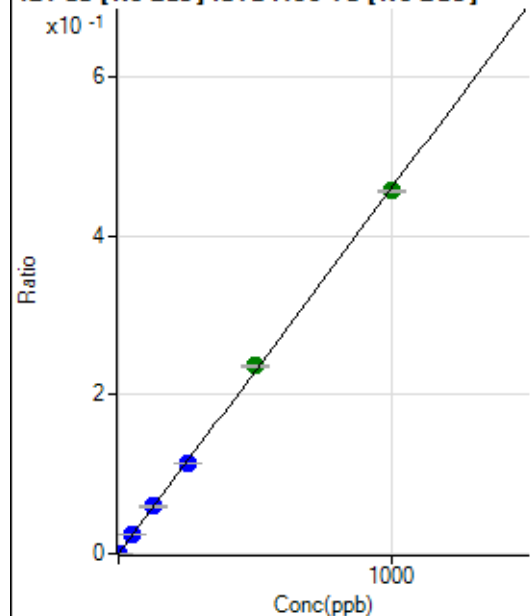
$$R = 0.9999$$

$$DL = 0.06865$$

$$BEC = 0.3679$$

Weight: &lt;None&gt;

Min Conc: 0

**121 Sb [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      | 69.45      | 0.0000 | P    | 49.2 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.106      | 19695.03   | 0.0010 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 53.381     | 497351.73  | 0.0246 | P    | 0.7  |
| 5 | <input type="checkbox"/> | 125.000  | 129.228    | 1197232.06 | 0.0595 | P    | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 247.271    | 2276093.72 | 0.1138 | P    | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 514.423    | 4635259.31 | 0.2367 | A    | 1.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.773    | 9142226.94 | 0.4567 | A    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 12439.28   | 0.0007 | P    | 4.8  |

$$y = 4.6005\text{E-}004 * x + 3.3901\text{E-}006$$

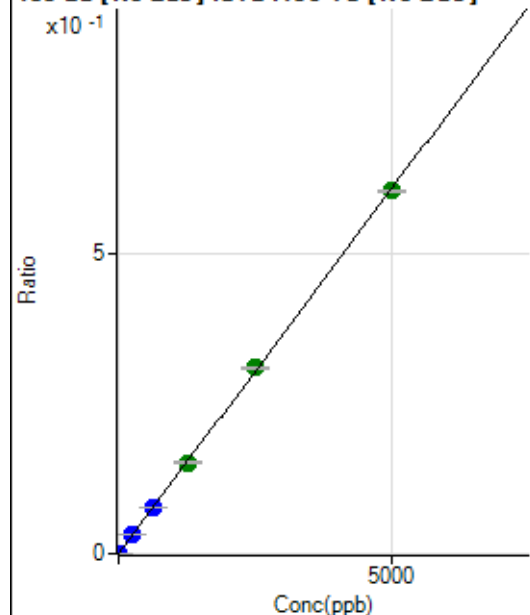
$$R = 0.9998$$

$$DL = 0.01087$$

$$BEC = 0.007369$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00       | 0.0000 | P    | 45.4 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.374     | 25513.07    | 0.0013 | P    | 5.2  |
| 4 | <input type="checkbox"/> | 250.000  | 262.273    | 644090.86   | 0.0318 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 625.000  | 639.015    | 1560500.37  | 0.0775 | P    | 0.1  |
| 6 | <input type="checkbox"/> | 1250.000 | 1245.484   | 3021900.94  | 0.1510 | A    | 1.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2551.194   | 6059589.94  | 0.3094 | A    | 1.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 4973.165   | 12071662.16 | 0.6031 | A    | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 2950.44     | 0.0002 | P    | 7.2  |

$$y = 1.2127\text{E-}004 * x + 2.4562\text{E-}006$$

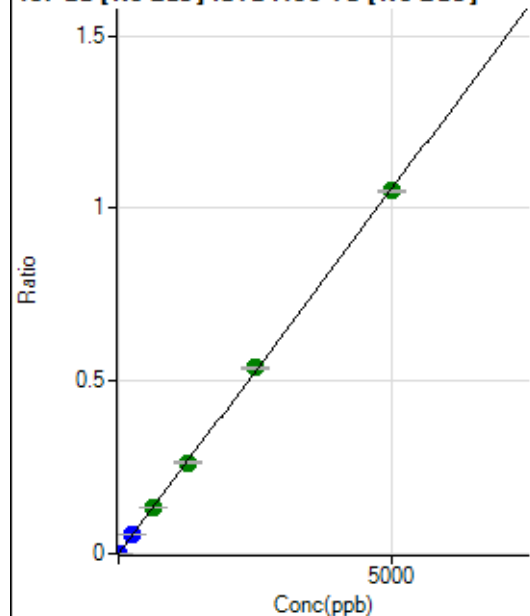
$$R = 0.9999$$

$$DL = 0.02758$$

$$BEC = 0.02025$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 55.56       | 0.0000 | P    | 32.5 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.506     | 44979.45    | 0.0022 | P    | 3.6  |
| 4 | <input type="checkbox"/> | 250.000  | 261.533    | 1118589.48  | 0.0552 | P    | 0.9  |
| 5 | <input type="checkbox"/> | 625.000  | 633.998    | 2696538.82  | 0.1339 | A    | 0.7  |
| 6 | <input type="checkbox"/> | 1250.000 | 1244.607   | 5259213.18  | 0.2629 | A    | 1.9  |
| 7 | <input type="checkbox"/> | 2500.000 | 2547.179   | 10537010.39 | 0.5380 | A    | 1.4  |
| 8 | <input type="checkbox"/> | 5000.000 | 4976.057   | 21037398.73 | 1.0510 | A    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 5053.92     | 0.0003 | P    | 2.9  |

$$y = 2.1121\text{E-}004 * x + 2.7264\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.01258$$

$$BEC = 0.01291$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 4.45   |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 48.89  |       | P        | 34.3 |
| 5 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 22.9 |
| 6 | <input type="checkbox"/> |       |            | 202.23 |       | P        | 16.6 |
| 7 | <input type="checkbox"/> |       |            | 304.46 |       | P        | 30.8 |
| 8 | <input type="checkbox"/> |       |            | 668.93 |       | P        | 5.7  |
| 9 | <input type="checkbox"/> |       |            | 155.56 |       | P        | 6.5  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 21.6 |
| 5 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 6 | <input type="checkbox"/> |       |            | 24.45 |       | P        | 28.4 |
| 7 | <input type="checkbox"/> |       |            | 36.67 |       | P        | 24.1 |
| 8 | <input type="checkbox"/> |       |            | 83.33 |       | P        | 18.3 |
| 9 | <input type="checkbox"/> |       |            | 74.45 |       | P        | 36.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 16.66  |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 57.3 |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 43.3 |
| 5 | <input type="checkbox"/> |       |            | 41.67  |       | P        | 20.0 |
| 6 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 43.3 |
| 7 | <input type="checkbox"/> |       |            | 75.00  |       | P        | 11.1 |
| 8 | <input type="checkbox"/> |       |            | 144.45 |       | P        | 14.5 |
| 9 | <input type="checkbox"/> |       |            | 150.01 |       | P        | 11.1 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44   |       | P        | 43.4 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 3.33   |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 57.3 |
| 5 | <input type="checkbox"/> |       |            | 32.22  |       | P        | 29.8 |
| 6 | <input type="checkbox"/> |       |            | 57.78  |       | P        | 18.5 |
| 7 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 25.0 |
| 8 | <input type="checkbox"/> |       |            | 168.89 |       | P        | 6.0  |
| 9 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 17.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 119.45 |       | P        | 4.0  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 130.56 |       | P        | 30.2 |
| 4 | <input type="checkbox"/> |       |            | 72.23  |       | P        | 13.3 |
| 5 | <input type="checkbox"/> |       |            | 113.89 |       | P        | 30.5 |
| 6 | <input type="checkbox"/> |       |            | 88.89  |       | P        | 23.6 |
| 7 | <input type="checkbox"/> |       |            | 102.78 |       | P        | 18.7 |
| 8 | <input type="checkbox"/> |       |            | 130.56 |       | P        | 3.7  |
| 9 | <input type="checkbox"/> |       |            | 155.56 |       | P        | 17.2 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 243.34 |       | P        | 4.9  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 268.89 |       | P        | 5.9  |
| 4 | <input type="checkbox"/> |       |            | 294.45 |       | P        | 8.6  |
| 5 | <input type="checkbox"/> |       |            | 230.00 |       | P        | 26.4 |
| 6 | <input type="checkbox"/> |       |            | 265.56 |       | P        | 6.4  |
| 7 | <input type="checkbox"/> |       |            | 265.57 |       | P        | 8.9  |
| 8 | <input type="checkbox"/> |       |            | 263.34 |       | P        | 10.0 |
| 9 | <input type="checkbox"/> |       |            | 326.68 |       | P        | 5.3  |

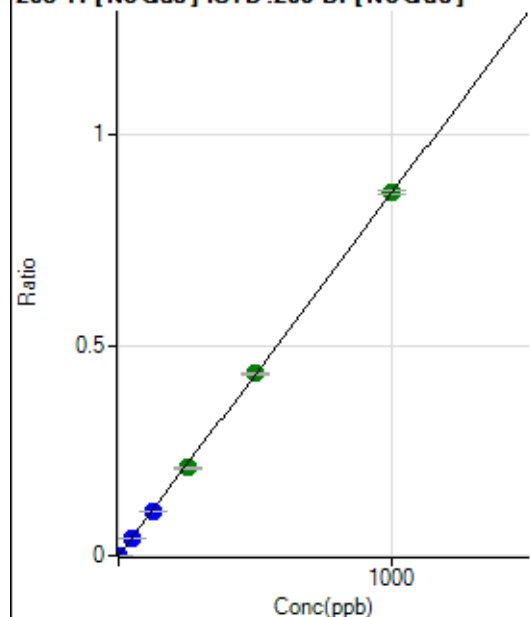
**164 Er [ No Gas ] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 43.3 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 72.23 |       | P        | 43.7 |
| 4 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 16.7 |
| 5 | <input type="checkbox"/> |       |            | 58.34 |       | P        | 28.6 |
| 6 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 16.7 |
| 7 | <input type="checkbox"/> |       |            | 58.33 |       | P        | 51.5 |
| 8 | <input type="checkbox"/> |       |            | 72.23 |       | P        | 26.7 |
| 9 | <input type="checkbox"/> |       |            | 97.22 |       | P        | 4.9  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 31.11 |       | P        | 12.4 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 42.22 |       | P        | 12.1 |
| 4 | <input type="checkbox"/> |       |            | 46.67 |       | P        | 25.8 |
| 5 | <input type="checkbox"/> |       |            | 40.00 |       | P        | 36.3 |
| 6 | <input type="checkbox"/> |       |            | 25.55 |       | P        | 27.1 |
| 7 | <input type="checkbox"/> |       |            | 32.22 |       | P        | 39.2 |
| 8 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 23.1 |
| 9 | <input type="checkbox"/> |       |            | 34.45 |       | P        | 31.1 |

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      | 161.12      | 0.0000 | P    | 6.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.970      | 10660.32    | 0.0008 | P    | 4.2 |
| 4 | <input type="checkbox"/> | 50.000   | 49.224     | 532979.77   | 0.0424 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 121.224    | 1303895.90  | 0.1044 | P    | 1.0 |
| 6 | <input type="checkbox"/> | 250.000  | 242.920    | 2573702.57  | 0.2092 | A    | 1.4 |
| 7 | <input type="checkbox"/> | 500.000  | 502.463    | 5126741.43  | 0.4327 | A    | 1.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.049   | 10157788.59 | 0.8620 | A    | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 5732.04     | 0.0006 | P    | 8.3 |

$$y = 8.6113E-004 * x + 1.2660E-005$$

$$R = 1.0000$$

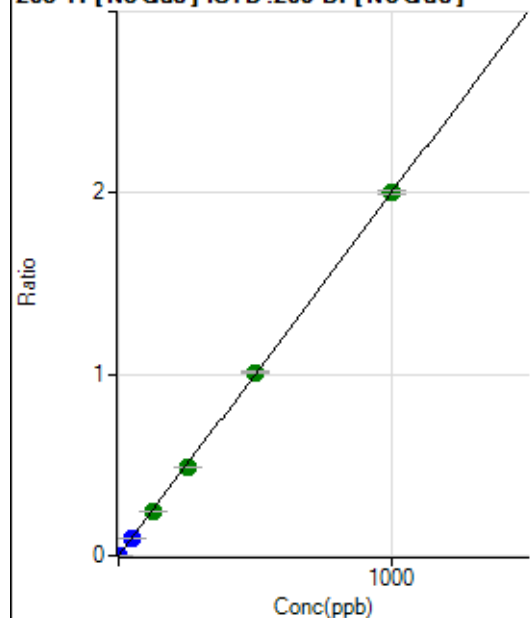
$$DL = 0.003055$$

$$BEC = 0.0147$$

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      | 450.03      | 0.0000 | P    | 6.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.998      | 25567.05    | 0.0020 | P    | 2.5 |
| 4 | <input type="checkbox"/> | 50.000   | 49.559     | 1247019.68  | 0.0992 | P    | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 121.452    | 3035707.36  | 0.2431 | A    | 1.0 |
| 6 | <input type="checkbox"/> | 250.000  | 243.724    | 6000412.11  | 0.4877 | A    | 1.5 |
| 7 | <input type="checkbox"/> | 500.000  | 504.566    | 11962998.96 | 1.0097 | A    | 1.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.752    | 23573549.31 | 2.0006 | A    | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 13468.48    | 0.0014 | P    | 3.8 |

$$y = 0.0020 * x + 3.5396E-005$$

$$R = 1.0000$$

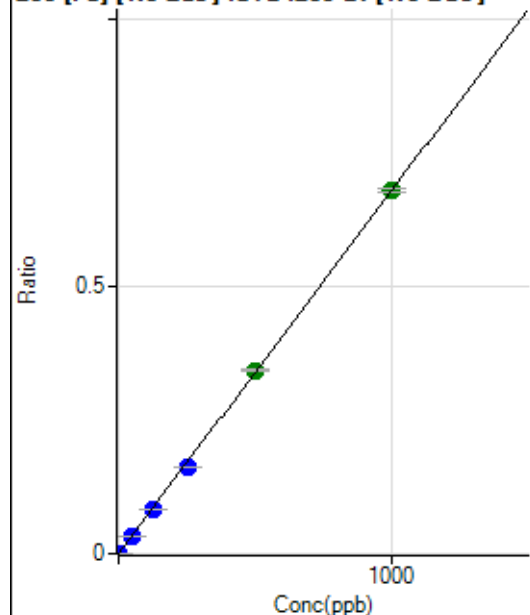
$$DL = 0.003386$$

$$BEC = 0.01769$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 344.46     | 0.0000 | P    | 8.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.990      | 8779.05    | 0.0007 | P    | 4.2 |
| 4 | <input type="checkbox"/> | 50.000   | 50.083     | 427089.89  | 0.0340 | P    | 0.7 |
| 5 | <input type="checkbox"/> | 125.000  | 123.544    | 1046272.04 | 0.0838 | P    | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 239.802    | 2000244.95 | 0.1626 | P    | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 505.503    | 4060141.50 | 0.3427 | A    | 1.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.976    | 7987698.38 | 0.6779 | A    | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 42468.23   | 0.0043 | P    | 0.6 |

$$y = 6.7786\text{E-}004 * x + 2.7057\text{E-}005$$

$$R = 0.9999$$

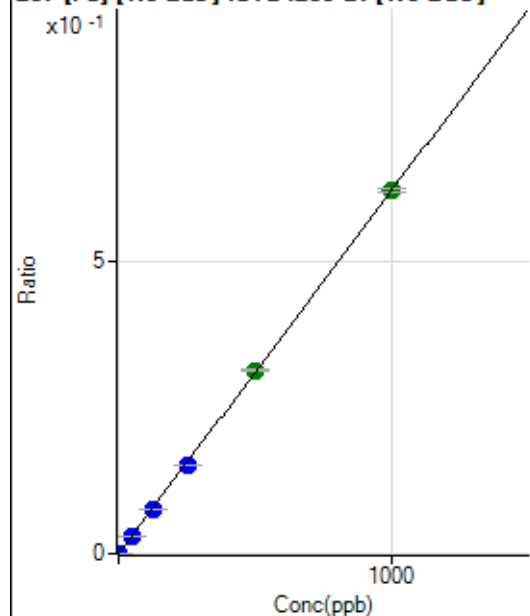
$$DL = 0.01008$$

$$BEC = 0.03992$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 335.20     | 0.0000 | P    | 7.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.018      | 8289.85    | 0.0007 | P    | 5.4 |
| 4 | <input type="checkbox"/> | 50.000   | 50.110     | 392077.07  | 0.0312 | P    | 0.5 |
| 5 | <input type="checkbox"/> | 125.000  | 123.486    | 959519.31  | 0.0768 | P    | 0.2 |
| 6 | <input type="checkbox"/> | 250.000  | 242.468    | 1855688.26 | 0.1508 | P    | 0.8 |
| 7 | <input type="checkbox"/> | 500.000  | 504.705    | 3719372.13 | 0.3139 | A    | 1.3 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.714    | 7326706.13 | 0.6218 | A    | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 36639.73   | 0.0037 | P    | 1.3 |

$$y = 6.2193\text{E-}004 * x + 2.6352\text{E-}005$$

$$R = 1.0000$$

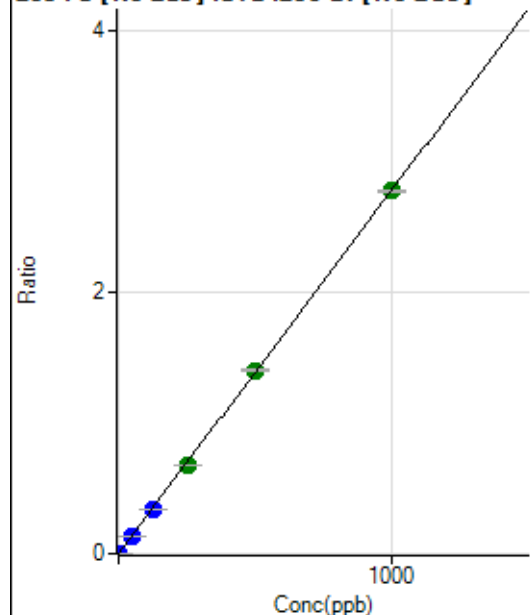
$$DL = 0.009593$$

$$BEC = 0.04237$$

Weight: &lt;None&gt;

Min Conc: 0

208 Pb [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      | 1503.79     | 0.0001 | P    | 0.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.015      | 36993.53    | 0.0029 | P    | 3.8 |
| 4 | <input type="checkbox"/> | 50.000   | 50.080     | 1752432.31  | 0.1394 | P    | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 122.541    | 4258308.17  | 0.3410 | P    | 0.7 |
| 6 | <input type="checkbox"/> | 250.000  | 243.396    | 8330452.01  | 0.6771 | A    | 1.1 |
| 7 | <input type="checkbox"/> | 500.000  | 505.480    | 16658927.83 | 1.4061 | A    | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 999.214    | 32750447.72 | 2.7794 | A    | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 168230.94   | 0.0169 | P    | 0.4 |

$$y = 0.0028 * x + 1.1820E-004$$

$$R = 1.0000$$

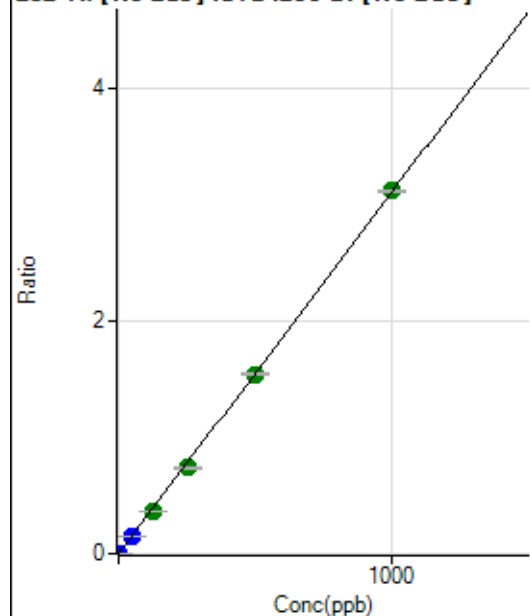
$$DL = 0.0004657$$

$$BEC = 0.0425$$

Weight: &lt;None&gt;

Min Conc: 0

232 Th [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      | 262.97      | 0.0000 | P    | 24.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.964      | 37840.28    | 0.0030 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 50.000   | 46.985     | 1831760.60  | 0.1457 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 117.425    | 4548077.56  | 0.3642 | A    | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 238.038    | 9081412.88  | 0.7382 | A    | 1.6  |
| 7 | <input type="checkbox"/> | 500.000  | 498.063    | 18299737.79 | 1.5445 | A    | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.057   | 36725789.71 | 3.1167 | A    | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 5282.74     | 0.0005 | P    | 16.4 |

$$y = 0.0031 * x + 2.0716E-005$$

$$R = 0.9999$$

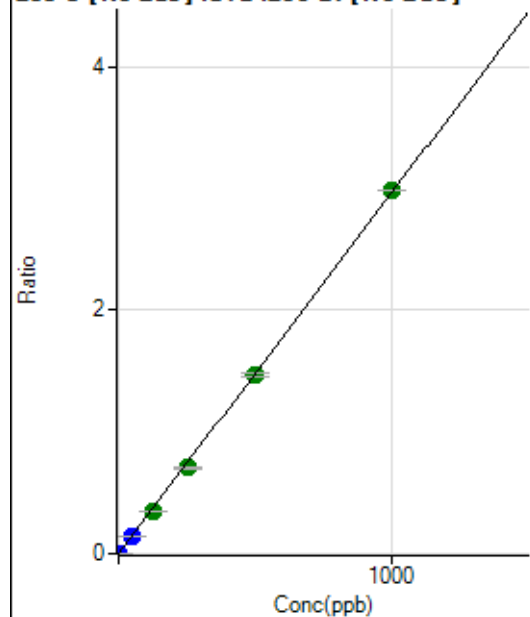
$$DL = 0.004968$$

$$BEC = 0.006681$$

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      | 94.45       | 0.0000 | P        | 6.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.976      | 36477.36    | 0.0029 | P        | 3.2 |
| 4 | <input type="checkbox"/> | 50.000   | 47.521     | 1770425.81  | 0.1408 | P        | 0.2 |
| 5 | <input type="checkbox"/> | 125.000  | 118.008    | 4368034.56  | 0.3497 | A        | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 238.565    | 8698164.52  | 0.7070 | A        | 1.8 |
| 7 | <input type="checkbox"/> | 500.000  | 497.166    | 17456758.55 | 1.4734 | A        | 1.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 1005.274   | 35106750.79 | 2.9793 | A        | 0.2 |
| 9 | <input type="checkbox"/> |          |            | 4384.29     | 0.0004 | P        | 9.0 |

$$y = 0.0030 * x + 7.4289E-006$$

$$R = 0.9999$$

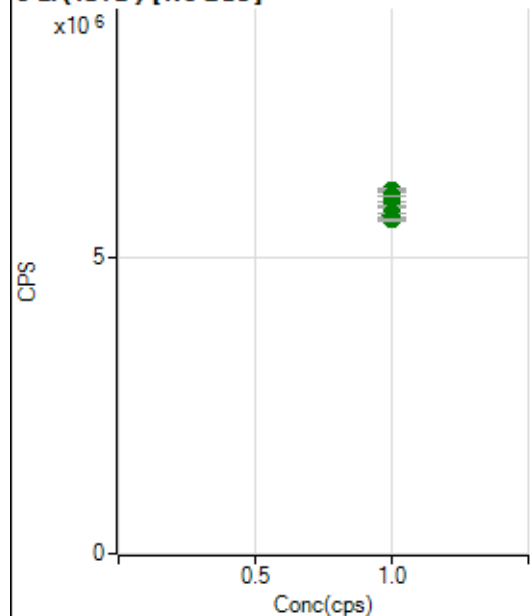
$$DL = 0.000497$$

$$BEC = 0.002507$$

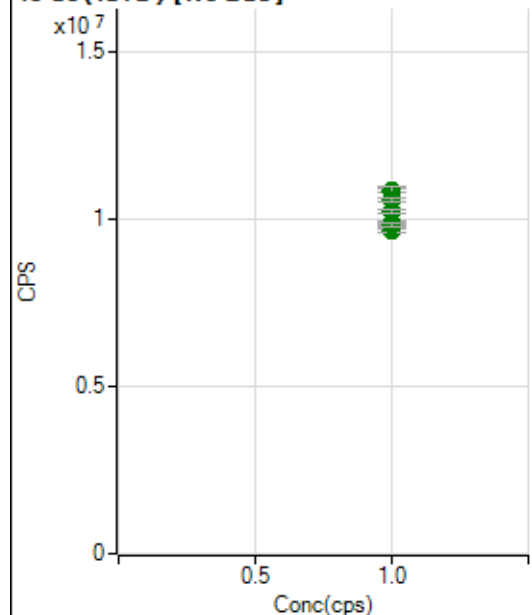
Weight: &lt;None&gt;

Min Conc: 0

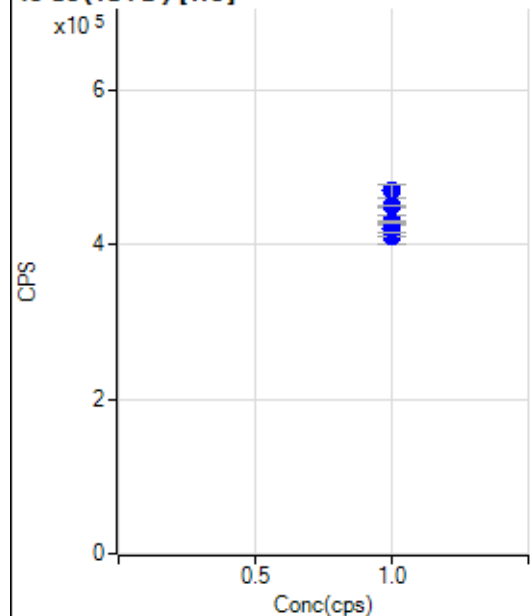
6 Li (ISTD) [No Gas]



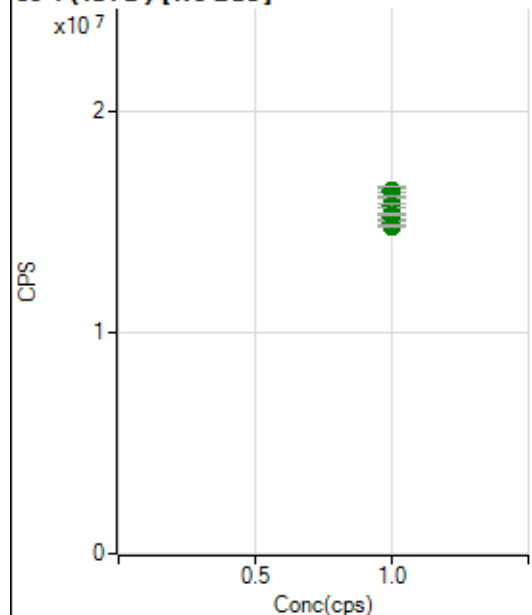
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6114160.33 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6031164.00 |       | A        | 3.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6032654.28 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5863826.16 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5708320.40 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5631862.76 |       | A        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5747377.35 |       | A        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5632497.21 |       | A        | 0.6 |

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

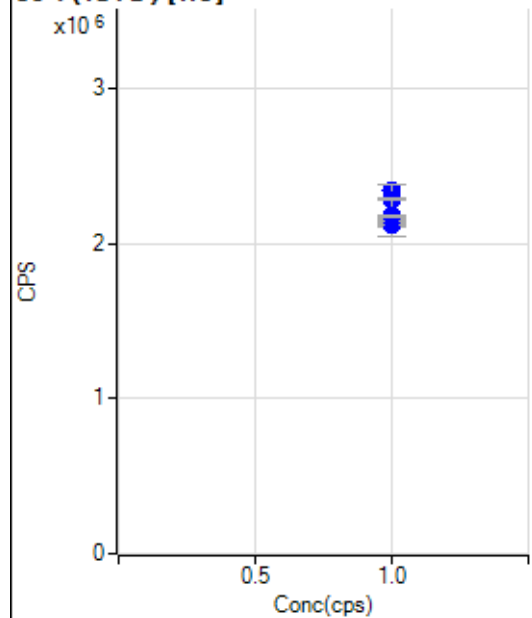
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10857209.27 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 10821493.47 |       | A        | 3.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 10584184.52 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10233940.16 |       | A        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9779780.25  |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9654794.83  |       | A        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9913179.91  |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9847910.12  |       | A        | 0.8 |

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

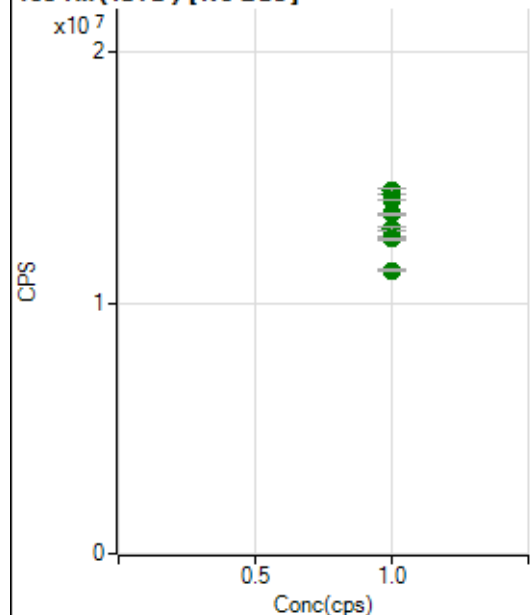
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-----------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 431036.57 |       | P        | 2.7  |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |      |
| 3 | <input type="checkbox"/> | 1.000 |            | 469335.50 |       | P        | 3.8  |
| 4 | <input type="checkbox"/> | 1.000 |            | 449553.33 |       | P        | 0.9  |
| 5 | <input type="checkbox"/> | 1.000 |            | 426147.47 |       | P        | 11.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 410120.21 |       | P        | 0.2  |
| 7 | <input type="checkbox"/> | 1.000 |            | 419828.80 |       | P        | 2.3  |
| 8 | <input type="checkbox"/> | 1.000 |            | 429022.57 |       | P        | 0.4  |
| 9 | <input type="checkbox"/> | 1.000 |            | 450131.57 |       | P        | 0.4  |

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

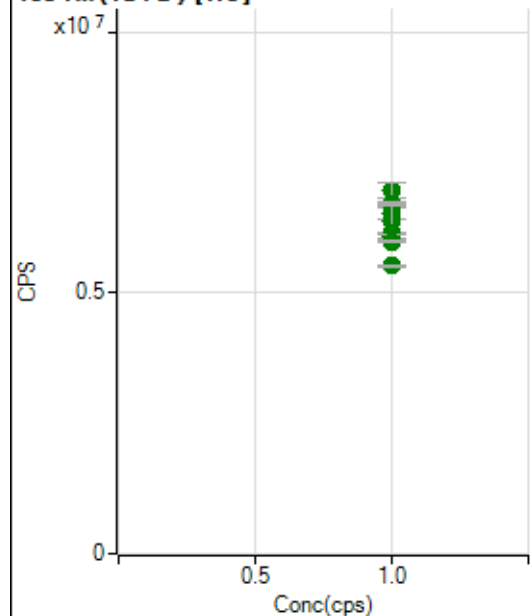
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 16423689.75 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 16380918.64 |       | A        | 3.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 16158992.26 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 15735418.93 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 15250113.38 |       | A        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 15006398.53 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 15349104.22 |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 14840209.36 |       | A        | 0.4 |

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

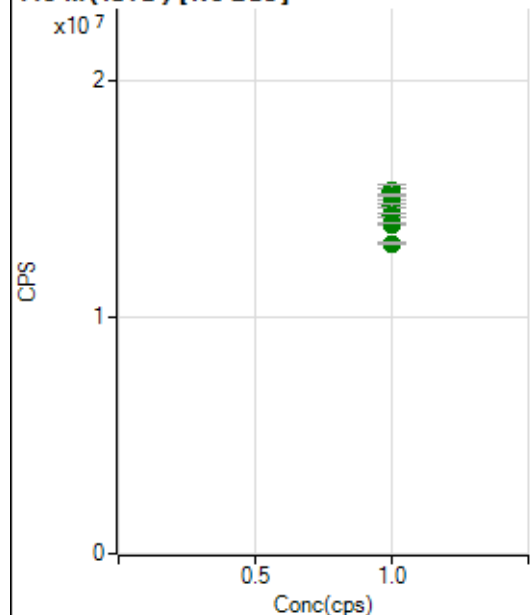
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 2140717.92 |       | P        | 3.0  |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |      |
| 3 | <input type="checkbox"/> | 1.000 |            | 2342461.67 |       | P        | 3.9  |
| 4 | <input type="checkbox"/> | 1.000 |            | 2288274.78 |       | P        | 0.5  |
| 5 | <input type="checkbox"/> | 1.000 |            | 2166255.38 |       | M        | 10.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2129193.63 |       | P        | 0.3  |
| 7 | <input type="checkbox"/> | 1.000 |            | 2161490.02 |       | P        | 1.7  |
| 8 | <input type="checkbox"/> | 1.000 |            | 2157411.36 |       | P        | 0.5  |
| 9 | <input type="checkbox"/> | 1.000 |            | 2179399.92 |       | P        | 0.7  |

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

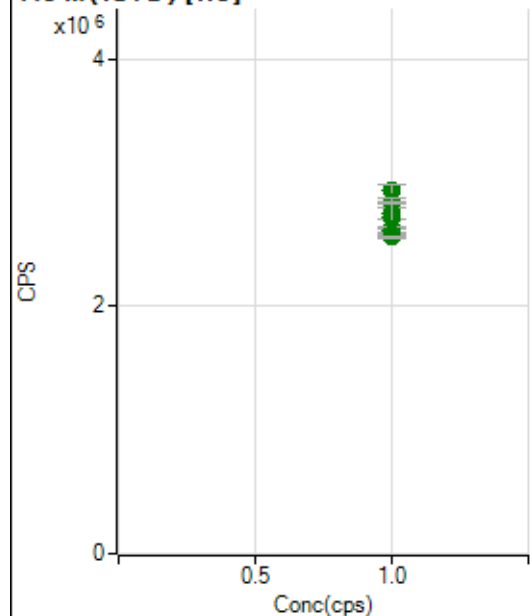
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 14481805.18 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 14376359.18 |       | A        | 3.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 14120739.20 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 13561783.98 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 12975619.04 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 12594017.99 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 12567773.54 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 11306738.01 |       | A        | 0.3 |

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

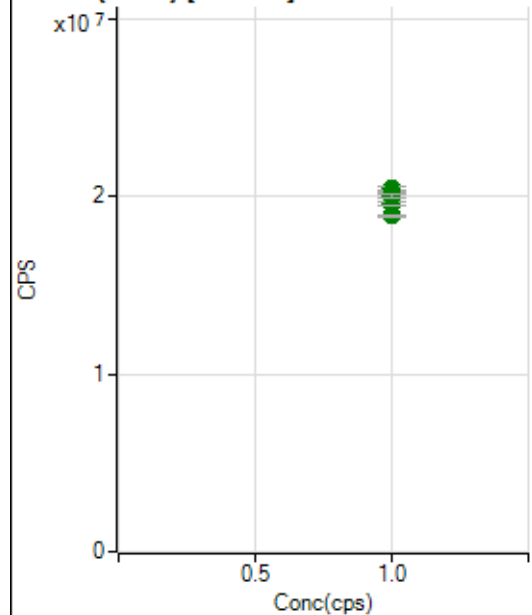
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 6531407.54 |       | A        | 3.4  |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |      |
| 3 | <input type="checkbox"/> | 1.000 |            | 6950839.41 |       | A        | 4.1  |
| 4 | <input type="checkbox"/> | 1.000 |            | 6689185.25 |       | A        | 0.7  |
| 5 | <input type="checkbox"/> | 1.000 |            | 6366401.09 |       | A        | 11.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6140580.05 |       | A        | 0.5  |
| 7 | <input type="checkbox"/> | 1.000 |            | 6085059.35 |       | A        | 1.5  |
| 8 | <input type="checkbox"/> | 1.000 |            | 5982474.35 |       | A        | 0.4  |
| 9 | <input type="checkbox"/> | 1.000 |            | 5511535.19 |       | A        | 0.4  |

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

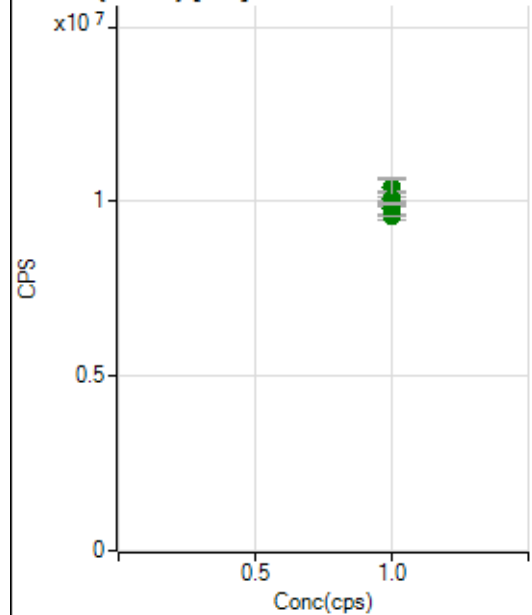
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 15311082.93 |       | A        | 1.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 15258207.40 |       | A        | 3.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 15103453.16 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 14696343.72 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 14282229.24 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 13916547.49 |       | A        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 13952930.36 |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 13077024.45 |       | A        | 0.6 |

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

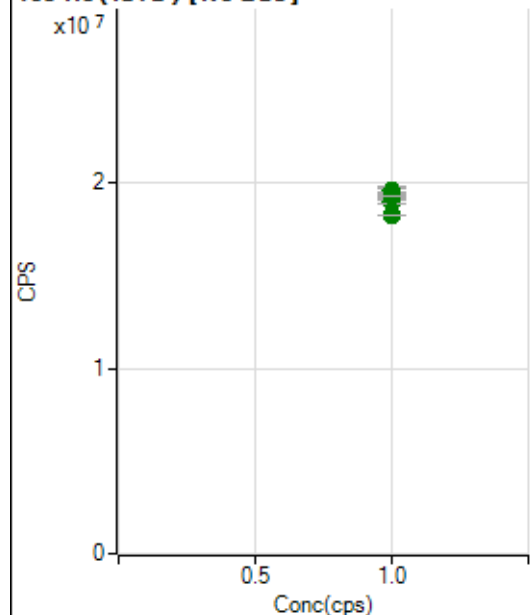
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 2750897.28 |       | A        | 3.7  |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |      |
| 3 | <input type="checkbox"/> | 1.000 |            | 2936392.39 |       | A        | 4.0  |
| 4 | <input type="checkbox"/> | 1.000 |            | 2841709.24 |       | A        | 1.0  |
| 5 | <input type="checkbox"/> | 1.000 |            | 2724188.80 |       | A        | 11.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2628213.32 |       | A        | 0.1  |
| 7 | <input type="checkbox"/> | 1.000 |            | 2620357.94 |       | A        | 1.6  |
| 8 | <input type="checkbox"/> | 1.000 |            | 2587397.61 |       | A        | 0.4  |
| 9 | <input type="checkbox"/> | 1.000 |            | 2564385.15 |       | A        | 0.8  |

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

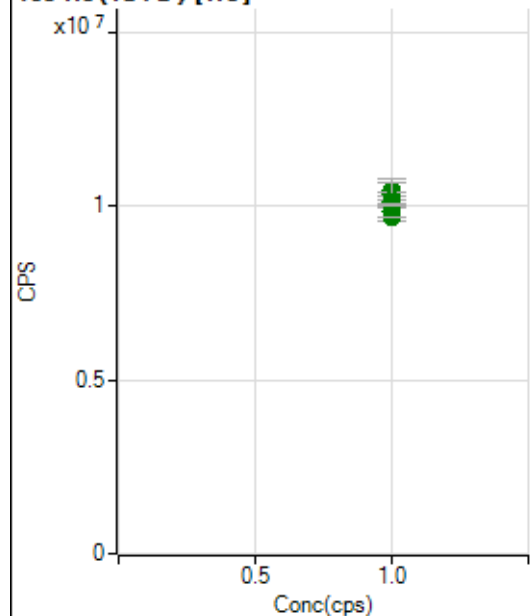
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 20427051.64 |       | A        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 20260795.12 |       | A        | 3.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 20250017.89 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 20137176.23 |       | A        | 0.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 20009969.56 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 19588474.15 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 20017323.31 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 18900187.08 |       | A        | 0.3 |

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

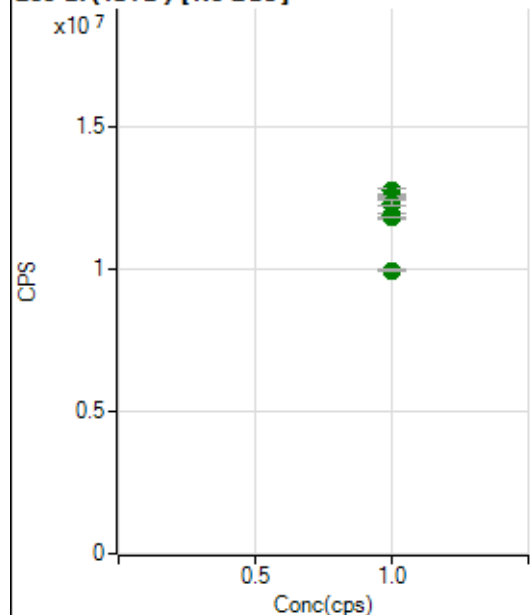
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 9818235.34  |       | A        | 3.7  |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |      |
| 3 | <input type="checkbox"/> | 1.000 |            | 10387175.96 |       | A        | 4.7  |
| 4 | <input type="checkbox"/> | 1.000 |            | 10253346.38 |       | A        | 0.5  |
| 5 | <input type="checkbox"/> | 1.000 |            | 10068664.08 |       | A        | 11.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9891547.56  |       | A        | 0.2  |
| 7 | <input type="checkbox"/> | 1.000 |            | 9975198.18  |       | A        | 1.2  |
| 8 | <input type="checkbox"/> | 1.000 |            | 9949357.49  |       | A        | 0.3  |
| 9 | <input type="checkbox"/> | 1.000 |            | 9575894.09  |       | A        | 0.4  |

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

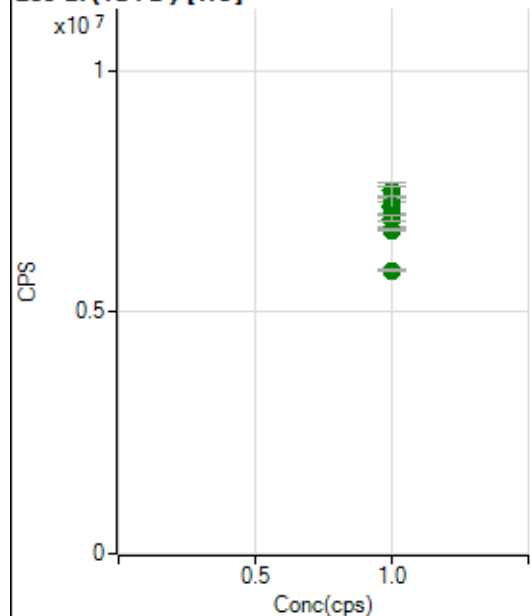
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 19587075.96 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 19471304.60 |       | A        | 3.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 19480259.29 |       | A        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 19444362.24 |       | A        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 19266761.89 |       | A        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 18997408.93 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 19330929.77 |       | A        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 18259283.74 |       | A        | 0.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 9840793.26  |       | A        | 3.3  |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |      |
| 3 | <input type="checkbox"/> | 1.000 |            | 10432649.50 |       | A        | 4.6  |
| 4 | <input type="checkbox"/> | 1.000 |            | 10340487.83 |       | A        | 0.7  |
| 5 | <input type="checkbox"/> | 1.000 |            | 10161257.98 |       | A        | 12.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9950593.53  |       | A        | 0.4  |
| 7 | <input type="checkbox"/> | 1.000 |            | 10119134.08 |       | A        | 1.6  |
| 8 | <input type="checkbox"/> | 1.000 |            | 10046552.00 |       | A        | 0.5  |
| 9 | <input type="checkbox"/> | 1.000 |            | 9679035.69  |       | A        | 0.1  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 12721673.15 |       | A        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 12584770.92 |       | A        | 3.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 12570252.59 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 12489541.06 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 12304139.82 |       | A        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 11849674.96 |       | A        | 1.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 11783580.24 |       | A        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9940468.81  |       | A        | 0.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|------------|-------|----------|------|
| 1 | <input type="checkbox"/> | 1.000 |            | 7160015.03 |       | A        | 3.1  |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |      |
| 3 | <input type="checkbox"/> | 1.000 |            | 7505961.21 |       | A        | 4.2  |
| 4 | <input type="checkbox"/> | 1.000 |            | 7374306.21 |       | A        | 0.5  |
| 5 | <input type="checkbox"/> | 1.000 |            | 7189283.57 |       | A        | 11.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6997732.19 |       | A        | 0.2  |
| 7 | <input type="checkbox"/> | 1.000 |            | 6923659.96 |       | A        | 1.8  |
| 8 | <input type="checkbox"/> | 1.000 |            | 6702620.46 |       | A        | 0.6  |
| 9 | <input type="checkbox"/> | 1.000 |            | 5865508.39 |       | A        | 0.1  |

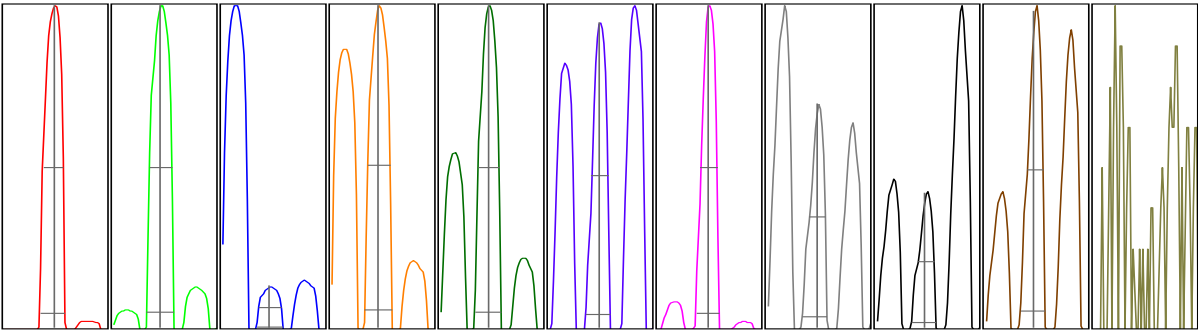
US EPA Tune Check Sample Report

Batch Folder D:\ICP-MS Data\P7091918 MS.b  
Report Comment  
Instrument Name G8403A JP14410463

| [No Gas] |         |          |            |        |
|----------|---------|----------|------------|--------|
| Mass     | Count   | RSD%     | RSD%       | RSD%   |
|          | (Mean)  | (Actual) | (Required) | (Flag) |
| 9        | 16947   | 0.94     | 5.00       |        |
| 24       | 1481502 | 0.81     | 5.00       |        |
| 25       | 197025  | 0.78     | 5.00       |        |
| 26       | 222118  | 0.76     | 5.00       |        |
| 59       | 110097  | 0.81     | 5.00       |        |
| 113      | 13674   | 1.55     | 5.00       |        |
| 115      | 166580  | 2.72     | 5.00       |        |
| 206      | 39312   | 0.54     | 5.00       |        |
| 207      | 36001   | 0.59     | 5.00       |        |
| 208      | 83691   | 0.69     | 5.00       |        |
| 220      | 0       | 103.65   |            |        |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 16908                | 16689                | 17003                | 17050                | 17086                |
| 24   | 1483597              | 1460436              | 1486355              | 1490171              | 1486953              |
| 25   | 197329               | 194331               | 197458               | 198034               | 197973               |
| 26   | 222755               | 219100               | 222703               | 223181               | 222850               |
| 59   | 110548               | 108559               | 110105               | 110504               | 110773               |
| 113  | 14041                | 13596                | 13667                | 13547                | 13521                |
| 115  | 173906               | 166646               | 166610               | 163433               | 162303               |
| 206  | 39435                | 39030                | 39285                | 39590                | 39219                |
| 207  | 36192                | 35711                | 36149                | 36117                | 35835                |
| 208  | 83863                | 83080                | 84568                | 83632                | 83312                |
| 220  | 0                    | 0                    | 0                    | 0                    | 0                    |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 29661          | 9.00             | 8.9 - 9.1          |                | 0.735                | 0.900                  |                        |
| 24   | 2432915        | 23.90            | 23.9 - 24.1        |                | 0.785                | 0.900                  |                        |
| 25   | 318406         | 24.90            | 24.9 - 25.1        |                | 0.779                | 0.900                  |                        |
| 26   | 367506         | 25.90            | 25.9 - 26.1        |                | 0.785                | 0.900                  |                        |
| 59   | 194821         | 58.95            | 58.9 - 59.1        |                | 0.773                | 0.900                  |                        |
| 113  | 28699          | 113.00           | 112.9 - 113.1      |                | 0.706                | 0.900                  |                        |
| 115  | 352377         | 115.00           | 114.9 - 115.1      |                | 0.680                | 0.900                  |                        |
| 206  | 84379          | 206.00           | 205.9 - 206.1      |                | 0.713                | 0.900                  |                        |
| 207  | 75885          | 206.95           | 206.9 - 207.1      |                | 0.702                | 0.900                  |                        |
| 208  | 178366         | 207.95           | 207.9 - 208.1      |                | 0.713                | 0.900                  |                        |
| 220  |                |                  | -                  |                |                      |                        |                        |

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

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.80  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 7.0   | V    | Deflect       | 14.0  | V    |
| Extract 2     | -115.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -60    | V    | Cell Exit     | -50   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | No    |        | OctP Bias     | -8.0  | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 0.0   | mL/min | OctP RF       | 190   | V    |                       |       |       |

[He]

| Mass | Count  | RSD%     | RSD%       |
|------|--------|----------|------------|
|      | (Mean) | (Actual) | (Required) |
| 59   | 27915  | 0.81     |            |
| 89   | 661891 | 0.87     |            |
| 205  | 33637  | 0.50     |            |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 27861                | 28141                | 27997                | 27552                | 28026                |
| 89   | 662109               | 665451               | 668157               | 652998               | 660742               |
| 205  | 33622                | 33924                | 33581                | 33482                | 33575                |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

| ParameterName | Value | Unit | ParameterName  | Value | Unit  | ParameterName       | Value | Unit         |
|---------------|-------|------|----------------|-------|-------|---------------------|-------|--------------|
| RF Power      | 1600  | W    | Carrier Gas    | 0.80  | L/min | S/C Temp            |       | 2 °C         |
| RF Matching   | 1.80  | V    | Option Gas     | 0.0   | %     | Gas Switch          |       | Dilution Gas |
| Smpl Depth    | 9.0   | mm   | Nebulizer Pump | 0.10  | rpm   | Makeup/Dilution Gas |       | 0.37 L/min   |

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 7.4   | V    | Deflect       | 2.2   | V    |
| Extract 2     | -130.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -65    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

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

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 12:55:28 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.06   | -0.30   | 0.37    | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Arsenic    | 75-2  | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Barium     | 135-1 | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | 0.13    | -0.13   | 0.00    | 0.00       | N/A     | ppb   |
| Boron      | 11-1  | -0.15   | -0.03   | 0.17    | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | 0.03    | -0.03   | 0.00    | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | 1.13    | -1.34   | 0.21    | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | -0.04   | -0.02   | 0.05    | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | 0.98    | -0.15   | -0.83   | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | 0.43    | -0.62   | 0.19    | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | 0.00    | 0.01    | -0.01   | 0.00       | N/A     | ppb   |
| Cobalt     | 59-2  | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Copper     | 63-2  | -0.01   | -0.02   | 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 |         |         |         | 100        |         | %     |
| Holmium    | 165-2 |         |         |         | 100        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 100        |         | %     |
| Iron       | 56-2  | -0.03   | -0.03   | 0.06    | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | -0.32   | -0.13   | 0.45    | 0.00       | N/A     | ppb   |
| Lead       | 206-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 207-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 208-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | 0.14    | 0.01    | -0.14   | 0.00       | N/A     | ppb   |
| Manganese  | 55-2  | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 12:55:28 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Molybdenum | 96-1  | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Molybdenum | 97-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 98-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.01   | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | -5.87   | 20.89   | -4.89   | 3.38       | 449.38  | ppb   |
| Potassium  | 39-2  | -2.61   | 0.45    | 2.16    | 0.00       | N/A     | ppb   |
| Rhodium    | 103-1 |         |         |         | 100        |         | %     |
| Rhodium    | 103-2 |         |         |         | 100        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 100        |         | %     |
| Selenium   | 77-2  | -0.14   | -0.14   | 0.28    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.22   | 0.63    | -0.41   | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | -0.11   | 0.19    | -0.09   | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | -0.27   | -0.23   | 0.50    | 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    | 0.01    | 0.00       | N/A     | ppb   |
| Sodium     | 23-2  | 0.05    | 0.01    | -0.06   | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | -54.71  | -2.18   | 56.09   | -0.27      |         | ppb   |
| Terbium    | 159-1 |         |         |         | 100        |         | %     |
| Terbium    | 159-2 |         |         |         | 100        |         | %     |
| Thallium   | 203-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Tin        | 118-1 | -0.01   | -0.01   | 0.03    | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | 0.01    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Yttrium    | 89-1  |         |         |         | 100        |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |
| Zinc       | 66-2  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 12:55:28 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Zirconium | 91-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:03:57 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 17.49   | 18.68   | 21.02   | 19.06      | 9.40    | ppb   |
| Antimony   | 121-1 | 2.13    | 2.14    | 2.05    | 2.11       | 2.48    | ppb   |
| Arsenic    | 75-2  | 0.98    | 1.17    | 1.27    | 1.14       | 12.65   | ppb   |
| Barium     | 135-1 | 10.99   | 10.11   | 10.02   | 10.37      | 5.18    | ppb   |
| Barium     | 137-1 | 10.92   | 10.43   | 10.17   | 10.51      | 3.64    | ppb   |
| Beryllium  | 9-1   | 1.19    | 1.08    | 1.03    | 1.10       | 7.53    | ppb   |
| Bismuth    | 209-1 |         |         |         | 99         |         | %     |
| Bismuth    | 209-2 |         |         |         | 105        |         | %     |
| Boron      | 10-1  | 24.72   | 24.02   | 25.22   | 24.65      | 2.43    | ppb   |
| Boron      | 11-1  | 24.35   | 23.82   | 23.86   | 24.01      | 1.22    | ppb   |
| Cadmium    | 111-1 | 1.16    | 1.13    | 1.11    | 1.13       | 2.35    | ppb   |
| Cadmium    | 106-1 | 1.54    | 1.48    | 1.73    | 1.58       | 8.28    | ppb   |
| Cadmium    | 108-1 | 1.21    | 1.16    | 1.48    | 1.29       | 13.51   | ppb   |
| Calcium    | 43-1  | 471.99  | 470.17  | 469.23  | 470.46     | 0.30    | ppb   |
| Calcium    | 44-1  | 502.81  | 482.73  | 470.03  | 485.19     | 3.41    | ppb   |
| Chromium   | 52-2  | 2.18    | 2.22    | 2.44    | 2.28       | 6.23    | ppb   |
| Cobalt     | 59-2  | 1.02    | 1.12    | 1.14    | 1.09       | 6.26    | ppb   |
| Copper     | 63-2  | 2.13    | 2.18    | 2.25    | 2.19       | 2.88    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 99         |         | %     |
| Holmium    | 165-2 |         |         |         | 106        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 107        |         | %     |
| Iron       | 56-2  | 53.13   | 53.15   | 56.84   | 54.37      | 3.93    | ppb   |
| Iron       | 57-2  | 55.86   | 61.21   | 61.22   | 59.43      | 5.21    | ppb   |
| Lead       | 206-1 | 1.04    | 0.99    | 0.95    | 0.99       | 4.37    | ppb   |
| Lead       | 207-1 | 1.08    | 1.00    | 0.97    | 1.02       | 5.58    | ppb   |
| Lead       | 208-1 | 1.06    | 1.00    | 0.99    | 1.02       | 3.91    | ppb   |
| Lithium    | 6-1   |         |         |         | 99         |         | %     |
| Magnesium  | 24-2  | 467.83  | 471.58  | 500.91  | 480.11     | 3.77    | ppb   |
| Manganese  | 55-2  | 1.00    | 0.99    | 1.19    | 1.06       | 11.01   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:03:57 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD  | Units |
|------------|-------|---------|---------|---------|------------|----------|-------|
| Molybdenum | 94-1  | 5.47    | 5.02    | 5.06    | 5.18       | 4.78     | ppb   |
| Molybdenum | 95-1  | 5.27    | 5.17    | 5.02    | 5.15       | 2.46     | ppb   |
| Molybdenum | 96-1  | 5.12    | 5.04    | 5.10    | 5.08       | 0.82     | ppb   |
| Molybdenum | 97-1  | 5.17    | 4.99    | 4.95    | 5.04       | 2.39     | ppb   |
| Molybdenum | 98-1  | 5.35    | 5.00    | 5.02    | 5.12       | 3.83     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |          | cps   |
| Neodymium  | 150-2 |         |         |         |            |          | cps   |
| Nickel     | 60-2  | 1.24    | 1.14    | 1.29    | 1.22       | 6.33     | ppb   |
| Phosphorus | 31-2  | -3.52   | -4.64   | -1.97   | -3.38      |          | ppb   |
| Potassium  | 39-2  | 474.67  | 476.00  | 515.37  | 488.68     | 4.73     | ppb   |
| Rhodium    | 103-1 |         |         |         | 99         |          | %     |
| Rhodium    | 103-2 |         |         |         | 106        |          | %     |
| Scandium   | 45-1  |         |         |         | 100        |          | %     |
| Scandium   | 45-2  |         |         |         | 109        |          | %     |
| Selenium   | 77-2  | 7.17    | 5.76    | 4.57    | 5.83       | 22.26    | ppb   |
| Selenium   | 78-2  | 4.86    | 5.05    | 6.22    | 5.38       | 13.71    | ppb   |
| Selenium   | 82-1  | 5.59    | 5.23    | 5.05    | 5.29       | 5.26     | ppb   |
| Silicon    | 28-1  | 16.05   | 14.14   | 13.53   | 14.57      | 8.99     | ppb   |
| Silver     | 109-1 | 1.22    | 1.13    | 1.06    | 1.14       | 7.22     | ppb   |
| Silver     | 107-1 | 1.17    | 1.12    | 1.06    | 1.12       | 5.14     | ppb   |
| Sodium     | 23-2  | 460.85  | 472.62  | 492.84  | 475.44     | 3.40     | ppb   |
| Strontium  | 86-1  | 1.02    | 1.04    | 1.00    | 1.02       | 1.86     | ppb   |
| Strontium  | 88-1  | 1.06    | 1.05    | 1.01    | 1.04       | 2.56     | ppb   |
| Sulfur     | 34-1  | 148.86  | -16.69  | -131.36 | 0.27       | 52771.55 | ppb   |
| Terbium    | 159-1 |         |         |         | 99         |          | %     |
| Terbium    | 159-2 |         |         |         | 106        |          | %     |
| Thallium   | 203-1 | 1.01    | 0.96    | 0.93    | 0.97       | 4.29     | ppb   |
| Thallium   | 205-1 | 1.02    | 1.01    | 0.97    | 1.00       | 2.55     | ppb   |
| Thorium    | 232-1 | 0.99    | 0.97    | 0.93    | 0.96       | 3.02     | ppb   |
| Tin        | 118-1 | 5.35    | 5.12    | 5.08    | 5.18       | 2.77     | ppb   |
| Titanium   | 47-1  | 5.53    | 5.07    | 5.08    | 5.22       | 5.06     | ppb   |
| Uranium    | 238-1 | 1.01    | 0.96    | 0.96    | 0.98       | 3.19     | ppb   |
| Vanadium   | 51-2  | 4.99    | 5.05    | 5.34    | 5.13       | 3.70     | ppb   |
| Yttrium    | 89-1  |         |         |         | 100        |          | %     |
| Yttrium    | 89-2  |         |         |         | 109        |          | %     |
| Zinc       | 66-2  | 2.51    | 2.72    | 2.62    | 2.62       | 4.00     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:03:57 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 1.06    | 1.03    | 1.00    | 1.03       | 2.92    | ppb   |
| Zirconium | 91-1 | 1.10    | 0.96    | 0.99    | 1.02       | 7.42    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:07:51 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 975.09  | 960.73  | 968.55  | 968.12     | 0.74    | ppb   |
| Antimony   | 121-1 | 53.01   | 53.36   | 53.77   | 53.38      | 0.71    | ppb   |
| Arsenic    | 75-2  | 52.27   | 53.03   | 52.67   | 52.65      | 0.73    | ppb   |
| Barium     | 135-1 | 261.10  | 261.90  | 263.82  | 262.27     | 0.53    | ppb   |
| Barium     | 137-1 | 258.95  | 261.87  | 263.78  | 261.53     | 0.93    | ppb   |
| Beryllium  | 9-1   | 54.87   | 54.68   | 54.54   | 54.70      | 0.30    | ppb   |
| Bismuth    | 209-1 |         |         |         | 99         |         | %     |
| Bismuth    | 209-2 |         |         |         | 103        |         | %     |
| Boron      | 10-1  | 49.98   | 50.70   | 51.70   | 50.79      | 1.69    | ppb   |
| Boron      | 11-1  | 49.79   | 49.73   | 52.06   | 50.53      | 2.63    | ppb   |
| Cadmium    | 111-1 | 58.17   | 57.78   | 58.66   | 58.20      | 0.76    | ppb   |
| Cadmium    | 106-1 | 55.44   | 55.88   | 56.46   | 55.93      | 0.91    | ppb   |
| Cadmium    | 108-1 | 55.06   | 55.18   | 57.19   | 55.81      | 2.15    | ppb   |
| Calcium    | 43-1  | 4947.16 | 4983.41 | 4993.85 | 4974.80    | 0.49    | ppb   |
| Calcium    | 44-1  | 4854.19 | 4814.28 | 4858.95 | 4842.47    | 0.51    | ppb   |
| Chromium   | 52-2  | 52.57   | 52.64   | 52.30   | 52.50      | 0.33    | ppb   |
| Cobalt     | 59-2  | 53.11   | 53.65   | 53.47   | 53.41      | 0.52    | ppb   |
| Copper     | 63-2  | 110.71  | 109.63  | 110.62  | 110.32     | 0.54    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 99         |         | %     |
| Holmium    | 165-2 |         |         |         | 105        |         | %     |
| Indium     | 115-1 |         |         |         | 99         |         | %     |
| Indium     | 115-2 |         |         |         | 103        |         | %     |
| Iron       | 56-2  | 2659.49 | 2656.85 | 2673.94 | 2663.42    | 0.35    | ppb   |
| Iron       | 57-2  | 2729.15 | 2707.29 | 2721.13 | 2719.19    | 0.41    | ppb   |
| Lead       | 206-1 | 49.97   | 50.48   | 49.80   | 50.08      | 0.71    | ppb   |
| Lead       | 207-1 | 50.39   | 49.97   | 49.96   | 50.11      | 0.49    | ppb   |
| Lead       | 208-1 | 50.23   | 50.15   | 49.86   | 50.08      | 0.40    | ppb   |
| Lithium    | 6-1   |         |         |         | 99         |         | %     |
| Magnesium  | 24-2  | 4806.98 | 4739.09 | 4789.00 | 4778.35    | 0.74    | ppb   |
| Manganese  | 55-2  | 105.01  | 104.22  | 104.69  | 104.64     | 0.38    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:07:51 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 253.08  | 254.49  | 254.52  | 254.03     | 0.32    | ppb   |
| Molybdenum | 95-1  | 251.73  | 253.82  | 256.37  | 253.97     | 0.92    | ppb   |
| Molybdenum | 96-1  | 252.92  | 254.48  | 255.92  | 254.44     | 0.59    | ppb   |
| Molybdenum | 97-1  | 255.15  | 253.61  | 255.40  | 254.72     | 0.38    | ppb   |
| Molybdenum | 98-1  | 254.35  | 253.11  | 255.97  | 254.48     | 0.56    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 55.60   | 55.42   | 55.01   | 55.34      | 0.55    | ppb   |
| Phosphorus | 31-2  | 1024.45 | 1027.26 | 1159.23 | 1070.32    | 7.20    | ppb   |
| Potassium  | 39-2  | 2446.65 | 2436.23 | 2448.95 | 2443.95    | 0.28    | ppb   |
| Rhodium    | 103-1 |         |         |         | 98         |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 97         |         | %     |
| Scandium   | 45-2  |         |         |         | 104        |         | %     |
| Selenium   | 77-2  | 53.73   | 55.65   | 48.04   | 52.48      | 7.54    | ppb   |
| Selenium   | 78-2  | 52.90   | 54.76   | 53.32   | 53.66      | 1.81    | ppb   |
| Selenium   | 82-1  | 54.64   | 54.59   | 54.20   | 54.48      | 0.44    | ppb   |
| Silicon    | 28-1  | 55.40   | 56.00   | 57.26   | 56.22      | 1.69    | ppb   |
| Silver     | 109-1 | 56.47   | 56.64   | 57.24   | 56.78      | 0.71    | ppb   |
| Silver     | 107-1 | 56.13   | 56.65   | 56.74   | 56.51      | 0.59    | ppb   |
| Sodium     | 23-2  | 4741.54 | 4675.59 | 4715.91 | 4711.01    | 0.71    | ppb   |
| Strontium  | 86-1  | 52.05   | 51.87   | 51.97   | 51.96      | 0.18    | ppb   |
| Strontium  | 88-1  | 50.79   | 51.44   | 50.90   | 51.04      | 0.69    | ppb   |
| Sulfur     | 34-1  | 1075.86 | 1042.41 | 1084.43 | 1067.57    | 2.08    | ppb   |
| Terbium    | 159-1 |         |         |         | 99         |         | %     |
| Terbium    | 159-2 |         |         |         | 104        |         | %     |
| Thallium   | 203-1 | 49.49   | 49.33   | 48.85   | 49.22      | 0.68    | ppb   |
| Thallium   | 205-1 | 49.49   | 49.76   | 49.42   | 49.56      | 0.36    | ppb   |
| Thorium    | 232-1 | 46.77   | 47.17   | 47.02   | 46.99      | 0.43    | ppb   |
| Tin        | 118-1 | 52.97   | 52.27   | 52.69   | 52.64      | 0.67    | ppb   |
| Titanium   | 47-1  | 252.47  | 254.38  | 253.77  | 253.54     | 0.38    | ppb   |
| Uranium    | 238-1 | 47.53   | 47.63   | 47.41   | 47.52      | 0.23    | ppb   |
| Vanadium   | 51-2  | 51.74   | 51.07   | 51.31   | 51.37      | 0.67    | ppb   |
| Yttrium    | 89-1  |         |         |         | 98         |         | %     |
| Yttrium    | 89-2  |         |         |         | 107        |         | %     |
| Zinc       | 66-2  | 114.79  | 112.21  | 111.90  | 112.97     | 1.40    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:07:51 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 50.42   | 50.48   | 50.87   | 50.59      | 0.49    | ppb   |
| Zirconium | 91-1 | 50.68   | 51.00   | 51.09   | 50.92      | 0.42    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:12:03 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2419.57  | 2720.90  | 2059.91  | 2400.13    | 13.79   | ppb   |
| Antimony   | 121-1 | 128.24   | 129.83   | 129.61   | 129.23     | 0.67    | ppb   |
| Arsenic    | 75-2  | 131.88   | 147.55   | 115.31   | 131.58     | 12.25   | ppb   |
| Barium     | 135-1 | 639.98   | 638.16   | 638.91   | 639.01     | 0.14    | ppb   |
| Barium     | 137-1 | 637.64   | 634.99   | 629.36   | 634.00     | 0.67    | ppb   |
| Beryllium  | 9-1   | 132.27   | 134.10   | 133.91   | 133.43     | 0.76    | ppb   |
| Bismuth    | 209-1 |          |          |          | 98         |         | %     |
| Bismuth    | 209-2 |          |          |          | 100        |         | %     |
| Boron      | 10-1  | 121.18   | 126.27   | 129.82   | 125.76     | 3.45    | ppb   |
| Boron      | 11-1  | 121.49   | 126.08   | 127.68   | 125.08     | 2.57    | ppb   |
| Cadmium    | 111-1 | 140.16   | 140.55   | 139.52   | 140.08     | 0.37    | ppb   |
| Cadmium    | 106-1 | 134.01   | 138.28   | 138.41   | 136.90     | 1.83    | ppb   |
| Cadmium    | 108-1 | 139.22   | 135.78   | 132.91   | 135.97     | 2.32    | ppb   |
| Calcium    | 43-1  | 12226.07 | 12360.56 | 12372.11 | 12319.58   | 0.66    | ppb   |
| Calcium    | 44-1  | 11924.32 | 12013.09 | 12045.76 | 11994.39   | 0.52    | ppb   |
| Chromium   | 52-2  | 132.31   | 147.23   | 114.30   | 131.28     | 12.56   | ppb   |
| Cobalt     | 59-2  | 135.41   | 149.62   | 115.45   | 133.49     | 12.86   | ppb   |
| Copper     | 63-2  | 276.18   | 305.93   | 236.47   | 272.86     | 12.77   | 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 |          |          |          | 99         |         | %     |
| Holmium    | 165-2 |          |          |          | 103        |         | %     |
| Indium     | 115-1 |          |          |          | 96         |         | %     |
| Indium     | 115-2 |          |          |          | 99         |         | %     |
| Iron       | 56-2  | 6775.71  | 7541.65  | 5790.31  | 6702.56    | 13.10   | ppb   |
| Iron       | 57-2  | 6889.75  | 7660.31  | 5938.78  | 6829.61    | 12.63   | ppb   |
| Lead       | 206-1 | 122.79   | 124.20   | 123.64   | 123.54     | 0.58    | ppb   |
| Lead       | 207-1 | 123.26   | 123.50   | 123.70   | 123.49     | 0.18    | ppb   |
| Lead       | 208-1 | 121.60   | 122.83   | 123.19   | 122.54     | 0.68    | ppb   |
| Lithium    | 6-1   |          |          |          | 96         |         | %     |
| Magnesium  | 24-2  | 12225.10 | 13443.29 | 10352.30 | 12006.89   | 12.97   | ppb   |
| Manganese  | 55-2  | 264.11   | 292.23   | 227.72   | 261.35     | 12.37   | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:12:03 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 620.48   | 621.38   | 624.05   | 621.97     | 0.30    | ppb   |
| Molybdenum | 95-1  | 618.77   | 625.17   | 622.93   | 622.29     | 0.52    | ppb   |
| Molybdenum | 96-1  | 616.14   | 620.97   | 620.66   | 619.25     | 0.44    | ppb   |
| Molybdenum | 97-1  | 607.13   | 618.76   | 619.05   | 614.98     | 1.11    | ppb   |
| Molybdenum | 98-1  | 619.22   | 624.76   | 625.92   | 623.30     | 0.57    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 140.02   | 154.39   | 119.25   | 137.89     | 12.81   | ppb   |
| Phosphorus | 31-2  | 2573.00  | 2912.54  | 2272.53  | 2586.03    | 12.38   | ppb   |
| Potassium  | 39-2  | 6167.63  | 6796.04  | 5302.42  | 6088.70    | 12.32   | ppb   |
| Rhodium    | 103-1 |          |          |          | 94         |         | %     |
| Rhodium    | 103-2 |          |          |          | 97         |         | %     |
| Scandium   | 45-1  |          |          |          | 94         |         | %     |
| Scandium   | 45-2  |          |          |          | 99         |         | %     |
| Selenium   | 77-2  | 141.02   | 146.26   | 116.01   | 134.43     | 12.03   | ppb   |
| Selenium   | 78-2  | 138.95   | 152.98   | 116.93   | 136.29     | 13.34   | ppb   |
| Selenium   | 82-1  | 133.10   | 134.00   | 136.31   | 134.47     | 1.23    | ppb   |
| Silicon    | 28-1  | 134.88   | 137.10   | 138.36   | 136.78     | 1.29    | ppb   |
| Silver     | 109-1 | 135.40   | 134.25   | 133.14   | 134.26     | 0.84    | ppb   |
| Silver     | 107-1 | 134.49   | 134.00   | 132.63   | 133.71     | 0.72    | ppb   |
| Sodium     | 23-2  | 12063.74 | 13260.07 | 10293.58 | 11872.46   | 12.57   | ppb   |
| Strontium  | 86-1  | 126.92   | 128.24   | 127.97   | 127.71     | 0.54    | ppb   |
| Strontium  | 88-1  | 124.40   | 125.64   | 125.03   | 125.02     | 0.50    | ppb   |
| Sulfur     | 34-1  | 2422.18  | 2448.99  | 2388.19  | 2419.79    | 1.26    | ppb   |
| Terbium    | 159-1 |          |          |          | 99         |         | %     |
| Terbium    | 159-2 |          |          |          | 103        |         | %     |
| Thallium   | 203-1 | 120.01   | 121.26   | 122.41   | 121.22     | 0.99    | ppb   |
| Thallium   | 205-1 | 120.04   | 122.24   | 122.08   | 121.45     | 1.01    | ppb   |
| Thorium    | 232-1 | 116.84   | 117.46   | 117.98   | 117.43     | 0.49    | ppb   |
| Tin        | 118-1 | 127.13   | 127.48   | 127.86   | 127.49     | 0.29    | ppb   |
| Titanium   | 47-1  | 624.39   | 620.70   | 622.37   | 622.49     | 0.30    | ppb   |
| Uranium    | 238-1 | 116.98   | 118.33   | 118.71   | 118.01     | 0.77    | ppb   |
| Vanadium   | 51-2  | 130.64   | 144.37   | 111.91   | 128.97     | 12.64   | ppb   |
| Yttrium    | 89-1  |          |          |          | 96         |         | %     |
| Yttrium    | 89-2  |          |          |          | 101        |         | %     |
| Zinc       | 66-2  | 286.24   | 311.88   | 244.47   | 280.86     | 12.12   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:12:03 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 122.47  | 123.24  | 125.10  | 123.60     | 1.09    | ppb   |
| Zirconium | 91-1 | 124.06  | 126.03  | 126.61  | 125.56     | 1.07    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:15:51 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4748.66  | 4762.01  | 4816.41  | 4775.69    | 0.75    | ppb   |
| Antimony   | 121-1 | 246.71   | 251.53   | 243.57   | 247.27     | 1.62    | ppb   |
| Arsenic    | 75-2  | 258.34   | 256.47   | 259.13   | 257.98     | 0.53    | ppb   |
| Barium     | 135-1 | 1252.70  | 1258.41  | 1225.34  | 1245.48    | 1.42    | ppb   |
| Barium     | 137-1 | 1261.45  | 1254.57  | 1217.80  | 1244.61    | 1.89    | ppb   |
| Beryllium  | 9-1   | 260.38   | 263.80   | 254.01   | 259.40     | 1.91    | ppb   |
| Bismuth    | 209-1 |          |          |          | 97         |         | %     |
| Bismuth    | 209-2 |          |          |          | 98         |         | %     |
| Boron      | 10-1  | 243.44   | 250.10   | 247.94   | 247.16     | 1.38    | ppb   |
| Boron      | 11-1  | 244.75   | 252.42   | 251.02   | 249.39     | 1.64    | ppb   |
| Cadmium    | 111-1 | 266.39   | 268.74   | 262.51   | 265.88     | 1.18    | ppb   |
| Cadmium    | 106-1 | 256.24   | 260.67   | 251.49   | 256.13     | 1.79    | ppb   |
| Cadmium    | 108-1 | 262.03   | 262.06   | 253.54   | 259.21     | 1.89    | ppb   |
| Calcium    | 43-1  | 24489.28 | 24580.65 | 23968.53 | 24346.15   | 1.36    | ppb   |
| Calcium    | 44-1  | 24128.79 | 24288.70 | 23600.84 | 24006.11   | 1.50    | ppb   |
| Chromium   | 52-2  | 260.55   | 259.48   | 261.93   | 260.65     | 0.47    | ppb   |
| Cobalt     | 59-2  | 262.03   | 262.46   | 263.89   | 262.79     | 0.37    | ppb   |
| Copper     | 63-2  | 535.54   | 531.88   | 536.01   | 534.47     | 0.42    | 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 |          |          |          | 98         |         | %     |
| Holmium    | 165-2 |          |          |          | 101        |         | %     |
| Indium     | 115-1 |          |          |          | 93         |         | %     |
| Indium     | 115-2 |          |          |          | 96         |         | %     |
| Iron       | 56-2  | 13440.14 | 13399.97 | 13341.16 | 13393.76   | 0.37    | ppb   |
| Iron       | 57-2  | 13617.84 | 13603.10 | 13709.42 | 13643.46   | 0.42    | ppb   |
| Lead       | 206-1 | 241.33   | 241.16   | 236.92   | 239.80     | 1.04    | ppb   |
| Lead       | 207-1 | 242.76   | 244.27   | 240.37   | 242.47     | 0.81    | ppb   |
| Lead       | 208-1 | 245.41   | 244.52   | 240.26   | 243.40     | 1.13    | ppb   |
| Lithium    | 6-1   |          |          |          | 93         |         | %     |
| Magnesium  | 24-2  | 24049.64 | 24081.90 | 24096.67 | 24076.07   | 0.10    | ppb   |
| Manganese  | 55-2  | 519.23   | 520.87   | 522.98   | 521.03     | 0.36    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:15:51 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 1257.46  | 1254.80  | 1232.88  | 1248.38    | 1.08    | ppb   |
| Molybdenum | 95-1  | 1261.28  | 1259.67  | 1228.73  | 1249.89    | 1.47    | ppb   |
| Molybdenum | 96-1  | 1257.39  | 1252.46  | 1227.31  | 1245.72    | 1.30    | ppb   |
| Molybdenum | 97-1  | 1253.49  | 1251.17  | 1229.89  | 1244.85    | 1.04    | ppb   |
| Molybdenum | 98-1  | 1255.05  | 1252.52  | 1227.20  | 1244.92    | 1.24    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 270.60   | 271.73   | 270.70   | 271.01     | 0.23    | ppb   |
| Phosphorus | 31-2  | 5285.18  | 5167.79  | 5160.27  | 5204.41    | 1.35    | ppb   |
| Potassium  | 39-2  | 12054.60 | 12009.21 | 12103.72 | 12055.84   | 0.39    | ppb   |
| Rhodium    | 103-1 |          |          |          | 90         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 90         |         | %     |
| Scandium   | 45-2  |          |          |          | 95         |         | %     |
| Selenium   | 77-2  | 271.47   | 260.52   | 259.00   | 263.67     | 2.58    | ppb   |
| Selenium   | 78-2  | 262.27   | 264.96   | 262.64   | 263.29     | 0.55    | ppb   |
| Selenium   | 82-1  | 265.09   | 262.94   | 257.10   | 261.71     | 1.58    | ppb   |
| Silicon    | 28-1  | 266.89   | 265.58   | 262.06   | 264.84     | 0.94    | ppb   |
| Silver     | 109-1 | 262.06   | 258.66   | 253.10   | 257.94     | 1.75    | ppb   |
| Silver     | 107-1 | 258.88   | 259.42   | 253.00   | 257.10     | 1.39    | ppb   |
| Sodium     | 23-2  | 23902.91 | 23904.12 | 23862.90 | 23889.98   | 0.10    | ppb   |
| Strontium  | 86-1  | 254.55   | 256.02   | 252.48   | 254.35     | 0.70    | ppb   |
| Strontium  | 88-1  | 251.57   | 249.75   | 245.83   | 249.05     | 1.18    | ppb   |
| Sulfur     | 34-1  | 4858.74  | 4728.76  | 4524.09  | 4703.87    | 3.59    | ppb   |
| Terbium    | 159-1 |          |          |          | 98         |         | %     |
| Terbium    | 159-2 |          |          |          | 101        |         | %     |
| Thallium   | 203-1 | 245.09   | 244.80   | 238.88   | 242.92     | 1.44    | ppb   |
| Thallium   | 205-1 | 247.21   | 244.12   | 239.84   | 243.72     | 1.52    | ppb   |
| Thorium    | 232-1 | 241.58   | 238.44   | 234.09   | 238.04     | 1.58    | ppb   |
| Tin        | 118-1 | 244.66   | 247.92   | 240.91   | 244.50     | 1.43    | ppb   |
| Titanium   | 47-1  | 1241.81  | 1234.51  | 1210.88  | 1229.07    | 1.32    | ppb   |
| Uranium    | 238-1 | 242.24   | 239.54   | 233.92   | 238.57     | 1.78    | ppb   |
| Vanadium   | 51-2  | 258.63   | 256.20   | 259.39   | 258.07     | 0.65    | ppb   |
| Yttrium    | 89-1  |          |          |          | 93         |         | %     |
| Yttrium    | 89-2  |          |          |          | 99         |         | %     |
| Zinc       | 66-2  | 555.68   | 552.30   | 554.95   | 554.31     | 0.32    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:15:51 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 250.64  | 250.32  | 242.72  | 247.89     | 1.81    | ppb   |
| Zirconium | 91-1 | 248.74  | 250.02  | 244.12  | 247.62     | 1.25    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:19:37 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9555.73  | 9469.60  | 9190.81  | 9405.38    | 2.03    | ppb   |
| Antimony   | 121-1 | 514.14   | 521.64   | 507.50   | 514.42     | 1.38    | ppb   |
| Arsenic    | 75-2  | 510.40   | 513.38   | 497.67   | 507.15     | 1.64    | ppb   |
| Barium     | 135-1 | 2552.52  | 2579.45  | 2521.62  | 2551.19    | 1.13    | ppb   |
| Barium     | 137-1 | 2538.05  | 2585.86  | 2517.63  | 2547.18    | 1.37    | ppb   |
| Beryllium  | 9-1   | 513.62   | 521.95   | 511.30   | 515.62     | 1.09    | ppb   |
| Bismuth    | 209-1 |          |          |          | 93         |         | %     |
| Bismuth    | 209-2 |          |          |          | 97         |         | %     |
| Boron      | 10-1  | 492.91   | 516.90   | 510.04   | 506.62     | 2.44    | ppb   |
| Boron      | 11-1  | 496.32   | 519.50   | 510.66   | 508.82     | 2.30    | ppb   |
| Cadmium    | 111-1 | 525.81   | 535.16   | 522.50   | 527.82     | 1.24    | ppb   |
| Cadmium    | 106-1 | 508.24   | 528.19   | 507.58   | 514.67     | 2.28    | ppb   |
| Cadmium    | 108-1 | 514.93   | 530.52   | 516.44   | 520.63     | 1.65    | ppb   |
| Calcium    | 43-1  | 48658.25 | 49420.27 | 48556.11 | 48878.21   | 0.97    | ppb   |
| Calcium    | 44-1  | 48865.35 | 49441.33 | 48439.78 | 48915.49   | 1.03    | ppb   |
| Chromium   | 52-2  | 516.68   | 514.51   | 497.20   | 509.46     | 2.10    | ppb   |
| Cobalt     | 59-2  | 507.45   | 511.75   | 491.42   | 503.54     | 2.13    | ppb   |
| Copper     | 63-2  | 1037.13  | 1039.68  | 992.04   | 1022.95    | 2.62    | 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 |          |          |          | 97         |         | %     |
| Holmium    | 165-2 |          |          |          | 103        |         | %     |
| Indium     | 115-1 |          |          |          | 91         |         | %     |
| Indium     | 115-2 |          |          |          | 95         |         | %     |
| Iron       | 56-2  | 26694.83 | 26453.11 | 25428.65 | 26192.20   | 2.57    | ppb   |
| Iron       | 57-2  | 26651.83 | 27099.82 | 25795.56 | 26515.74   | 2.50    | ppb   |
| Lead       | 206-1 | 506.69   | 512.42   | 497.40   | 505.50     | 1.50    | ppb   |
| Lead       | 207-1 | 507.13   | 509.59   | 497.40   | 504.71     | 1.28    | ppb   |
| Lead       | 208-1 | 508.12   | 511.82   | 496.50   | 505.48     | 1.58    | ppb   |
| Lithium    | 6-1   |          |          |          | 92         |         | %     |
| Magnesium  | 24-2  | 48763.50 | 48011.77 | 46400.78 | 47725.35   | 2.53    | ppb   |
| Manganese  | 55-2  | 1025.46  | 1027.36  | 985.71   | 1012.84    | 2.32    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:19:37 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 2554.40  | 2559.86  | 2501.68  | 2538.65    | 1.27    | ppb   |
| Molybdenum | 95-1  | 2541.39  | 2575.03  | 2509.20  | 2541.87    | 1.30    | ppb   |
| Molybdenum | 96-1  | 2541.77  | 2571.10  | 2512.35  | 2541.74    | 1.16    | ppb   |
| Molybdenum | 97-1  | 2547.24  | 2582.72  | 2500.58  | 2543.51    | 1.62    | ppb   |
| Molybdenum | 98-1  | 2537.79  | 2573.67  | 2497.96  | 2536.47    | 1.49    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 529.35   | 533.60   | 507.70   | 523.55     | 2.65    | ppb   |
| Phosphorus | 31-2  | 10441.01 | 10319.39 | 9840.60  | 10200.33   | 3.11    | ppb   |
| Potassium  | 39-2  | 24545.02 | 24389.66 | 23323.59 | 24086.09   | 2.76    | ppb   |
| Rhodium    | 103-1 |          |          |          | 87         |         | %     |
| Rhodium    | 103-2 |          |          |          | 93         |         | %     |
| Scandium   | 45-1  |          |          |          | 89         |         | %     |
| Scandium   | 45-2  |          |          |          | 97         |         | %     |
| Selenium   | 77-2  | 514.40   | 506.53   | 521.83   | 514.25     | 1.49    | ppb   |
| Selenium   | 78-2  | 526.33   | 517.48   | 509.15   | 517.65     | 1.66    | ppb   |
| Selenium   | 82-1  | 517.59   | 526.32   | 513.99   | 519.30     | 1.22    | ppb   |
| Silicon    | 28-1  | 538.94   | 553.12   | 538.82   | 543.62     | 1.51    | ppb   |
| Silver     | 109-1 | 516.57   | 526.26   | 515.16   | 519.33     | 1.16    | ppb   |
| Silver     | 107-1 | 519.76   | 527.34   | 507.77   | 518.29     | 1.90    | ppb   |
| Sodium     | 23-2  | 48300.63 | 48185.12 | 46116.32 | 47534.02   | 2.59    | ppb   |
| Strontium  | 86-1  | 502.15   | 515.84   | 501.38   | 506.46     | 1.61    | ppb   |
| Strontium  | 88-1  | 507.64   | 515.26   | 503.64   | 508.85     | 1.16    | ppb   |
| Sulfur     | 34-1  | 10102.90 | 10300.58 | 9933.35  | 10112.28   | 1.82    | ppb   |
| Terbium    | 159-1 |          |          |          | 96         |         | %     |
| Terbium    | 159-2 |          |          |          | 102        |         | %     |
| Thallium   | 203-1 | 503.45   | 507.57   | 496.37   | 502.46     | 1.13    | ppb   |
| Thallium   | 205-1 | 502.48   | 512.13   | 499.08   | 504.57     | 1.34    | ppb   |
| Thorium    | 232-1 | 500.02   | 502.80   | 491.37   | 498.06     | 1.20    | ppb   |
| Tin        | 118-1 | 512.39   | 521.20   | 504.59   | 512.73     | 1.62    | ppb   |
| Titanium   | 47-1  | 2549.81  | 2553.10  | 2499.55  | 2534.15    | 1.18    | ppb   |
| Uranium    | 238-1 | 499.74   | 504.27   | 487.49   | 497.17     | 1.75    | ppb   |
| Vanadium   | 51-2  | 510.98   | 515.82   | 492.11   | 506.30     | 2.47    | ppb   |
| Yttrium    | 89-1  |          |          |          | 91         |         | %     |
| Yttrium    | 89-2  |          |          |          | 101        |         | %     |
| Zinc       | 66-2  | 1065.33  | 1068.77  | 1022.06  | 1052.05    | 2.47    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:19:37 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 510.59  | 515.41  | 499.96  | 508.65     | 1.55    | ppb   |
| Zirconium | 91-1 | 498.48  | 501.43  | 489.73  | 496.55     | 1.23    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:23:23 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 18452.77 | 18406.39 | 18408.36 | 18422.51   | 0.14    | ppb   |
| Antimony   | 121-1 | 993.08   | 997.25   | 987.98   | 992.77     | 0.47    | ppb   |
| Arsenic    | 75-2  | 993.06   | 991.56   | 995.80   | 993.48     | 0.22    | ppb   |
| Barium     | 135-1 | 4990.23  | 4995.09  | 4934.18  | 4973.17    | 0.68    | ppb   |
| Barium     | 137-1 | 4982.76  | 4997.41  | 4948.00  | 4976.06    | 0.51    | ppb   |
| Beryllium  | 9-1   | 983.52   | 990.78   | 991.35   | 988.55     | 0.44    | ppb   |
| Bismuth    | 209-1 |          |          |          | 93         |         | %     |
| Bismuth    | 209-2 |          |          |          | 94         |         | %     |
| Boron      | 10-1  | 969.90   | 1005.71  | 1016.21  | 997.28     | 2.43    | ppb   |
| Boron      | 11-1  | 972.18   | 1003.06  | 1011.94  | 995.73     | 2.10    | ppb   |
| Cadmium    | 111-1 | 974.12   | 988.55   | 976.81   | 979.82     | 0.78    | ppb   |
| Cadmium    | 106-1 | 975.12   | 995.36   | 997.56   | 989.35     | 1.25    | ppb   |
| Cadmium    | 108-1 | 985.33   | 986.97   | 984.86   | 985.72     | 0.11    | ppb   |
| Calcium    | 43-1  | 95669.01 | 95152.02 | 96508.90 | 95776.64   | 0.72    | ppb   |
| Calcium    | 44-1  | 95415.17 | 95773.46 | 96203.00 | 95797.21   | 0.41    | ppb   |
| Chromium   | 52-2  | 995.62   | 990.64   | 988.82   | 991.69     | 0.36    | ppb   |
| Cobalt     | 59-2  | 1001.31  | 989.93   | 990.15   | 993.80     | 0.65    | ppb   |
| Copper     | 63-2  | 1989.81  | 1975.00  | 1964.78  | 1976.53    | 0.64    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 99         |         | %     |
| Holmium    | 165-2 |          |          |          | 102        |         | %     |
| Indium     | 115-1 |          |          |          | 91         |         | %     |
| Indium     | 115-2 |          |          |          | 94         |         | %     |
| Iron       | 56-2  | 51734.91 | 51120.33 | 50944.93 | 51266.72   | 0.81    | ppb   |
| Iron       | 57-2  | 51552.21 | 51667.89 | 51306.00 | 51508.70   | 0.36    | ppb   |
| Lead       | 206-1 | 992.25   | 997.74   | 1009.94  | 999.98     | 0.91    | ppb   |
| Lead       | 207-1 | 989.42   | 1000.30  | 1009.43  | 999.71     | 1.00    | ppb   |
| Lead       | 208-1 | 990.20   | 1000.89  | 1006.55  | 999.21     | 0.83    | ppb   |
| Lithium    | 6-1   |          |          |          | 94         |         | %     |
| Magnesium  | 24-2  | 94419.54 | 93957.70 | 93917.05 | 94098.10   | 0.30    | ppb   |
| Manganese  | 55-2  | 1999.14  | 1985.47  | 1975.41  | 1986.67    | 0.60    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:23:23 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 4979.68  | 4985.67  | 4978.43  | 4981.26    | 0.08    | ppb   |
| Molybdenum | 95-1  | 4978.40  | 4977.83  | 4981.46  | 4979.23    | 0.04    | ppb   |
| Molybdenum | 96-1  | 4981.02  | 4970.61  | 4990.46  | 4980.70    | 0.20    | ppb   |
| Molybdenum | 97-1  | 4982.37  | 4962.61  | 4996.67  | 4980.55    | 0.34    | ppb   |
| Molybdenum | 98-1  | 4969.36  | 4978.62  | 5001.08  | 4983.02    | 0.33    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 983.88   | 980.71   | 978.70   | 981.09     | 0.27    | ppb   |
| Phosphorus | 31-2  | 20355.84 | 19475.86 | 19671.68 | 19834.46   | 2.33    | ppb   |
| Potassium  | 39-2  | 48060.68 | 47848.06 | 47398.73 | 47769.16   | 0.71    | ppb   |
| Rhodium    | 103-1 |          |          |          | 87         |         | %     |
| Rhodium    | 103-2 |          |          |          | 92         |         | %     |
| Scandium   | 45-1  |          |          |          | 91         |         | %     |
| Scandium   | 45-2  |          |          |          | 100        |         | %     |
| Selenium   | 77-2  | 964.08   | 1006.02  | 994.35   | 988.15     | 2.19    | ppb   |
| Selenium   | 78-2  | 992.54   | 985.93   | 980.29   | 986.25     | 0.62    | ppb   |
| Selenium   | 82-1  | 978.19   | 985.13   | 994.72   | 986.01     | 0.84    | ppb   |
| Silicon    | 28-1  | 966.57   | 977.23   | 974.15   | 972.65     | 0.56    | ppb   |
| Silver     | 109-1 | 985.53   | 993.64   | 981.39   | 986.85     | 0.63    | ppb   |
| Silver     | 107-1 | 983.56   | 991.76   | 987.68   | 987.67     | 0.41    | ppb   |
| Sodium     | 23-2  | 94983.48 | 94518.06 | 94537.18 | 94679.57   | 0.28    | ppb   |
| Strontium  | 86-1  | 994.42   | 992.05   | 999.26   | 995.25     | 0.37    | ppb   |
| Strontium  | 88-1  | 994.24   | 993.16   | 999.87   | 995.76     | 0.36    | ppb   |
| Sulfur     | 34-1  | 19955.72 | 19958.11 | 20159.80 | 20024.54   | 0.58    | ppb   |
| Terbium    | 159-1 |          |          |          | 98         |         | %     |
| Terbium    | 159-2 |          |          |          | 101        |         | %     |
| Thallium   | 203-1 | 989.66   | 1006.95  | 1006.54  | 1001.05    | 0.99    | ppb   |
| Thallium   | 205-1 | 988.69   | 1003.82  | 1006.75  | 999.75     | 0.97    | ppb   |
| Thorium    | 232-1 | 1005.94  | 1007.23  | 1002.00  | 1005.06    | 0.27    | ppb   |
| Tin        | 118-1 | 998.26   | 994.31   | 991.14   | 994.57     | 0.36    | ppb   |
| Titanium   | 47-1  | 4985.62  | 5000.71  | 4978.55  | 4988.29    | 0.23    | ppb   |
| Uranium    | 238-1 | 1003.71  | 1005.16  | 1006.95  | 1005.27    | 0.16    | ppb   |
| Vanadium   | 51-2  | 998.58   | 990.74   | 993.47   | 994.26     | 0.40    | ppb   |
| Yttrium    | 89-1  |          |          |          | 93         |         | %     |
| Yttrium    | 89-2  |          |          |          | 101        |         | %     |
| Zinc       | 66-2  | 1951.36  | 1953.98  | 1962.32  | 1955.89    | 0.29    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:23:23 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 996.07  | 997.07  | 995.90  | 996.35     | 0.06    | ppb   |
| Zirconium | 91-1 | 1002.20 | 1003.42 | 1001.00 | 1002.20    | 0.12    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:27:08 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 100047.30 | 100226.43 | 100893.24 | 100388.99  | 0.44    | ppb   |
| Antimony   | 121-1 | 1.47      | 1.34      | 1.46      | 1.42       | 4.80    | ppb   |
| Arsenic    | 75-2  | 1.80      | 1.47      | 1.63      | 1.63       | 9.95    | ppb   |
| Barium     | 135-1 | 1.36      | 1.26      | 1.18      | 1.27       | 7.31    | ppb   |
| Barium     | 137-1 | 1.29      | 1.22      | 1.24      | 1.25       | 2.91    | ppb   |
| Beryllium  | 9-1   | 0.20      | 0.18      | 0.16      | 0.18       | 12.11   | ppb   |
| Bismuth    | 209-1 |           |           |           | 78         |         | %     |
| Bismuth    | 209-2 |           |           |           | 82         |         | %     |
| Boron      | 10-1  | 69.30     | 63.33     | 57.71     | 63.45      | 9.14    | ppb   |
| Boron      | 11-1  | 69.11     | 63.43     | 57.08     | 63.21      | 9.52    | ppb   |
| Cadmium    | 111-1 | 0.29      | 0.23      | 0.26      | 0.26       | 12.24   | ppb   |
| Cadmium    | 106-1 | 0.89      | -0.14     | 2.83      | 1.20       | 125.98  | ppb   |
| Cadmium    | 108-1 | 0.47      | 0.27      | 0.35      | 0.36       | 26.97   | ppb   |
| Calcium    | 43-1  | 500309.96 | 504790.59 | 497882.46 | 500994.33  | 0.70    | ppb   |
| Calcium    | 44-1  | 500398.11 | 501312.32 | 501328.37 | 501012.93  | 0.11    | ppb   |
| Chromium   | 52-2  | 44.82     | 44.42     | 45.04     | 44.76      | 0.69    | ppb   |
| Cobalt     | 59-2  | 12.22     | 12.27     | 12.37     | 12.29      | 0.62    | ppb   |
| Copper     | 63-2  | 3.80      | 3.85      | 3.77      | 3.81       | 1.07    | 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 |           |           |           | 93         |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 85         |         | %     |
| Indium     | 115-2 |           |           |           | 93         |         | %     |
| Iron       | 56-2  | 250573.27 | 249329.36 | 248806.76 | 249569.80  | 0.36    | ppb   |
| Iron       | 57-2  | 249141.97 | 248888.64 | 250387.87 | 249472.83  | 0.32    | ppb   |
| Lead       | 206-1 | 6.30      | 6.23      | 6.26      | 6.26       | 0.55    | ppb   |
| Lead       | 207-1 | 5.95      | 5.91      | 5.79      | 5.88       | 1.35    | ppb   |
| Lead       | 208-1 | 6.03      | 6.07      | 6.03      | 6.04       | 0.43    | ppb   |
| Lithium    | 6-1   |           |           |           | 92         |         | %     |
| Magnesium  | 24-2  | 500815.55 | 500606.01 | 502984.26 | 501468.61  | 0.26    | ppb   |
| Manganese  | 55-2  | 10.61     | 10.08     | 10.66     | 10.45      | 3.05    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:27:08 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 7.01      | 6.74      | 6.67      | 6.81       | 2.61    | ppb   |
| Molybdenum | 95-1  | 9.66      | 9.55      | 9.49      | 9.57       | 0.90    | ppb   |
| Molybdenum | 96-1  | 11.12     | 10.86     | 10.82     | 10.93      | 1.51    | ppb   |
| Molybdenum | 97-1  | 9.59      | 9.32      | 9.49      | 9.46       | 1.44    | ppb   |
| Molybdenum | 98-1  | 9.34      | 9.26      | 9.28      | 9.30       | 0.44    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 34.78     | 34.63     | 34.59     | 34.67      | 0.29    | ppb   |
| Phosphorus | 31-2  | -1.95     | 12.94     | 20.88     | 10.62      | 109.12  | ppb   |
| Potassium  | 39-2  | 248879.56 | 251417.01 | 251396.58 | 250564.38  | 0.58    | ppb   |
| Rhodium    | 103-1 |           |           |           | 78         |         | %     |
| Rhodium    | 103-2 |           |           |           | 84         |         | %     |
| Scandium   | 45-1  |           |           |           | 91         |         | %     |
| Scandium   | 45-2  |           |           |           | 104        |         | %     |
| Selenium   | 77-2  | 0.27      | 0.67      | 1.46      | 0.80       | 76.07   | ppb   |
| Selenium   | 78-2  | 0.49      | 0.15      | 0.46      | 0.36       | 51.65   | ppb   |
| Selenium   | 82-1  | 0.98      | 0.96      | 1.15      | 1.03       | 10.46   | ppb   |
| Silicon    | 28-1  | 51.21     | 53.12     | 52.87     | 52.40      | 1.98    | ppb   |
| Silver     | 109-1 | 0.12      | 0.12      | 0.09      | 0.11       | 13.09   | ppb   |
| Silver     | 107-1 | 0.12      | 0.12      | 0.12      | 0.12       | 1.86    | ppb   |
| Sodium     | 23-2  | 502232.79 | 499894.32 | 502027.25 | 501384.79  | 0.26    | ppb   |
| Strontium  | 86-1  | 4.91      | 4.94      | 4.79      | 4.88       | 1.61    | ppb   |
| Strontium  | 88-1  | 4.74      | 4.73      | 4.71      | 4.73       | 0.30    | ppb   |
| Sulfur     | 34-1  | -446.43   | -363.90   | -356.05   | -388.80    |         | ppb   |
| Terbium    | 159-1 |           |           |           | 93         |         | %     |
| Terbium    | 159-2 |           |           |           | 98         |         | %     |
| Thallium   | 203-1 | 0.69      | 0.69      | 0.59      | 0.65       | 8.51    | ppb   |
| Thallium   | 205-1 | 0.69      | 0.64      | 0.65      | 0.66       | 3.93    | ppb   |
| Thorium    | 232-1 | 0.19      | 0.17      | 0.14      | 0.16       | 17.02   | ppb   |
| Tin        | 118-1 | 2.05      | 1.94      | 2.05      | 2.01       | 3.00    | ppb   |
| Titanium   | 47-1  | 3.06      | 2.90      | 2.88      | 2.95       | 3.37    | ppb   |
| Uranium    | 238-1 | 0.16      | 0.14      | 0.14      | 0.15       | 9.18    | ppb   |
| Vanadium   | 51-2  | 0.51      | 0.50      | 0.48      | 0.50       | 3.15    | ppb   |
| Yttrium    | 89-1  |           |           |           | 90         |         | %     |
| Yttrium    | 89-2  |           |           |           | 102        |         | %     |
| Zinc       | 66-2  | 12.93     | 12.02     | 12.53     | 12.49      | 3.69    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:27:08 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.19    | 0.19    | 0.20    | 0.20       | 3.01    | ppb   |
| Zirconium | 91-1 | 0.21    | 0.18    | 0.20    | 0.20       | 8.36    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:31:45 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 501.79  | 494.77  | 527.64  | 508.06     | 3.41    | ppb   |
| Antimony   | 121-1 | 198.94  | 190.02  | 195.74  | 194.90     | 2.32    | ppb   |
| Arsenic    | 75-2  | 205.50  | 204.44  | 207.92  | 205.95     | 0.87    | ppb   |
| Barium     | 135-1 | 103.11  | 98.29   | 100.48  | 100.63     | 2.40    | ppb   |
| Barium     | 137-1 | 103.48  | 98.68   | 100.76  | 100.97     | 2.38    | ppb   |
| Beryllium  | 9-1   | 101.51  | 99.38   | 100.33  | 100.40     | 1.06    | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 105        |         | %     |
| Boron      | 10-1  | 511.34  | 514.75  | 532.99  | 519.69     | 2.24    | ppb   |
| Boron      | 11-1  | 504.46  | 515.52  | 534.10  | 518.03     | 2.89    | ppb   |
| Cadmium    | 111-1 | 110.80  | 106.30  | 109.05  | 108.72     | 2.09    | ppb   |
| Cadmium    | 106-1 | 208.81  | 193.93  | 208.41  | 203.72     | 4.16    | ppb   |
| Cadmium    | 108-1 | 160.56  | 152.87  | 154.65  | 156.02     | 2.58    | ppb   |
| Calcium    | 43-1  | 2307.33 | 2279.26 | 2271.49 | 2286.02    | 0.82    | ppb   |
| Calcium    | 44-1  | 2161.38 | 2077.45 | 2098.20 | 2112.34    | 2.07    | ppb   |
| Chromium   | 52-2  | 97.30   | 97.17   | 100.76  | 98.41      | 2.07    | ppb   |
| Cobalt     | 59-2  | 99.74   | 99.89   | 104.14  | 101.26     | 2.47    | ppb   |
| Copper     | 63-2  | 103.12  | 102.42  | 106.57  | 104.04     | 2.14    | 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 |         |         |         | 102        |         | %     |
| Holmium    | 165-2 |         |         |         | 107        |         | %     |
| Indium     | 115-1 |         |         |         | 101        |         | %     |
| Indium     | 115-2 |         |         |         | 107        |         | %     |
| Iron       | 56-2  | 1028.65 | 1019.24 | 1063.26 | 1037.05    | 2.24    | ppb   |
| Iron       | 57-2  | 1039.23 | 1062.19 | 1080.74 | 1060.72    | 1.96    | ppb   |
| Lead       | 206-1 | 192.82  | 189.10  | 190.28  | 190.74     | 1.00    | ppb   |
| Lead       | 207-1 | 186.76  | 183.14  | 184.18  | 184.69     | 1.01    | ppb   |
| Lead       | 208-1 | 192.00  | 186.35  | 188.48  | 188.94     | 1.51    | ppb   |
| Lithium    | 6-1   |         |         |         | 110        |         | %     |
| Magnesium  | 24-2  | 1164.81 | 1142.89 | 1201.78 | 1169.83    | 2.54    | ppb   |
| Manganese  | 55-2  | 96.48   | 96.19   | 100.79  | 97.82      | 2.63    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:31:45 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 1361.88 | 1307.27 | 1313.51 | 1327.55    | 2.25    | ppb   |
| Molybdenum | 95-1  | 596.03  | 573.93  | 581.74  | 583.90     | 1.92    | ppb   |
| Molybdenum | 96-1  | 692.93  | 661.66  | 673.32  | 675.97     | 2.34    | ppb   |
| Molybdenum | 97-1  | 581.70  | 561.76  | 571.96  | 571.81     | 1.74    | ppb   |
| Molybdenum | 98-1  | 597.88  | 572.98  | 586.37  | 585.74     | 2.13    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 104.23  | 102.22  | 108.01  | 104.82     | 2.81    | ppb   |
| Phosphorus | 31-2  | 6.13    | -5.28   | -1.88   | -0.34      |         | ppb   |
| Potassium  | 39-2  | 1937.89 | 1901.17 | 1984.46 | 1941.17    | 2.15    | ppb   |
| Rhodium    | 103-1 |         |         |         | 100        |         | %     |
| Rhodium    | 103-2 |         |         |         | 106        |         | %     |
| Scandium   | 45-1  |         |         |         | 104        |         | %     |
| Scandium   | 45-2  |         |         |         | 113        |         | %     |
| Selenium   | 77-2  | 213.33  | 218.19  | 216.08  | 215.87     | 1.13    | ppb   |
| Selenium   | 78-2  | 217.79  | 215.74  | 218.96  | 217.50     | 0.75    | ppb   |
| Selenium   | 82-1  | 213.44  | 206.53  | 208.26  | 209.41     | 1.72    | ppb   |
| Silicon    | 28-1  | 5.85    | 4.82    | 5.33    | 5.33       | 9.71    | ppb   |
| Silver     | 109-1 | 104.86  | 100.76  | 103.62  | 103.08     | 2.04    | ppb   |
| Silver     | 107-1 | 105.97  | 100.67  | 104.18  | 103.61     | 2.60    | ppb   |
| Sodium     | 23-2  | 1925.60 | 1896.98 | 1973.76 | 1932.11    | 2.01    | ppb   |
| Strontium  | 86-1  | 616.38  | 592.37  | 605.95  | 604.90     | 1.99    | ppb   |
| Strontium  | 88-1  | 620.44  | 590.69  | 605.30  | 605.48     | 2.46    | ppb   |
| Sulfur     | 34-1  | -231.89 | -415.36 | -416.94 | -354.73    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 102        |         | %     |
| Terbium    | 159-2 |         |         |         | 107        |         | %     |
| Thallium   | 203-1 | 188.96  | 183.72  | 186.76  | 186.48     | 1.41    | ppb   |
| Thallium   | 205-1 | 196.72  | 190.09  | 191.19  | 192.66     | 1.84    | ppb   |
| Thorium    | 232-1 | 511.80  | 493.09  | 493.28  | 499.39     | 2.15    | ppb   |
| Tin        | 118-1 | 653.30  | 621.57  | 632.16  | 635.68     | 2.54    | ppb   |
| Titanium   | 47-1  | 615.01  | 592.47  | 596.77  | 601.42     | 1.99    | ppb   |
| Uranium    | 238-1 | 593.58  | 564.15  | 573.26  | 577.00     | 2.61    | ppb   |
| Vanadium   | 51-2  | 97.40   | 96.49   | 100.64  | 98.18      | 2.22    | ppb   |
| Yttrium    | 89-1  |         |         |         | 102        |         | %     |
| Yttrium    | 89-2  |         |         |         | 110        |         | %     |
| Zinc       | 66-2  | 211.79  | 208.69  | 216.89  | 212.46     | 1.95    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:31:45 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 617.61  | 588.94  | 597.19  | 601.25     | 2.46    | ppb   |
| Zirconium | 91-1 | 618.92  | 595.67  | 600.86  | 605.15     | 2.02    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7        |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:39:59 | DataFile Name :   | 013LLIC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 20.33   | 20.82   | 20.58   | 20.57      | 1.19    | ppb   |
| Antimony   | 121-1 | 2.11    | 2.28    | 2.14    | 2.18       | 4.00    | ppb   |
| Arsenic    | 75-2  | 1.28    | 1.09    | 1.04    | 1.14       | 10.97   | ppb   |
| Barium     | 135-1 | 9.80    | 10.77   | 10.52   | 10.36      | 4.85    | ppb   |
| Barium     | 137-1 | 9.95    | 10.69   | 10.56   | 10.40      | 3.83    | ppb   |
| Beryllium  | 9-1   | 1.07    | 1.16    | 1.10    | 1.11       | 4.22    | ppb   |
| Bismuth    | 209-1 |         |         |         | 95         |         | %     |
| Bismuth    | 209-2 |         |         |         | 99         |         | %     |
| Boron      | 10-1  | 41.12   | 44.21   | 43.49   | 42.94      | 3.76    | ppb   |
| Boron      | 11-1  | 40.91   | 43.93   | 43.67   | 42.84      | 3.91    | ppb   |
| Cadmium    | 111-1 | 1.09    | 1.16    | 1.08    | 1.11       | 4.04    | ppb   |
| Cadmium    | 106-1 | -0.05   | 0.65    | 0.60    | 0.40       | 97.89   | ppb   |
| Cadmium    | 108-1 | 0.82    | 1.17    | 1.45    | 1.15       | 27.24   | ppb   |
| Calcium    | 43-1  | 481.28  | 499.23  | 487.38  | 489.30     | 1.87    | ppb   |
| Calcium    | 44-1  | 470.08  | 504.15  | 499.53  | 491.25     | 3.76    | ppb   |
| Chromium   | 52-2  | 2.16    | 2.14    | 2.27    | 2.19       | 3.24    | ppb   |
| Cobalt     | 59-2  | 1.01    | 1.06    | 1.12    | 1.06       | 5.44    | ppb   |
| Copper     | 63-2  | 2.08    | 2.12    | 2.19    | 2.13       | 2.57    | 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 |         |         |         | 96         |         | %     |
| Holmium    | 165-2 |         |         |         | 102        |         | %     |
| Indium     | 115-1 |         |         |         | 97         |         | %     |
| Indium     | 115-2 |         |         |         | 104        |         | %     |
| Iron       | 56-2  | 52.75   | 52.95   | 54.49   | 53.40      | 1.78    | ppb   |
| Iron       | 57-2  | 52.88   | 55.37   | 59.25   | 55.84      | 5.75    | ppb   |
| Lead       | 206-1 | 1.03    | 1.05    | 1.06    | 1.05       | 1.48    | ppb   |
| Lead       | 207-1 | 0.99    | 1.05    | 1.01    | 1.02       | 2.89    | ppb   |
| Lead       | 208-1 | 0.99    | 1.08    | 1.05    | 1.04       | 3.97    | ppb   |
| Lithium    | 6-1   |         |         |         | 104        |         | %     |
| Magnesium  | 24-2  | 486.04  | 483.18  | 496.14  | 488.45     | 1.39    | ppb   |
| Manganese  | 55-2  | 0.98    | 0.94    | 1.08    | 1.00       | 7.29    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7        |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:39:59 | DataFile Name :   | 013LLIC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 5.06    | 5.64    | 5.43    | 5.38       | 5.49    | ppb   |
| Molybdenum | 95-1  | 4.94    | 5.37    | 5.19    | 5.17       | 4.19    | ppb   |
| Molybdenum | 96-1  | 4.94    | 5.39    | 5.42    | 5.25       | 5.09    | ppb   |
| Molybdenum | 97-1  | 4.77    | 5.43    | 5.13    | 5.11       | 6.47    | ppb   |
| Molybdenum | 98-1  | 5.11    | 5.31    | 5.34    | 5.25       | 2.35    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.14    | 1.28    | 1.16    | 1.19       | 6.15    | ppb   |
| Phosphorus | 31-2  | 7.46    | -7.07   | 4.16    | 1.52       | 502.11  | ppb   |
| Potassium  | 39-2  | 490.61  | 493.47  | 509.88  | 497.99     | 2.09    | ppb   |
| Rhodium    | 103-1 |         |         |         | 97         |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 108        |         | %     |
| Selenium   | 77-2  | 2.57    | 6.78    | 5.80    | 5.05       | 43.68   | ppb   |
| Selenium   | 78-2  | 6.03    | 5.35    | 5.63    | 5.67       | 6.05    | ppb   |
| Selenium   | 82-1  | 5.57    | 5.50    | 5.68    | 5.58       | 1.61    | ppb   |
| Silicon    | 28-1  | 13.56   | 17.31   | 17.68   | 16.18      | 14.08   | ppb   |
| Silver     | 109-1 | 1.13    | 1.16    | 1.10    | 1.13       | 2.60    | ppb   |
| Silver     | 107-1 | 1.12    | 1.17    | 1.14    | 1.14       | 2.56    | ppb   |
| Sodium     | 23-2  | 492.01  | 488.80  | 509.41  | 496.74     | 2.23    | ppb   |
| Strontium  | 86-1  | 1.02    | 1.30    | 1.16    | 1.16       | 12.22   | ppb   |
| Strontium  | 88-1  | 1.03    | 1.16    | 1.13    | 1.10       | 6.15    | ppb   |
| Sulfur     | 34-1  | -100.42 | 190.47  | 277.74  | 122.60     | 161.51  | ppb   |
| Terbium    | 159-1 |         |         |         | 96         |         | %     |
| Terbium    | 159-2 |         |         |         | 101        |         | %     |
| Thallium   | 203-1 | 0.94    | 1.02    | 1.00    | 0.99       | 4.25    | ppb   |
| Thallium   | 205-1 | 0.98    | 1.03    | 1.04    | 1.02       | 2.86    | ppb   |
| Thorium    | 232-1 | 1.01    | 1.11    | 1.07    | 1.06       | 4.41    | ppb   |
| Tin        | 118-1 | 5.12    | 5.65    | 5.43    | 5.40       | 4.93    | ppb   |
| Titanium   | 47-1  | 4.85    | 5.30    | 5.18    | 5.11       | 4.54    | ppb   |
| Uranium    | 238-1 | 0.94    | 1.06    | 1.01    | 1.00       | 6.05    | ppb   |
| Vanadium   | 51-2  | 4.96    | 4.93    | 5.18    | 5.02       | 2.70    | ppb   |
| Yttrium    | 89-1  |         |         |         | 98         |         | %     |
| Yttrium    | 89-2  |         |         |         | 106        |         | %     |
| Zinc       | 66-2  | 2.76    | 2.22    | 2.66    | 2.55       | 11.25   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7        |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:39:59 | DataFile Name :   | 013LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 1.06    | 1.22    | 1.16    | 1.15       | 7.06    | ppb   |
| Zirconium | 91-1 | 1.01    | 1.21    | 1.20    | 1.14       | 9.78    | ppb   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 13:46:59 DataFile Name : 014CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.07   | 0.68    | 1.16    | 0.59       | 105.43  | ppb   |
| Antimony   | 121-1 | 0.01    | 0.01    | 0.02    | 0.02       | 39.75   | ppb   |
| Arsenic    | 75-2  | -0.01   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Barium     | 135-1 | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       | 1155.08 | ppb   |
| Beryllium  | 9-1   | 0.03    | 0.00    | 0.00    | 0.01       | 131.70  | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 107        |         | %     |
| Boron      | 10-1  | 9.38    | 9.66    | 9.19    | 9.41       | 2.50    | ppb   |
| Boron      | 11-1  | 9.24    | 9.18    | 9.11    | 9.17       | 0.71    | ppb   |
| Cadmium    | 111-1 | 0.00    | 0.01    | -0.01   | 0.00       | 4056.93 | ppb   |
| Cadmium    | 106-1 | -0.35   | 0.10    | -0.53   | -0.26      |         | ppb   |
| Cadmium    | 108-1 | -0.04   | -0.06   | 0.01    | -0.03      |         | ppb   |
| Calcium    | 43-1  | -2.78   | -3.02   | -1.16   | -2.32      |         | ppb   |
| Calcium    | 44-1  | -2.84   | -2.59   | -1.86   | -2.43      |         | ppb   |
| Chromium   | 52-2  | -0.02   | -0.02   | -0.01   | -0.02      |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 80.33   | ppb   |
| Copper     | 63-2  | -0.07   | -0.08   | -0.11   | -0.09      |         | 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 |         |         |         | 102        |         | %     |
| Holmium    | 165-2 |         |         |         | 109        |         | %     |
| Indium     | 115-1 |         |         |         | 104        |         | %     |
| Indium     | 115-2 |         |         |         | 112        |         | %     |
| Iron       | 56-2  | -0.02   | -0.05   | 0.01    | -0.02      |         | ppb   |
| Iron       | 57-2  | 0.46    | -0.66   | 0.35    | 0.05       | 1200.99 | ppb   |
| Lead       | 206-1 | 0.02    | 0.02    | 0.02    | 0.02       | 25.12   | ppb   |
| Lead       | 207-1 | 0.01    | 0.00    | 0.02    | 0.01       | 62.23   | ppb   |
| Lead       | 208-1 | 0.01    | 0.01    | 0.02    | 0.01       | 25.53   | ppb   |
| Lithium    | 6-1   |         |         |         | 110        |         | %     |
| Magnesium  | 24-2  | 0.27    | 0.32    | 0.63    | 0.41       | 47.10   | ppb   |
| Manganese  | 55-2  | -0.01   | -0.02   | -0.01   | -0.01      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:46:59 | DataFile Name :   | 014CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.06    | 0.04    | 0.04    | 0.04       | 23.54   | ppb   |
| Molybdenum | 95-1  | 0.03    | 0.02    | 0.01    | 0.02       | 32.71   | ppb   |
| Molybdenum | 96-1  | 0.03    | 0.01    | 0.01    | 0.02       | 44.06   | ppb   |
| Molybdenum | 97-1  | 0.00    | 0.03    | 0.02    | 0.02       | 65.15   | ppb   |
| Molybdenum | 98-1  | 0.02    | 0.01    | 0.02    | 0.02       | 41.29   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.01    | -0.01   | -0.02   | -0.01      |         | ppb   |
| Phosphorus | 31-2  | -0.67   | -11.72  | 1.44    | -3.65      |         | ppb   |
| Potassium  | 39-2  | 1.37    | -0.75   | -1.23   | -0.20      |         | ppb   |
| Rhodium    | 103-1 |         |         |         | 104        |         | %     |
| Rhodium    | 103-2 |         |         |         | 111        |         | %     |
| Scandium   | 45-1  |         |         |         | 107        |         | %     |
| Scandium   | 45-2  |         |         |         | 117        |         | %     |
| Selenium   | 77-2  | -0.14   | -0.14   | -0.14   | -0.14      |         | ppb   |
| Selenium   | 78-2  | -0.15   | -0.21   | 0.09    | -0.09      |         | ppb   |
| Selenium   | 82-1  | -0.16   | 0.26    | -0.12   | -0.01      |         | ppb   |
| Silicon    | 28-1  | 0.57    | 0.55    | 0.43    | 0.51       | 15.14   | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.00    | 0.00       | 47.46   | ppb   |
| Silver     | 107-1 | 0.01    | 0.01    | 0.00    | 0.01       | 36.61   | ppb   |
| Sodium     | 23-2  | 6.24    | 5.27    | 3.31    | 4.94       | 30.14   | ppb   |
| Strontium  | 86-1  | 0.02    | 0.06    | 0.02    | 0.03       | 60.86   | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |
| Sulfur     | 34-1  | -0.05   | 5.59    | 23.65   | 9.73       | 127.25  | ppb   |
| Terbium    | 159-1 |         |         |         | 102        |         | %     |
| Terbium    | 159-2 |         |         |         | 109        |         | %     |
| Thallium   | 203-1 | 0.01    | 0.01    | 0.02    | 0.01       | 50.67   | ppb   |
| Thallium   | 205-1 | 0.00    | 0.01    | 0.01    | 0.01       | 48.85   | ppb   |
| Thorium    | 232-1 | 0.02    | 0.03    | 0.02    | 0.03       | 5.42    | ppb   |
| Tin        | 118-1 | 0.01    | 0.05    | 0.07    | 0.05       | 66.04   | ppb   |
| Titanium   | 47-1  | -0.01   | 0.02    | 0.04    | 0.02       | 136.99  | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 91.35   | ppb   |
| Yttrium    | 89-1  |         |         |         | 105        |         | %     |
| Yttrium    | 89-2  |         |         |         | 115        |         | %     |
| Zinc       | 66-2  | -0.55   | -0.66   | -0.38   | -0.53      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:46:59 | DataFile Name :   | 014CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.01    | 0.01    | 0.01    | 0.01       | 44.90   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.01    | 0.02    | 0.02       | 40.08   | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB98039             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-09-19 13:50:34 | DataFile Name :   | 015ICSA01.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 89289.74  | 87687.44  | 87649.86  | 88209.01   | 1.06    | ppb   |
| Antimony   | 121-1 | 1.18      | 1.25      | 1.26      | 1.23       | 3.15    | ppb   |
| Arsenic    | 75-2  | 0.29      | 0.31      | 0.31      | 0.30       | 4.03    | ppb   |
| Barium     | 135-1 | 1.48      | 1.31      | 1.43      | 1.41       | 6.16    | ppb   |
| Barium     | 137-1 | 1.49      | 1.50      | 1.52      | 1.51       | 0.99    | ppb   |
| Beryllium  | 9-1   | 0.30      | 0.27      | 0.26      | 0.28       | 6.99    | ppb   |
| Bismuth    | 209-1 |           |           |           | 90         |         | %     |
| Bismuth    | 209-2 |           |           |           | 91         |         | %     |
| Boron      | 10-1  | 11.16     | 10.97     | 10.44     | 10.86      | 3.46    | ppb   |
| Boron      | 11-1  | 11.00     | 11.40     | 10.18     | 10.86      | 5.72    | ppb   |
| Cadmium    | 111-1 | 0.27      | 0.32      | 0.18      | 0.26       | 28.34   | ppb   |
| Cadmium    | 106-1 | -1.28     | -0.95     | -1.77     | -1.33      |         | ppb   |
| Cadmium    | 108-1 | 10.36     | 10.55     | 10.86     | 10.59      | 2.34    | ppb   |
| Calcium    | 43-1  | 93248.93  | 93802.70  | 94860.32  | 93970.65   | 0.87    | ppb   |
| Calcium    | 44-1  | 93160.92  | 94079.61  | 94701.88  | 93980.80   | 0.82    | ppb   |
| Chromium   | 52-2  | 19.96     | 19.95     | 19.61     | 19.84      | 1.00    | ppb   |
| Cobalt     | 59-2  | 1.16      | 1.21      | 1.15      | 1.17       | 2.64    | ppb   |
| Copper     | 63-2  | 7.55      | 7.50      | 7.45      | 7.50       | 0.67    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 99         |         | %     |
| Holmium    | 165-2 |           |           |           | 102        |         | %     |
| Indium     | 115-1 |           |           |           | 93         |         | %     |
| Indium     | 115-2 |           |           |           | 97         |         | %     |
| Iron       | 56-2  | 102961.65 | 102333.96 | 100742.45 | 102012.69  | 1.12    | ppb   |
| Iron       | 57-2  | 102396.93 | 101722.61 | 101054.29 | 101724.61  | 0.66    | ppb   |
| Lead       | 206-1 | 4.72      | 4.72      | 4.70      | 4.71       | 0.18    | ppb   |
| Lead       | 207-1 | 4.09      | 4.08      | 4.13      | 4.10       | 0.64    | ppb   |
| Lead       | 208-1 | 4.36      | 4.31      | 4.37      | 4.35       | 0.71    | ppb   |
| Lithium    | 6-1   |           |           |           | 98         |         | %     |
| Magnesium  | 24-2  | 95187.35  | 94354.23  | 93725.46  | 94422.35   | 0.78    | ppb   |
| Manganese  | 55-2  | 7.85      | 7.64      | 7.65      | 7.71       | 1.57    | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB98039             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-09-19 13:50:34 | DataFile Name :   | 015ICSA01.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 1340.78  | 1332.83  | 1338.86  | 1337.49    | 0.31    | ppb   |
| Molybdenum | 95-1  | 1923.74  | 1917.72  | 1931.80  | 1924.42    | 0.37    | ppb   |
| Molybdenum | 96-1  | 1843.93  | 1845.03  | 1852.23  | 1847.06    | 0.24    | ppb   |
| Molybdenum | 97-1  | 1920.57  | 1922.10  | 1938.20  | 1926.96    | 0.51    | ppb   |
| Molybdenum | 98-1  | 1919.48  | 1920.83  | 1941.23  | 1927.18    | 0.63    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 5.43     | 5.30     | 5.22     | 5.32       | 2.01    | ppb   |
| Phosphorus | 31-2  | 96367.25 | 95725.08 | 96122.34 | 96071.56   | 0.34    | ppb   |
| Potassium  | 39-2  | 97289.56 | 96537.66 | 96380.67 | 96735.96   | 0.50    | ppb   |
| Rhodium    | 103-1 |          |          |          | 88         |         | %     |
| Rhodium    | 103-2 |          |          |          | 93         |         | %     |
| Scandium   | 45-1  |          |          |          | 96         |         | %     |
| Scandium   | 45-2  |          |          |          | 103        |         | %     |
| Selenium   | 77-2  | -0.14    | -0.14    | -0.14    | -0.14      |         | ppb   |
| Selenium   | 78-2  | 0.69     | -0.53    | -0.41    | -0.08      |         | ppb   |
| Selenium   | 82-1  | 0.14     | 0.16     | 0.32     | 0.21       | 46.87   | ppb   |
| Silicon    | 28-1  | 19.56    | 19.09    | 20.03    | 19.56      | 2.40    | ppb   |
| Silver     | 109-1 | 0.03     | 0.03     | 0.04     | 0.04       | 17.00   | ppb   |
| Silver     | 107-1 | 0.02     | 0.03     | 0.04     | 0.03       | 23.98   | ppb   |
| Sodium     | 23-2  | 95946.78 | 95841.78 | 95337.82 | 95708.79   | 0.34    | ppb   |
| Strontium  | 86-1  | 33.40    | 32.99    | 33.96    | 33.45      | 1.46    | ppb   |
| Strontium  | 88-1  | 32.86    | 33.00    | 33.14    | 33.00      | 0.42    | ppb   |
| Sulfur     | 34-1  | 95250.77 | 95421.10 | 96024.25 | 95565.38   | 0.43    | ppb   |
| Terbium    | 159-1 |          |          |          | 98         |         | %     |
| Terbium    | 159-2 |          |          |          | 100        |         | %     |
| Thallium   | 203-1 | 0.06     | 0.07     | 0.08     | 0.07       | 12.17   | ppb   |
| Thallium   | 205-1 | 0.06     | 0.07     | 0.06     | 0.07       | 5.45    | ppb   |
| Thorium    | 232-1 | 0.03     | 0.03     | 0.03     | 0.03       | 12.49   | ppb   |
| Tin        | 118-1 | 0.14     | 0.17     | 0.16     | 0.16       | 9.22    | ppb   |
| Titanium   | 47-1  | 1971.97  | 1960.46  | 1996.88  | 1976.44    | 0.94    | ppb   |
| Uranium    | 238-1 | 0.02     | 0.02     | 0.01     | 0.01       | 14.56   | ppb   |
| Vanadium   | 51-2  | 0.17     | 0.19     | 0.16     | 0.17       | 9.60    | ppb   |
| Yttrium    | 89-1  |          |          |          | 96         |         | %     |
| Yttrium    | 89-2  |          |          |          | 102        |         | %     |
| Zinc       | 66-2  | 10.52    | 10.56    | 9.86     | 10.32      | 3.80    | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB98039             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-09-19 13:50:34 | DataFile Name :   | 015ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.05    | 0.06    | 0.04    | 0.05       | 21.20   | ppb   |
| Zirconium | 91-1 | 0.06    | 0.06    | 0.10    | 0.07       | 27.66   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:54:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 88055.43  | 88700.92  | 88134.47  | 88296.94   | 0.40    | ppb   |
| Antimony   | 121-1 | 20.88     | 20.81     | 20.67     | 20.79      | 0.52    | ppb   |
| Arsenic    | 75-2  | 19.87     | 19.37     | 19.66     | 19.63      | 1.29    | ppb   |
| Barium     | 135-1 | 21.56     | 21.58     | 21.52     | 21.55      | 0.13    | ppb   |
| Barium     | 137-1 | 21.66     | 22.01     | 21.49     | 21.72      | 1.22    | ppb   |
| Beryllium  | 9-1   | 20.64     | 20.03     | 20.15     | 20.27      | 1.60    | ppb   |
| Bismuth    | 209-1 |           |           |           | 91         |         | %     |
| Bismuth    | 209-2 |           |           |           | 93         |         | %     |
| Boron      | 10-1  | 7.57      | 7.23      | 6.71      | 7.17       | 6.08    | ppb   |
| Boron      | 11-1  | 7.00      | 7.01      | 7.00      | 7.01       | 0.09    | ppb   |
| Cadmium    | 111-1 | 20.48     | 20.02     | 19.99     | 20.16      | 1.36    | ppb   |
| Cadmium    | 106-1 | 15.42     | 16.66     | 13.23     | 15.10      | 11.51   | ppb   |
| Cadmium    | 108-1 | 26.56     | 27.71     | 28.11     | 27.46      | 2.93    | ppb   |
| Calcium    | 43-1  | 93626.17  | 93912.79  | 94257.45  | 93932.13   | 0.34    | ppb   |
| Calcium    | 44-1  | 93103.53  | 93079.48  | 93939.80  | 93374.27   | 0.52    | ppb   |
| Chromium   | 52-2  | 39.04     | 39.96     | 39.62     | 39.54      | 1.17    | ppb   |
| Cobalt     | 59-2  | 20.71     | 20.96     | 20.88     | 20.85      | 0.61    | ppb   |
| Copper     | 63-2  | 27.50     | 28.04     | 27.57     | 27.70      | 1.06    | 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 |           |           |           | 100        |         | %     |
| Holmium    | 165-2 |           |           |           | 103        |         | %     |
| Indium     | 115-1 |           |           |           | 95         |         | %     |
| Indium     | 115-2 |           |           |           | 100        |         | %     |
| Iron       | 56-2  | 101258.47 | 102346.81 | 100917.28 | 101507.52  | 0.74    | ppb   |
| Iron       | 57-2  | 100390.81 | 101706.71 | 101722.40 | 101273.31  | 0.75    | ppb   |
| Lead       | 206-1 | 24.75     | 25.39     | 25.09     | 25.08      | 1.27    | ppb   |
| Lead       | 207-1 | 22.98     | 23.22     | 23.48     | 23.22      | 1.08    | ppb   |
| Lead       | 208-1 | 23.69     | 23.87     | 24.02     | 23.86      | 0.69    | ppb   |
| Lithium    | 6-1   |           |           |           | 99         |         | %     |
| Magnesium  | 24-2  | 93940.53  | 94975.54  | 94030.73  | 94315.60   | 0.61    | ppb   |
| Manganese  | 55-2  | 27.11     | 27.58     | 26.99     | 27.23      | 1.15    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:54:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 1333.41  | 1327.72  | 1322.45  | 1327.86    | 0.41    | ppb   |
| Molybdenum | 95-1  | 1914.18  | 1904.54  | 1904.88  | 1907.87    | 0.29    | ppb   |
| Molybdenum | 96-1  | 1846.40  | 1823.83  | 1823.67  | 1831.30    | 0.71    | ppb   |
| Molybdenum | 97-1  | 1915.63  | 1907.30  | 1910.97  | 1911.30    | 0.22    | ppb   |
| Molybdenum | 98-1  | 1916.39  | 1914.50  | 1914.63  | 1915.17    | 0.06    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 25.08    | 25.38    | 24.80    | 25.09      | 1.16    | ppb   |
| Phosphorus | 31-2  | 96024.78 | 98042.27 | 95877.23 | 96648.09   | 1.25    | ppb   |
| Potassium  | 39-2  | 96298.26 | 97219.55 | 96104.80 | 96540.87   | 0.62    | ppb   |
| Rhodium    | 103-1 |          |          |          | 90         |         | %     |
| Rhodium    | 103-2 |          |          |          | 96         |         | %     |
| Scandium   | 45-1  |          |          |          | 98         |         | %     |
| Scandium   | 45-2  |          |          |          | 106        |         | %     |
| Selenium   | 77-2  | 23.43    | 18.12    | 17.47    | 19.67      | 16.63   | ppb   |
| Selenium   | 78-2  | 21.03    | 17.55    | 21.40    | 19.99      | 10.61   | ppb   |
| Selenium   | 82-1  | 19.27    | 19.63    | 18.90    | 19.27      | 1.88    | ppb   |
| Silicon    | 28-1  | 20.74    | 21.05    | 21.51    | 21.10      | 1.84    | ppb   |
| Silver     | 109-1 | 18.66    | 18.69    | 18.52    | 18.62      | 0.49    | ppb   |
| Silver     | 107-1 | 18.38    | 18.67    | 18.41    | 18.49      | 0.85    | ppb   |
| Sodium     | 23-2  | 95481.68 | 95211.23 | 95861.61 | 95518.17   | 0.34    | ppb   |
| Strontium  | 86-1  | 33.87    | 33.31    | 34.18    | 33.79      | 1.32    | ppb   |
| Strontium  | 88-1  | 33.31    | 33.35    | 33.24    | 33.30      | 0.16    | ppb   |
| Sulfur     | 34-1  | 94938.94 | 94755.70 | 96723.87 | 95472.83   | 1.14    | ppb   |
| Terbium    | 159-1 |          |          |          | 99         |         | %     |
| Terbium    | 159-2 |          |          |          | 103        |         | %     |
| Thallium   | 203-1 | 19.91    | 19.60    | 19.73    | 19.75      | 0.79    | ppb   |
| Thallium   | 205-1 | 20.15    | 20.22    | 20.24    | 20.20      | 0.23    | ppb   |
| Thorium    | 232-1 | 0.02     | 0.02     | 0.02     | 0.02       | 9.66    | ppb   |
| Tin        | 118-1 | 0.14     | 0.09     | 0.11     | 0.11       | 20.45   | ppb   |
| Titanium   | 47-1  | 1987.09  | 1971.15  | 1985.06  | 1981.10    | 0.44    | ppb   |
| Uranium    | 238-1 | 0.02     | 0.02     | 0.02     | 0.02       | 6.78    | ppb   |
| Vanadium   | 51-2  | 19.80    | 20.24    | 20.03    | 20.02      | 1.10    | ppb   |
| Yttrium    | 89-1  |          |          |          | 98         |         | %     |
| Yttrium    | 89-2  |          |          |          | 105        |         | %     |
| Zinc       | 66-2  | 29.13    | 29.98    | 29.39    | 29.50      | 1.47    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:54:11 | DataFile Name :   | 016ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.04    | 0.04    | 0.05    | 0.04       | 6.27    | ppb   |
| Zirconium | 91-1 | 0.08    | 0.05    | 0.03    | 0.05       | 42.23   | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV04               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV04               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 13:57:48 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 51682.18  | 51578.87  | 51253.73  | 51504.93   | 0.43    | ppb   |
| Antimony   | 121-1 | 513.61    | 510.68    | 510.67    | 511.65     | 0.33    | ppb   |
| Arsenic    | 75-2  | 503.46    | 498.96    | 496.12    | 499.52     | 0.74    | ppb   |
| Barium     | 135-1 | 2649.02   | 2607.09   | 2620.69   | 2625.60    | 0.81    | ppb   |
| Barium     | 137-1 | 2629.63   | 2618.86   | 2622.41   | 2623.64    | 0.21    | ppb   |
| Beryllium  | 9-1   | 515.92    | 513.45    | 518.74    | 516.04     | 0.51    | ppb   |
| Bismuth    | 209-1 |           |           |           | 87         |         | %     |
| Bismuth    | 209-2 |           |           |           | 89         |         | %     |
| Boron      | 10-1  | 497.36    | 520.87    | 519.03    | 512.42     | 2.55    | ppb   |
| Boron      | 11-1  | 514.50    | 518.76    | 530.89    | 521.38     | 1.63    | ppb   |
| Cadmium    | 111-1 | 495.44    | 500.04    | 503.72    | 499.73     | 0.83    | ppb   |
| Cadmium    | 106-1 | 503.97    | 512.69    | 509.22    | 508.62     | 0.86    | ppb   |
| Cadmium    | 108-1 | 498.79    | 500.37    | 502.49    | 500.55     | 0.37    | ppb   |
| Calcium    | 43-1  | 244494.95 | 242921.02 | 243200.04 | 243538.67  | 0.34    | ppb   |
| Calcium    | 44-1  | 245085.60 | 242108.32 | 243536.46 | 243576.79  | 0.61    | ppb   |
| Chromium   | 52-2  | 518.02    | 516.39    | 515.36    | 516.59     | 0.26    | ppb   |
| Cobalt     | 59-2  | 496.84    | 493.67    | 491.22    | 493.91     | 0.57    | ppb   |
| Copper     | 63-2  | 953.95    | 950.38    | 941.43    | 948.59     | 0.68    | 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 |           |           |           | 101        |         | %     |
| Holmium    | 165-2 |           |           |           | 104        |         | %     |
| Indium     | 115-1 |           |           |           | 95         |         | %     |
| Indium     | 115-2 |           |           |           | 99         |         | %     |
| Iron       | 56-2  | 127646.46 | 127214.79 | 126518.79 | 127126.68  | 0.45    | ppb   |
| Iron       | 57-2  | 127839.90 | 126523.63 | 125822.86 | 126728.80  | 0.81    | ppb   |
| Lead       | 206-1 | 532.18    | 530.41    | 527.03    | 529.87     | 0.49    | ppb   |
| Lead       | 207-1 | 530.15    | 525.93    | 527.26    | 527.78     | 0.41    | ppb   |
| Lead       | 208-1 | 530.90    | 525.65    | 526.50    | 527.68     | 0.53    | ppb   |
| Lithium    | 6-1   |           |           |           | 98         |         | %     |
| Magnesium  | 24-2  | 239590.83 | 241504.99 | 238572.56 | 239889.46  | 0.62    | ppb   |
| Manganese  | 55-2  | 994.40    | 992.58    | 988.76    | 991.91     | 0.29    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV04               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV04               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 13:57:48 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 2608.52   | 2588.96   | 2595.54   | 2597.67    | 0.38    | ppb   |
| Molybdenum | 95-1  | 2598.42   | 2570.76   | 2579.68   | 2582.95    | 0.55    | ppb   |
| Molybdenum | 96-1  | 2603.42   | 2565.11   | 2572.40   | 2580.31    | 0.79    | ppb   |
| Molybdenum | 97-1  | 2601.10   | 2572.86   | 2564.60   | 2579.52    | 0.74    | ppb   |
| Molybdenum | 98-1  | 2585.90   | 2575.02   | 2573.27   | 2578.06    | 0.27    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 495.94    | 493.37    | 491.51    | 493.61     | 0.45    | ppb   |
| Phosphorus | 31-2  | 10373.45  | 10131.04  | 10369.39  | 10291.29   | 1.35    | ppb   |
| Potassium  | 39-2  | 126292.03 | 125462.09 | 125139.27 | 125631.13  | 0.47    | ppb   |
| Rhodium    | 103-1 |           |           |           | 89         |         | %     |
| Rhodium    | 103-2 |           |           |           | 93         |         | %     |
| Scandium   | 45-1  |           |           |           | 101        |         | %     |
| Scandium   | 45-2  |           |           |           | 112        |         | %     |
| Selenium   | 77-2  | 493.46    | 479.79    | 505.28    | 492.84     | 2.59    | ppb   |
| Selenium   | 78-2  | 481.41    | 488.97    | 483.09    | 484.49     | 0.82    | ppb   |
| Selenium   | 82-1  | 473.86    | 473.94    | 477.21    | 475.00     | 0.40    | ppb   |
| Silicon    | 28-1  | 533.94    | 533.93    | 543.17    | 537.01     | 0.99    | ppb   |
| Silver     | 109-1 | 504.60    | 506.01    | 505.84    | 505.48     | 0.15    | ppb   |
| Silver     | 107-1 | 504.53    | 502.36    | 502.92    | 503.27     | 0.22    | ppb   |
| Sodium     | 23-2  | 243453.10 | 241922.44 | 241247.92 | 242207.82  | 0.47    | ppb   |
| Strontium  | 86-1  | 511.50    | 516.38    | 514.58    | 514.16     | 0.48    | ppb   |
| Strontium  | 88-1  | 517.67    | 514.38    | 516.48    | 516.18     | 0.32    | ppb   |
| Sulfur     | 34-1  | 10203.31  | 10215.45  | 10093.60  | 10170.79   | 0.66    | ppb   |
| Terbium    | 159-1 |           |           |           | 99         |         | %     |
| Terbium    | 159-2 |           |           |           | 103        |         | %     |
| Thallium   | 203-1 | 534.78    | 535.71    | 528.81    | 533.10     | 0.70    | ppb   |
| Thallium   | 205-1 | 536.73    | 536.86    | 529.26    | 534.29     | 0.81    | ppb   |
| Thorium    | 232-1 | 535.95    | 532.17    | 525.91    | 531.34     | 0.95    | ppb   |
| Tin        | 118-1 | 524.46    | 520.54    | 521.41    | 522.14     | 0.39    | ppb   |
| Titanium   | 47-1  | 2604.39   | 2574.02   | 2566.66   | 2581.69    | 0.77    | ppb   |
| Uranium    | 238-1 | 530.16    | 530.85    | 524.47    | 528.49     | 0.66    | ppb   |
| Vanadium   | 51-2  | 515.52    | 515.74    | 511.42    | 514.23     | 0.47    | ppb   |
| Yttrium    | 89-1  |           |           |           | 100        |         | %     |
| Yttrium    | 89-2  |           |           |           | 108        |         | %     |
| Zinc       | 66-2  | 905.03    | 912.64    | 907.01    | 908.22     | 0.43    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV04               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV04               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 13:57:48 | DataFile Name :   | 017CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 520.56  | 518.05  | 520.65  | 519.75     | 0.28    | ppb   |
| Zirconium | 91-1 | 503.16  | 501.96  | 506.92  | 504.01     | 0.51    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB04               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB04               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:23:27 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.68    | 0.34    | 0.14    | 0.39       | 70.11   | ppb   |
| Antimony   | 121-1 | 0.01    | 0.01    | 0.01    | 0.01       | 22.91   | ppb   |
| Arsenic    | 75-2  | -0.02   | -0.02   | 0.00    | -0.01      |         | ppb   |
| Barium     | 135-1 | 0.03    | 0.02    | 0.00    | 0.02       | 75.16   | ppb   |
| Barium     | 137-1 | 0.04    | 0.01    | 0.02    | 0.02       | 62.10   | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.00    | 0.01    | 0.00       | 167.40  | ppb   |
| Bismuth    | 209-1 |         |         |         | 102        |         | %     |
| Bismuth    | 209-2 |         |         |         | 107        |         | %     |
| Boron      | 10-1  | 2.60    | 1.84    | 1.91    | 2.12       | 19.87   | ppb   |
| Boron      | 11-1  | 2.19    | 2.06    | 1.95    | 2.07       | 5.94    | ppb   |
| Cadmium    | 111-1 | -0.03   | -0.04   | 0.00    | -0.02      |         | ppb   |
| Cadmium    | 106-1 | -2.01   | -1.77   | -0.33   | -1.37      |         | ppb   |
| Cadmium    | 108-1 | 0.01    | 0.02    | -0.04   | 0.00       |         | ppb   |
| Calcium    | 43-1  | 1.37    | -1.84   | -1.01   | -0.49      |         | ppb   |
| Calcium    | 44-1  | 0.73    | -0.38   | 0.97    | 0.44       | 162.77  | ppb   |
| Chromium   | 52-2  | 0.00    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Cobalt     | 59-2  | 0.01    | 0.01    | 0.00    | 0.00       | 36.26   | ppb   |
| Copper     | 63-2  | -0.03   | 0.01    | -0.01   | -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 |         |         |         | 105        |         | %     |
| Holmium    | 165-2 |         |         |         | 109        |         | %     |
| Indium     | 115-1 |         |         |         | 107        |         | %     |
| Indium     | 115-2 |         |         |         | 113        |         | %     |
| Iron       | 56-2  | 1.11    | 1.20    | 1.18    | 1.16       | 3.90    | ppb   |
| Iron       | 57-2  | 1.59    | 1.96    | 0.85    | 1.47       | 38.52   | ppb   |
| Lead       | 206-1 | 0.03    | 0.02    | 0.03    | 0.03       | 6.26    | ppb   |
| Lead       | 207-1 | 0.03    | 0.02    | 0.03    | 0.03       | 18.27   | ppb   |
| Lead       | 208-1 | 0.02    | 0.02    | 0.02    | 0.02       | 5.48    | ppb   |
| Lithium    | 6-1   |         |         |         | 111        |         | %     |
| Magnesium  | 24-2  | 1.91    | 2.05    | 2.87    | 2.28       | 22.57   | ppb   |
| Manganese  | 55-2  | 0.01    | -0.01   | 0.02    | 0.01       | 324.91  | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB04               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB04               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:23:27 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.04    | 0.03    | 0.04    | 0.04       | 17.19   | ppb   |
| Molybdenum | 95-1  | 0.04    | 0.03    | 0.03    | 0.03       | 29.36   | ppb   |
| Molybdenum | 96-1  | 0.04    | 0.04    | 0.02    | 0.03       | 42.78   | ppb   |
| Molybdenum | 97-1  | 0.03    | 0.03    | 0.02    | 0.03       | 20.48   | ppb   |
| Molybdenum | 98-1  | 0.04    | 0.03    | 0.03    | 0.03       | 22.31   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.01    | -0.01   | 0.00    | 0.00       | 2133.25 | ppb   |
| Phosphorus | 31-2  | -5.04   | -8.34   | -7.24   | -6.87      |         | ppb   |
| Potassium  | 39-2  | 1.21    | 4.95    | 1.67    | 2.61       | 78.26   | ppb   |
| Rhodium    | 103-1 |         |         |         | 107        |         | %     |
| Rhodium    | 103-2 |         |         |         | 112        |         | %     |
| Scandium   | 45-1  |         |         |         | 110        |         | %     |
| Scandium   | 45-2  |         |         |         | 119        |         | %     |
| Selenium   | 77-2  | -0.14   | -0.14   | -0.14   | -0.14      |         | ppb   |
| Selenium   | 78-2  | -0.71   | 0.18    | -0.35   | -0.29      |         | ppb   |
| Selenium   | 82-1  | 0.14    | -0.33   | -0.60   | -0.26      |         | ppb   |
| Silicon    | 28-1  | 1.21    | 0.25    | 0.64    | 0.70       | 69.27   | ppb   |
| Silver     | 109-1 | 0.00    | 0.01    | 0.01    | 0.01       | 61.60   | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.01    | 0.00       | 151.32  | ppb   |
| Sodium     | 23-2  | 3.78    | 5.38    | 4.76    | 4.64       | 17.43   | ppb   |
| Strontium  | 86-1  | 0.00    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 228.14  | ppb   |
| Sulfur     | 34-1  | 139.07  | 40.90   | 75.67   | 85.21      | 58.41   | ppb   |
| Terbium    | 159-1 |         |         |         | 104        |         | %     |
| Terbium    | 159-2 |         |         |         | 109        |         | %     |
| Thallium   | 203-1 | 0.01    | 0.01    | 0.01    | 0.01       | 24.45   | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       | 61.52   | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01    | 0.00    | 0.01       | 24.07   | ppb   |
| Tin        | 118-1 | 0.03    | 0.03    | 0.05    | 0.04       | 30.72   | ppb   |
| Titanium   | 47-1  | 0.03    | 0.02    | 0.01    | 0.02       | 62.26   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | 11.25   | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 23.03   | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 116        |         | %     |
| Zinc       | 66-2  | -0.27   | -0.45   | -0.25   | -0.32      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB04               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB04               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:23:27 | DataFile Name :   | 018CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.02    | 0.00    | 0.02    | 0.02       | 63.18   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.02    | 0.02    | 0.02       | 7.57    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:27:01 | DataFile Name :   | 019LLIC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 19.07   | 18.59   | 20.46   | 19.37      | 5.01    | ppb   |
| Antimony   | 121-1 | 2.03    | 2.02    | 2.05    | 2.03       | 0.95    | ppb   |
| Arsenic    | 75-2  | 1.03    | 0.91    | 0.93    | 0.96       | 6.67    | ppb   |
| Barium     | 135-1 | 9.91    | 10.16   | 9.97    | 10.01      | 1.32    | ppb   |
| Barium     | 137-1 | 10.14   | 10.39   | 10.23   | 10.25      | 1.26    | ppb   |
| Beryllium  | 9-1   | 1.02    | 1.01    | 1.08    | 1.04       | 3.72    | ppb   |
| Bismuth    | 209-1 |         |         |         | 101        |         | %     |
| Bismuth    | 209-2 |         |         |         | 107        |         | %     |
| Boron      | 10-1  | 23.07   | 24.78   | 25.98   | 24.61      | 5.93    | ppb   |
| Boron      | 11-1  | 24.11   | 24.04   | 25.55   | 24.57      | 3.47    | ppb   |
| Cadmium    | 111-1 | 1.15    | 1.07    | 1.04    | 1.09       | 5.17    | ppb   |
| Cadmium    | 106-1 | 1.70    | 0.62    | 1.26    | 1.19       | 45.43   | ppb   |
| Cadmium    | 108-1 | 1.21    | 0.96    | 0.99    | 1.05       | 13.27   | ppb   |
| Calcium    | 43-1  | 458.84  | 471.25  | 478.04  | 469.38     | 2.07    | ppb   |
| Calcium    | 44-1  | 467.15  | 470.49  | 469.95  | 469.20     | 0.38    | ppb   |
| Chromium   | 52-2  | 2.03    | 2.22    | 2.16    | 2.14       | 4.46    | ppb   |
| Cobalt     | 59-2  | 1.05    | 1.06    | 1.02    | 1.04       | 1.93    | ppb   |
| Copper     | 63-2  | 2.15    | 2.05    | 2.10    | 2.10       | 2.41    | 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 |         |         |         | 104        |         | %     |
| Holmium    | 165-2 |         |         |         | 110        |         | %     |
| Indium     | 115-1 |         |         |         | 106        |         | %     |
| Indium     | 115-2 |         |         |         | 114        |         | %     |
| Iron       | 56-2  | 53.41   | 52.84   | 52.32   | 52.86      | 1.04    | ppb   |
| Iron       | 57-2  | 57.23   | 53.89   | 49.92   | 53.68      | 6.81    | ppb   |
| Lead       | 206-1 | 0.95    | 0.96    | 1.01    | 0.97       | 3.66    | ppb   |
| Lead       | 207-1 | 0.94    | 0.97    | 1.02    | 0.98       | 4.08    | ppb   |
| Lead       | 208-1 | 0.96    | 0.97    | 0.99    | 0.97       | 1.98    | ppb   |
| Lithium    | 6-1   |         |         |         | 112        |         | %     |
| Magnesium  | 24-2  | 479.58  | 488.49  | 484.17  | 484.08     | 0.92    | ppb   |
| Manganese  | 55-2  | 1.03    | 1.02    | 1.07    | 1.04       | 2.62    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:27:01 | DataFile Name :   | 019LLIC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 5.02    | 4.98    | 4.96    | 4.99       | 0.67    | ppb   |
| Molybdenum | 95-1  | 4.85    | 4.92    | 4.86    | 4.88       | 0.80    | ppb   |
| Molybdenum | 96-1  | 5.05    | 4.87    | 4.85    | 4.93       | 2.25    | ppb   |
| Molybdenum | 97-1  | 4.92    | 4.85    | 4.98    | 4.92       | 1.40    | ppb   |
| Molybdenum | 98-1  | 5.02    | 4.93    | 4.89    | 4.95       | 1.37    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.14    | 1.14    | 1.12    | 1.13       | 0.96    | ppb   |
| Phosphorus | 31-2  | -5.06   | -2.56   | 3.11    | -1.50      |         | ppb   |
| Potassium  | 39-2  | 493.97  | 496.22  | 482.03  | 490.74     | 1.55    | ppb   |
| Rhodium    | 103-1 |         |         |         | 106        |         | %     |
| Rhodium    | 103-2 |         |         |         | 113        |         | %     |
| Scandium   | 45-1  |         |         |         | 110        |         | %     |
| Scandium   | 45-2  |         |         |         | 120        |         | %     |
| Selenium   | 77-2  | 6.13    | 2.35    | 3.00    | 3.83       | 52.89   | ppb   |
| Selenium   | 78-2  | 6.69    | 5.44    | 6.46    | 6.20       | 10.72   | ppb   |
| Selenium   | 82-1  | 4.70    | 5.12    | 5.63    | 5.15       | 9.02    | ppb   |
| Silicon    | 28-1  | 14.61   | 14.86   | 14.58   | 14.68      | 1.05    | ppb   |
| Silver     | 109-1 | 1.09    | 1.06    | 1.12    | 1.09       | 2.56    | ppb   |
| Silver     | 107-1 | 1.12    | 1.07    | 1.12    | 1.10       | 2.72    | ppb   |
| Sodium     | 23-2  | 489.53  | 487.36  | 494.56  | 490.48     | 0.75    | ppb   |
| Strontium  | 86-1  | 0.97    | 1.09    | 1.02    | 1.03       | 5.76    | ppb   |
| Strontium  | 88-1  | 1.01    | 1.00    | 1.04    | 1.02       | 1.77    | ppb   |
| Sulfur     | 34-1  | 225.38  | 206.80  | 210.48  | 214.22     | 4.59    | ppb   |
| Terbium    | 159-1 |         |         |         | 104        |         | %     |
| Terbium    | 159-2 |         |         |         | 110        |         | %     |
| Thallium   | 203-1 | 0.96    | 0.95    | 0.93    | 0.95       | 1.67    | ppb   |
| Thallium   | 205-1 | 0.96    | 0.97    | 0.97    | 0.97       | 0.82    | ppb   |
| Thorium    | 232-1 | 0.92    | 0.89    | 0.93    | 0.92       | 2.14    | ppb   |
| Tin        | 118-1 | 5.11    | 5.13    | 5.10    | 5.11       | 0.31    | ppb   |
| Titanium   | 47-1  | 4.98    | 4.76    | 4.96    | 4.90       | 2.50    | ppb   |
| Uranium    | 238-1 | 0.89    | 0.91    | 0.90    | 0.90       | 1.11    | ppb   |
| Vanadium   | 51-2  | 5.02    | 5.05    | 5.00    | 5.02       | 0.47    | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 117        |         | %     |
| Zinc       | 66-2  | 2.17    | 2.15    | 2.15    | 2.16       | 0.54    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:27:01 | DataFile Name :   | 019LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 1.03    | 1.00    | 0.97    | 1.00       | 2.85    | ppb   |
| Zirconium | 91-1 | 0.87    | 1.07    | 1.00    | 0.98       | 10.24   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:37:58 | DataFile Name :   | 020CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.27   | -0.52   | 0.16    | -0.21      |         | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | 0.00    | 0.00       | 65.31   | ppb   |
| Arsenic    | 75-2  | -0.01   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Barium     | 135-1 | -0.01   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Beryllium  | 9-1   | -0.01   | -0.02   | 0.00    | -0.01      |         | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 104        |         | %     |
| Boron      | 10-1  | 1.18    | 1.49    | 1.26    | 1.31       | 12.56   | ppb   |
| Boron      | 11-1  | 1.18    | 1.02    | 1.12    | 1.10       | 7.03    | ppb   |
| Cadmium    | 111-1 | -0.02   | 0.01    | -0.03   | -0.01      |         | ppb   |
| Cadmium    | 106-1 | -0.77   | 0.49    | -0.94   | -0.41      |         | ppb   |
| Cadmium    | 108-1 | 0.03    | 0.07    | 0.05    | 0.05       | 43.70   | ppb   |
| Calcium    | 43-1  | -0.97   | -3.07   | -4.12   | -2.72      |         | ppb   |
| Calcium    | 44-1  | -1.63   | -2.10   | -1.47   | -1.73      |         | ppb   |
| Chromium   | 52-2  | 0.00    | -0.02   | 0.00    | -0.01      |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 215.24  | ppb   |
| Copper     | 63-2  | -0.03   | -0.04   | -0.05   | -0.04      |         | 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 |         |         |         | 103        |         | %     |
| Holmium    | 165-2 |         |         |         | 107        |         | %     |
| Indium     | 115-1 |         |         |         | 104        |         | %     |
| Indium     | 115-2 |         |         |         | 111        |         | %     |
| Iron       | 56-2  | 0.09    | 0.02    | 0.08    | 0.06       | 65.98   | ppb   |
| Iron       | 57-2  | -0.28   | 0.37    | -0.04   | 0.02       | 2102.84 | ppb   |
| Lead       | 206-1 | 0.00    | 0.00    | 0.00    | 0.00       | 12.11   | ppb   |
| Lead       | 207-1 | 0.00    | 0.01    | -0.01   | 0.00       |         | ppb   |
| Lead       | 208-1 | 0.00    | 0.00    | 0.00    | 0.00       | 127.53  | ppb   |
| Lithium    | 6-1   |         |         |         | 111        |         | %     |
| Magnesium  | 24-2  | 0.06    | 0.06    | 0.29    | 0.14       | 99.56   | ppb   |
| Manganese  | 55-2  | -0.02   | -0.01   | -0.01   | -0.01      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:37:58 | DataFile Name :   | 020CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Molybdenum | 95-1  | 0.01    | 0.00    | 0.00    | 0.00       | 187.26  | ppb   |
| Molybdenum | 96-1  | 0.00    | 0.01    | -0.01   | 0.00       |         | ppb   |
| Molybdenum | 97-1  | 0.01    | -0.01   | -0.01   | 0.00       |         | ppb   |
| Molybdenum | 98-1  | 0.01    | 0.01    | 0.00    | 0.00       | 179.14  | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.00    | -0.02   | -0.02   | -0.01      |         | ppb   |
| Phosphorus | 31-2  | -5.80   | -4.43   | 1.46    | -2.92      |         | ppb   |
| Potassium  | 39-2  | -0.24   | 3.17    | 2.79    | 1.91       | 98.09   | ppb   |
| Rhodium    | 103-1 |         |         |         | 105        |         | %     |
| Rhodium    | 103-2 |         |         |         | 110        |         | %     |
| Scandium   | 45-1  |         |         |         | 108        |         | %     |
| Scandium   | 45-2  |         |         |         | 117        |         | %     |
| Selenium   | 77-2  | -0.14   | -0.14   | 0.22    | -0.02      |         | ppb   |
| Selenium   | 78-2  | -0.80   | -0.53   | -0.43   | -0.58      |         | ppb   |
| Selenium   | 82-1  | -0.04   | -0.65   | 0.23    | -0.15      |         | ppb   |
| Silicon    | 28-1  | 1.08    | 0.53    | 0.62    | 0.75       | 39.48   | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.01    | 0.00       | 77.74   | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.00    | 0.00       | 238.56  | ppb   |
| Sodium     | 23-2  | 1.90    | 1.16    | 1.65    | 1.57       | 24.03   | ppb   |
| Strontium  | 86-1  | 0.00    | 0.03    | 0.02    | 0.02       | 80.48   | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Sulfur     | 34-1  | 426.22  | 443.48  | 351.87  | 407.19     | 11.96   | ppb   |
| Terbium    | 159-1 |         |         |         | 103        |         | %     |
| Terbium    | 159-2 |         |         |         | 107        |         | %     |
| Thallium   | 203-1 | 0.00    | 0.00    | 0.00    | 0.00       | 31.81   | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.00    | 0.00       | 117.71  | ppb   |
| Tin        | 118-1 | -0.04   | -0.03   | -0.04   | -0.04      |         | ppb   |
| Titanium   | 47-1  | -0.04   | -0.03   | -0.01   | -0.02      |         | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Yttrium    | 89-1  |         |         |         | 106        |         | %     |
| Yttrium    | 89-2  |         |         |         | 113        |         | %     |
| Zinc       | 66-2  | -0.98   | -0.88   | -0.77   | -0.88      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:37:58 | DataFile Name :   | 020CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.00    | 0.00    | 0.01    | 0.00       | 52.24   | ppb   |
| Zirconium | 91-1 | 0.01    | 0.01    | 0.01    | 0.01       | 25.96   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:41:32 | DataFile Name :   | 021LCS6.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9667.22  | 9572.06  | 9609.50  | 9616.26    | 0.50    | ppb   |
| Antimony   | 121-1 | 491.37   | 499.82   | 510.68   | 500.62     | 1.93    | ppb   |
| Arsenic    | 75-2  | 522.99   | 514.88   | 516.21   | 518.03     | 0.84    | ppb   |
| Barium     | 135-1 | 2436.41  | 2484.00  | 2492.18  | 2470.86    | 1.22    | ppb   |
| Barium     | 137-1 | 2431.17  | 2469.87  | 2517.09  | 2472.71    | 1.74    | ppb   |
| Beryllium  | 9-1   | 489.34   | 491.86   | 504.70   | 495.30     | 1.66    | ppb   |
| Bismuth    | 209-1 |          |          |          | 96         |         | %     |
| Bismuth    | 209-2 |          |          |          | 95         |         | %     |
| Boron      | 10-1  | 444.40   | 458.36   | 487.39   | 463.38     | 4.73    | ppb   |
| Boron      | 11-1  | 448.03   | 456.78   | 483.09   | 462.63     | 3.94    | ppb   |
| Cadmium    | 111-1 | 496.37   | 508.98   | 518.39   | 507.91     | 2.18    | ppb   |
| Cadmium    | 106-1 | 499.70   | 505.06   | 519.79   | 508.18     | 2.05    | ppb   |
| Cadmium    | 108-1 | 492.59   | 496.88   | 521.13   | 503.54     | 3.06    | ppb   |
| Calcium    | 43-1  | 45728.50 | 46013.00 | 47376.00 | 46372.50   | 1.90    | ppb   |
| Calcium    | 44-1  | 46120.39 | 46485.88 | 47384.79 | 46663.69   | 1.39    | ppb   |
| Chromium   | 52-2  | 509.87   | 506.60   | 509.42   | 508.63     | 0.35    | ppb   |
| Cobalt     | 59-2  | 512.10   | 502.03   | 508.40   | 507.51     | 1.00    | ppb   |
| Copper     | 63-2  | 1028.09  | 1015.80  | 1020.06  | 1021.32    | 0.61    | 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 |          |          |          | 102        |         | %     |
| Holmium    | 165-2 |          |          |          | 101        |         | %     |
| Indium     | 115-1 |          |          |          | 97         |         | %     |
| Indium     | 115-2 |          |          |          | 97         |         | %     |
| Iron       | 56-2  | 26542.74 | 26103.87 | 26201.41 | 26282.67   | 0.88    | ppb   |
| Iron       | 57-2  | 26367.69 | 26238.34 | 26480.79 | 26362.27   | 0.46    | ppb   |
| Lead       | 206-1 | 476.28   | 485.64   | 502.71   | 488.21     | 2.74    | ppb   |
| Lead       | 207-1 | 474.80   | 482.58   | 503.48   | 486.95     | 3.05    | ppb   |
| Lead       | 208-1 | 474.59   | 483.50   | 501.80   | 486.63     | 2.85    | ppb   |
| Lithium    | 6-1   |          |          |          | 106        |         | %     |
| Magnesium  | 24-2  | 49504.36 | 48589.39 | 48652.01 | 48915.25   | 1.04    | ppb   |
| Manganese  | 55-2  | 1010.47  | 996.82   | 1006.58  | 1004.62    | 0.70    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:41:32 | DataFile Name :   | 021LCS6.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 2404.73  | 2432.91  | 2498.52  | 2445.39    | 1.97    | ppb   |
| Molybdenum | 95-1  | 2394.47  | 2422.86  | 2499.94  | 2439.09    | 2.24    | ppb   |
| Molybdenum | 96-1  | 2390.82  | 2413.84  | 2484.93  | 2429.86    | 2.02    | ppb   |
| Molybdenum | 97-1  | 2391.44  | 2432.20  | 2483.39  | 2435.68    | 1.89    | ppb   |
| Molybdenum | 98-1  | 2396.94  | 2425.34  | 2485.27  | 2435.85    | 1.85    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 514.11   | 512.14   | 519.28   | 515.18     | 0.72    | ppb   |
| Phosphorus | 31-2  | 10421.86 | 10159.02 | 10379.85 | 10320.24   | 1.37    | ppb   |
| Potassium  | 39-2  | 24765.82 | 24420.74 | 24494.13 | 24560.23   | 0.74    | ppb   |
| Rhodium    | 103-1 |          |          |          | 93         |         | %     |
| Rhodium    | 103-2 |          |          |          | 95         |         | %     |
| Scandium   | 45-1  |          |          |          | 99         |         | %     |
| Scandium   | 45-2  |          |          |          | 103        |         | %     |
| Selenium   | 77-2  | 539.28   | 531.80   | 537.24   | 536.10     | 0.72    | ppb   |
| Selenium   | 78-2  | 525.65   | 529.36   | 526.74   | 527.25     | 0.36    | ppb   |
| Selenium   | 82-1  | 491.19   | 499.25   | 520.44   | 503.62     | 3.00    | ppb   |
| Silicon    | 28-1  | 517.55   | 526.15   | 545.58   | 529.76     | 2.71    | ppb   |
| Silver     | 109-1 | 502.24   | 505.51   | 516.26   | 508.00     | 1.44    | ppb   |
| Silver     | 107-1 | 499.66   | 503.79   | 519.79   | 507.75     | 2.09    | ppb   |
| Sodium     | 23-2  | 49287.08 | 48642.73 | 48571.42 | 48833.75   | 0.81    | ppb   |
| Strontium  | 86-1  | 473.60   | 479.81   | 498.71   | 484.04     | 2.70    | ppb   |
| Strontium  | 88-1  | 484.04   | 486.58   | 499.84   | 490.15     | 1.73    | ppb   |
| Sulfur     | 34-1  | 10171.32 | 10124.49 | 10444.02 | 10246.61   | 1.68    | ppb   |
| Terbium    | 159-1 |          |          |          | 101        |         | %     |
| Terbium    | 159-2 |          |          |          | 101        |         | %     |
| Thallium   | 203-1 | 478.28   | 480.95   | 493.10   | 484.11     | 1.63    | ppb   |
| Thallium   | 205-1 | 478.17   | 483.45   | 499.68   | 487.10     | 2.30    | ppb   |
| Thorium    | 232-1 | 460.28   | 468.05   | 483.59   | 470.64     | 2.52    | ppb   |
| Tin        | 118-1 | 488.06   | 492.50   | 507.20   | 495.92     | 2.02    | ppb   |
| Titanium   | 47-1  | 2404.34  | 2417.49  | 2479.29  | 2433.71    | 1.64    | ppb   |
| Uranium    | 238-1 | 463.15   | 469.67   | 488.84   | 473.89     | 2.82    | ppb   |
| Vanadium   | 51-2  | 507.16   | 503.24   | 504.29   | 504.90     | 0.40    | ppb   |
| Yttrium    | 89-1  |          |          |          | 98         |         | %     |
| Yttrium    | 89-2  |          |          |          | 103        |         | %     |
| Zinc       | 66-2  | 1048.80  | 1034.82  | 1048.52  | 1044.05    | 0.77    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:41:32 | DataFile Name :   | 021LCS6.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 480.36  | 486.90  | 499.68  | 488.98     | 2.01    | ppb   |
| Zirconium | 91-1 | 458.88  | 470.35  | 486.28  | 471.84     | 2.92    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:45:08 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4.67     | 4.54     | 5.05     | 4.75       | 5.58    | ppb   |
| Antimony   | 121-1 | 3.62     | 3.55     | 3.45     | 3.54       | 2.42    | ppb   |
| Arsenic    | 75-2  | 2.68     | 2.79     | 2.81     | 2.76       | 2.47    | ppb   |
| Barium     | 135-1 | 50.83    | 50.75    | 51.41    | 51.00      | 0.70    | ppb   |
| Barium     | 137-1 | 51.04    | 51.23    | 50.71    | 50.99      | 0.51    | ppb   |
| Beryllium  | 9-1   | 0.05     | 0.02     | 0.01     | 0.03       | 66.07   | ppb   |
| Bismuth    | 209-1 |          |          |          | 95         |         | %     |
| Bismuth    | 209-2 |          |          |          | 94         |         | %     |
| Boron      | 10-1  | 106.32   | 103.29   | 103.57   | 104.39     | 1.60    | ppb   |
| Boron      | 11-1  | 109.66   | 107.81   | 108.90   | 108.79     | 0.86    | ppb   |
| Cadmium    | 111-1 | 0.07     | 0.09     | 0.10     | 0.08       | 19.16   | ppb   |
| Cadmium    | 106-1 | -2.28    | -1.45    | -0.96    | -1.57      |         | ppb   |
| Cadmium    | 108-1 | 0.11     | 0.20     | 0.20     | 0.17       | 30.78   | ppb   |
| Calcium    | 43-1  | 67935.01 | 67678.58 | 67869.33 | 67827.64   | 0.20    | ppb   |
| Calcium    | 44-1  | 68923.96 | 68657.32 | 67884.96 | 68488.74   | 0.79    | ppb   |
| Chromium   | 52-2  | 1.01     | 1.04     | 0.95     | 1.00       | 4.68    | ppb   |
| Cobalt     | 59-2  | 0.37     | 0.36     | 0.34     | 0.35       | 3.71    | ppb   |
| Copper     | 63-2  | 4.66     | 4.68     | 4.69     | 4.68       | 0.38    | 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 |          |          |          | 93         |         | %     |
| Holmium    | 165-2 |          |          |          | 95         |         | %     |
| Indium     | 115-1 |          |          |          | 97         |         | %     |
| Indium     | 115-2 |          |          |          | 97         |         | %     |
| Iron       | 56-2  | 46.02    | 46.66    | 45.76    | 46.15      | 1.01    | ppb   |
| Iron       | 57-2  | 204.32   | 192.28   | 200.95   | 199.18     | 3.12    | ppb   |
| Lead       | 206-1 | 0.41     | 0.37     | 0.36     | 0.38       | 6.51    | ppb   |
| Lead       | 207-1 | 0.39     | 0.35     | 0.33     | 0.36       | 9.56    | ppb   |
| Lead       | 208-1 | 0.40     | 0.37     | 0.34     | 0.37       | 7.97    | ppb   |
| Lithium    | 6-1   |          |          |          | 105        |         | %     |
| Magnesium  | 24-2  | 5349.49  | 5292.78  | 5316.96  | 5319.74    | 0.53    | ppb   |
| Manganese  | 55-2  | 24.45    | 24.14    | 24.65    | 24.41      | 1.07    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:45:08 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 1.33     | 1.29     | 1.20     | 1.27       | 5.06    | ppb   |
| Molybdenum | 95-1  | 1.52     | 1.44     | 1.43     | 1.46       | 3.37    | ppb   |
| Molybdenum | 96-1  | 1.43     | 1.39     | 1.37     | 1.40       | 2.38    | ppb   |
| Molybdenum | 97-1  | 1.49     | 1.48     | 1.40     | 1.46       | 3.46    | ppb   |
| Molybdenum | 98-1  | 1.49     | 1.40     | 1.49     | 1.46       | 3.61    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 1.70     | 1.53     | 1.66     | 1.63       | 5.43    | ppb   |
| Phosphorus | 31-2  | 175.69   | 181.62   | 198.30   | 185.21     | 6.33    | ppb   |
| Potassium  | 39-2  | 4215.54  | 4183.93  | 4211.07  | 4203.51    | 0.41    | ppb   |
| Rhodium    | 103-1 |          |          |          | 86         |         | %     |
| Rhodium    | 103-2 |          |          |          | 90         |         | %     |
| Scandium   | 45-1  |          |          |          | 88         |         | %     |
| Scandium   | 45-2  |          |          |          | 90         |         | %     |
| Selenium   | 77-2  | 2.07     | 0.74     | 2.07     | 1.63       | 47.24   | ppb   |
| Selenium   | 78-2  | 0.12     | 0.55     | 0.42     | 0.36       | 60.61   | ppb   |
| Selenium   | 82-1  | 0.14     | 0.37     | 0.15     | 0.22       | 59.07   | ppb   |
| Silicon    | 28-1  | 6149.19  | 6108.02  | 6061.41  | 6106.20    | 0.72    | ppb   |
| Silver     | 109-1 | 0.54     | 0.51     | 0.48     | 0.51       | 5.91    | ppb   |
| Silver     | 107-1 | 0.50     | 0.51     | 0.47     | 0.49       | 4.69    | ppb   |
| Sodium     | 23-2  | 15178.44 | 14948.42 | 15021.31 | 15049.39   | 0.78    | ppb   |
| Strontium  | 86-1  | 206.83   | 205.99   | 205.61   | 206.14     | 0.31    | ppb   |
| Strontium  | 88-1  | 205.37   | 204.75   | 204.03   | 204.72     | 0.33    | ppb   |
| Sulfur     | 34-1  | 7552.69  | 7425.13  | 7374.23  | 7450.68    | 1.23    | ppb   |
| Terbium    | 159-1 |          |          |          | 92         |         | %     |
| Terbium    | 159-2 |          |          |          | 94         |         | %     |
| Thallium   | 203-1 | 0.49     | 0.27     | 0.19     | 0.31       | 49.11   | ppb   |
| Thallium   | 205-1 | 0.52     | 0.30     | 0.18     | 0.33       | 50.49   | ppb   |
| Thorium    | 232-1 | 0.39     | 0.35     | 0.29     | 0.34       | 15.64   | ppb   |
| Tin        | 118-1 | 4.23     | 4.14     | 4.01     | 4.12       | 2.69    | ppb   |
| Titanium   | 47-1  | 0.78     | 0.74     | 0.77     | 0.76       | 2.11    | ppb   |
| Uranium    | 238-1 | 0.41     | 0.43     | 0.44     | 0.42       | 3.17    | ppb   |
| Vanadium   | 51-2  | 2.48     | 2.46     | 2.40     | 2.45       | 1.75    | ppb   |
| Yttrium    | 89-1  |          |          |          | 89         |         | %     |
| Yttrium    | 89-2  |          |          |          | 93         |         | %     |
| Zinc       | 66-2  | 6.67     | 6.25     | 6.09     | 6.34       | 4.67    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:45:08 | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.19    | 0.18    | 0.17    | 0.18       | 6.65    | ppb   |
| Zirconium | 91-1 | 0.19    | 0.23    | 0.16    | 0.19       | 18.04   | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:48:43  | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 3.79     | 4.41     | 4.49     | 4.23       | 9.09    | ppb   |
| Antimony   | 121-1 | 2.53     | 2.58     | 2.65     | 2.59       | 2.34    | ppb   |
| Arsenic    | 75-2  | 2.68     | 2.85     | 2.68     | 2.74       | 3.71    | ppb   |
| Barium     | 135-1 | 50.31    | 51.06    | 51.14    | 50.84      | 0.90    | ppb   |
| Barium     | 137-1 | 50.66    | 51.05    | 51.32    | 51.01      | 0.66    | ppb   |
| Beryllium  | 9-1   | 0.01     | 0.02     | 0.02     | 0.02       | 36.76   | ppb   |
| Bismuth    | 209-1 |          |          |          | 90         |         | %     |
| Bismuth    | 209-2 |          |          |          | 89         |         | %     |
| Boron      | 10-1  | 92.01    | 92.38    | 92.53    | 92.31      | 0.29    | ppb   |
| Boron      | 11-1  | 95.63    | 95.20    | 96.54    | 95.79      | 0.72    | ppb   |
| Cadmium    | 111-1 | -0.04    | -0.02    | -0.05    | -0.04      |         | ppb   |
| Cadmium    | 106-1 | -2.62    | -1.66    | -3.45    | -2.58      |         | ppb   |
| Cadmium    | 108-1 | 0.07     | 0.11     | 0.06     | 0.08       | 34.58   | ppb   |
| Calcium    | 43-1  | 68499.06 | 68277.16 | 68783.59 | 68519.94   | 0.37    | ppb   |
| Calcium    | 44-1  | 69474.72 | 69160.11 | 69598.22 | 69411.02   | 0.33    | ppb   |
| Chromium   | 52-2  | 0.87     | 0.90     | 0.91     | 0.89       | 2.41    | ppb   |
| Cobalt     | 59-2  | 0.34     | 0.34     | 0.34     | 0.34       | 0.81    | ppb   |
| Copper     | 63-2  | 4.68     | 4.88     | 4.90     | 4.82       | 2.52    | 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 |          |          |          | 90         |         | %     |
| Holmium    | 165-2 |          |          |          | 91         |         | %     |
| Indium     | 115-1 |          |          |          | 90         |         | %     |
| Indium     | 115-2 |          |          |          | 90         |         | %     |
| Iron       | 56-2  | 47.61    | 48.19    | 47.81    | 47.87      | 0.61    | ppb   |
| Iron       | 57-2  | 205.41   | 200.72   | 211.02   | 205.72     | 2.51    | ppb   |
| Lead       | 206-1 | 0.25     | 0.23     | 0.24     | 0.24       | 4.64    | ppb   |
| Lead       | 207-1 | 0.24     | 0.24     | 0.24     | 0.24       | 0.64    | ppb   |
| Lead       | 208-1 | 0.24     | 0.23     | 0.24     | 0.24       | 1.82    | ppb   |
| Lithium    | 6-1   |          |          |          | 93         |         | %     |
| Magnesium  | 24-2  | 5313.04  | 5319.46  | 5282.55  | 5305.01    | 0.37    | ppb   |
| Manganese  | 55-2  | 25.16    | 24.68    | 24.60    | 24.82      | 1.22    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:48:43  | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 0.99     | 0.95     | 0.95     | 0.97       | 2.45    | ppb   |
| Molybdenum | 95-1  | 1.09     | 1.10     | 1.04     | 1.08       | 2.80    | ppb   |
| Molybdenum | 96-1  | 1.07     | 1.08     | 1.05     | 1.07       | 1.59    | ppb   |
| Molybdenum | 97-1  | 1.07     | 1.03     | 1.08     | 1.06       | 2.69    | ppb   |
| Molybdenum | 98-1  | 1.06     | 1.14     | 1.08     | 1.09       | 3.73    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 1.67     | 1.56     | 1.51     | 1.58       | 5.28    | ppb   |
| Phosphorus | 31-2  | 184.93   | 236.24   | 215.66   | 212.28     | 12.16   | ppb   |
| Potassium  | 39-2  | 4160.54  | 4177.41  | 4209.23  | 4182.39    | 0.59    | ppb   |
| Rhodium    | 103-1 |          |          |          | 82         |         | %     |
| Rhodium    | 103-2 |          |          |          | 86         |         | %     |
| Scandium   | 45-1  |          |          |          | 81         |         | %     |
| Scandium   | 45-2  |          |          |          | 84         |         | %     |
| Selenium   | 77-2  | 1.73     | 2.66     | 1.71     | 2.03       | 26.74   | ppb   |
| Selenium   | 78-2  | -0.15    | 0.54     | 0.75     | 0.38       | 124.17  | ppb   |
| Selenium   | 82-1  | 0.21     | 0.18     | -0.08    | 0.10       | 153.42  | ppb   |
| Silicon    | 28-1  | 6065.71  | 6014.71  | 5981.45  | 6020.62    | 0.70    | ppb   |
| Silver     | 109-1 | 0.27     | 0.27     | 0.29     | 0.28       | 3.87    | ppb   |
| Silver     | 107-1 | 0.31     | 0.27     | 0.30     | 0.29       | 6.89    | ppb   |
| Sodium     | 23-2  | 15127.22 | 15005.98 | 14998.00 | 15043.73   | 0.48    | ppb   |
| Strontium  | 86-1  | 208.74   | 209.43   | 207.56   | 208.58     | 0.45    | ppb   |
| Strontium  | 88-1  | 207.45   | 206.03   | 207.15   | 206.88     | 0.36    | ppb   |
| Sulfur     | 34-1  | 7439.99  | 7319.69  | 7406.27  | 7388.65    | 0.84    | ppb   |
| Terbium    | 159-1 |          |          |          | 90         |         | %     |
| Terbium    | 159-2 |          |          |          | 91         |         | %     |
| Thallium   | 203-1 | 0.05     | 0.04     | 0.04     | 0.04       | 22.08   | ppb   |
| Thallium   | 205-1 | 0.05     | 0.04     | 0.03     | 0.04       | 26.18   | ppb   |
| Thorium    | 232-1 | 0.12     | 0.11     | 0.12     | 0.12       | 5.23    | ppb   |
| Tin        | 118-1 | 3.26     | 3.27     | 3.49     | 3.34       | 3.85    | ppb   |
| Titanium   | 47-1  | 0.92     | 0.90     | 0.64     | 0.82       | 18.72   | ppb   |
| Uranium    | 238-1 | 0.43     | 0.42     | 0.44     | 0.43       | 3.21    | ppb   |
| Vanadium   | 51-2  | 2.57     | 2.61     | 2.53     | 2.57       | 1.69    | ppb   |
| Yttrium    | 89-1  |          |          |          | 85         |         | %     |
| Yttrium    | 89-2  |          |          |          | 88         |         | %     |
| Zinc       | 66-2  | 5.19     | 5.44     | 5.22     | 5.28       | 2.55    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:48:43  | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.14    | 0.15    | 0.12    | 0.14       | 11.27   | ppb   |
| Zirconium | 91-1 | 0.17    | 0.14    | 0.14    | 0.15       | 12.00   | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-09-19 14:52:17  | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 0.67     | 0.47     | 0.68     | 0.61       | 19.52   | ppb   |
| Antimony   | 121-1 | 0.58     | 0.63     | 0.64     | 0.62       | 5.19    | ppb   |
| Arsenic    | 75-2  | 0.53     | 0.59     | 0.46     | 0.53       | 13.16   | ppb   |
| Barium     | 135-1 | 9.80     | 10.44    | 10.14    | 10.13      | 3.18    | ppb   |
| Barium     | 137-1 | 10.10    | 10.14    | 9.89     | 10.04      | 1.35    | ppb   |
| Beryllium  | 9-1   | -0.01    | 0.01     | -0.01    | 0.00       |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 95         |         | %     |
| Bismuth    | 209-2 |          |          |          | 93         |         | %     |
| Boron      | 10-1  | 26.00    | 28.15    | 28.21    | 27.46      | 4.59    | ppb   |
| Boron      | 11-1  | 28.94    | 28.67    | 29.49    | 29.03      | 1.43    | ppb   |
| Cadmium    | 111-1 | -0.02    | -0.01    | -0.06    | -0.03      |         | ppb   |
| Cadmium    | 106-1 | -1.00    | -1.59    | -2.63    | -1.74      |         | ppb   |
| Cadmium    | 108-1 | 0.08     | -0.06    | 0.03     | 0.02       | 387.23  | ppb   |
| Calcium    | 43-1  | 13816.11 | 13945.08 | 13931.84 | 13897.68   | 0.51    | ppb   |
| Calcium    | 44-1  | 13859.30 | 13731.18 | 13774.25 | 13788.24   | 0.47    | ppb   |
| Chromium   | 52-2  | 0.22     | 0.25     | 0.22     | 0.23       | 7.03    | ppb   |
| Cobalt     | 59-2  | 0.07     | 0.08     | 0.07     | 0.07       | 6.53    | ppb   |
| Copper     | 63-2  | 1.23     | 1.33     | 1.44     | 1.33       | 7.63    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 96         |         | %     |
| Holmium    | 165-2 |          |          |          | 95         |         | %     |
| Indium     | 115-1 |          |          |          | 93         |         | %     |
| Indium     | 115-2 |          |          |          | 91         |         | %     |
| Iron       | 56-2  | 8.93     | 9.92     | 9.71     | 9.52       | 5.47    | ppb   |
| Iron       | 57-2  | 40.54    | 45.97    | 39.47    | 41.99      | 8.30    | ppb   |
| Lead       | 206-1 | 0.04     | 0.04     | 0.05     | 0.04       | 10.25   | ppb   |
| Lead       | 207-1 | 0.04     | 0.03     | 0.04     | 0.04       | 25.97   | ppb   |
| Lead       | 208-1 | 0.04     | 0.04     | 0.05     | 0.04       | 10.78   | ppb   |
| Lithium    | 6-1   |          |          |          | 88         |         | %     |
| Magnesium  | 24-2  | 1061.67  | 1140.73  | 1106.51  | 1102.97    | 3.59    | ppb   |
| Manganese  | 55-2  | 4.80     | 5.24     | 5.17     | 5.07       | 4.70    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-09-19 14:52:17  | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.19    | 0.26    | 0.19    | 0.21       | 18.27   | ppb   |
| Molybdenum | 95-1  | 0.24    | 0.24    | 0.18    | 0.22       | 15.75   | ppb   |
| Molybdenum | 96-1  | 0.21    | 0.22    | 0.22    | 0.21       | 3.07    | ppb   |
| Molybdenum | 97-1  | 0.21    | 0.23    | 0.25    | 0.23       | 8.70    | ppb   |
| Molybdenum | 98-1  | 0.24    | 0.23    | 0.26    | 0.24       | 6.47    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.30    | 0.31    | 0.32    | 0.31       | 3.22    | ppb   |
| Phosphorus | 31-2  | 39.26   | 52.53   | 48.86   | 46.89      | 14.61   | ppb   |
| Potassium  | 39-2  | 827.58  | 896.49  | 860.70  | 861.59     | 4.00    | ppb   |
| Rhodium    | 103-1 |         |         |         | 90         |         | %     |
| Rhodium    | 103-2 |         |         |         | 91         |         | %     |
| Scandium   | 45-1  |         |         |         | 86         |         | %     |
| Scandium   | 45-2  |         |         |         | 87         |         | %     |
| Selenium   | 77-2  | 0.30    | 0.79    | 0.31    | 0.47       | 60.53   | ppb   |
| Selenium   | 78-2  | -0.78   | -0.31   | 0.31    | -0.26      |         | ppb   |
| Selenium   | 82-1  | -0.26   | -0.25   | -0.05   | -0.19      |         | ppb   |
| Silicon    | 28-1  | 1199.17 | 1188.41 | 1196.83 | 1194.80    | 0.47    | ppb   |
| Silver     | 109-1 | 0.12    | 0.07    | 0.11    | 0.10       | 22.65   | ppb   |
| Silver     | 107-1 | 0.11    | 0.10    | 0.09    | 0.10       | 7.21    | ppb   |
| Sodium     | 23-2  | 2976.49 | 3206.74 | 3102.34 | 3095.19    | 3.72    | ppb   |
| Strontium  | 86-1  | 41.08   | 41.50   | 41.19   | 41.26      | 0.52    | ppb   |
| Strontium  | 88-1  | 40.94   | 40.69   | 40.80   | 40.81      | 0.31    | ppb   |
| Sulfur     | 34-1  | 1329.87 | 1294.85 | 1373.73 | 1332.82    | 2.97    | ppb   |
| Terbium    | 159-1 |         |         |         | 95         |         | %     |
| Terbium    | 159-2 |         |         |         | 94         |         | %     |
| Thallium   | 203-1 | 0.01    | 0.01    | 0.01    | 0.01       | 12.32   | ppb   |
| Thallium   | 205-1 | 0.01    | 0.01    | 0.01    | 0.01       | 22.50   | ppb   |
| Thorium    | 232-1 | 0.04    | 0.04    | 0.04    | 0.04       | 3.44    | ppb   |
| Tin        | 118-1 | 0.19    | 0.14    | 0.16    | 0.16       | 13.06   | ppb   |
| Titanium   | 47-1  | 0.13    | 0.21    | 0.15    | 0.17       | 24.19   | ppb   |
| Uranium    | 238-1 | 0.08    | 0.08    | 0.08    | 0.08       | 3.74    | ppb   |
| Vanadium   | 51-2  | 0.55    | 0.61    | 0.62    | 0.59       | 5.87    | ppb   |
| Yttrium    | 89-1  |         |         |         | 90         |         | %     |
| Yttrium    | 89-2  |         |         |         | 91         |         | %     |
| Zinc       | 66-2  | 0.61    | 0.82    | 0.63    | 0.68       | 16.74   | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-09-19 14:52:17  | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.05    | 0.04    | 0.03    | 0.04       | 28.95   | ppb   |
| Zirconium | 91-1 | 0.04    | 0.05    | 0.02    | 0.04       | 39.65   | ppb   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01MS Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913† Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 14:55:52 DataFile Name : 025SMPL.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 8831.56   | 8858.90   | 8802.83   | 8831.10    | 0.32    | ppb   |
| Antimony   | 121-1 | 490.32    | 487.70    | 490.23    | 489.42     | 0.30    | ppb   |
| Arsenic    | 75-2  | 484.10    | 486.55    | 487.73    | 486.13     | 0.38    | ppb   |
| Barium     | 135-1 | 2514.68   | 2508.50   | 2519.29   | 2514.15    | 0.22    | ppb   |
| Barium     | 137-1 | 2512.82   | 2516.48   | 2506.02   | 2511.77    | 0.21    | ppb   |
| Beryllium  | 9-1   | 446.24    | 447.77    | 447.52    | 447.17     | 0.18    | ppb   |
| Bismuth    | 209-1 |           |           |           | 88         |         | %     |
| Bismuth    | 209-2 |           |           |           | 86         |         | %     |
| Boron      | 10-1  | 507.53    | 521.09    | 531.62    | 520.08     | 2.32    | ppb   |
| Boron      | 11-1  | 516.39    | 529.32    | 538.82    | 528.18     | 2.13    | ppb   |
| Cadmium    | 111-1 | 485.51    | 490.79    | 488.03    | 488.11     | 0.54    | ppb   |
| Cadmium    | 106-1 | 470.46    | 475.41    | 482.22    | 476.03     | 1.24    | ppb   |
| Cadmium    | 108-1 | 480.91    | 476.02    | 483.30    | 480.08     | 0.77    | ppb   |
| Calcium    | 43-1  | 119059.30 | 119010.43 | 119291.48 | 119120.41  | 0.13    | ppb   |
| Calcium    | 44-1  | 119506.74 | 119025.42 | 119736.12 | 119422.76  | 0.30    | ppb   |
| Chromium   | 52-2  | 515.59    | 519.70    | 514.79    | 516.69     | 0.51    | ppb   |
| Cobalt     | 59-2  | 519.65    | 518.47    | 514.74    | 517.62     | 0.50    | ppb   |
| Copper     | 63-2  | 1064.67   | 1062.88   | 1055.31   | 1060.95    | 0.47    | 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 |           |           |           | 92         |         | %     |
| Holmium    | 165-2 |           |           |           | 92         |         | %     |
| Indium     | 115-1 |           |           |           | 86         |         | %     |
| Indium     | 115-2 |           |           |           | 86         |         | %     |
| Iron       | 56-2  | 26710.13  | 26650.32  | 26411.51  | 26590.65   | 0.59    | ppb   |
| Iron       | 57-2  | 26943.55  | 26959.82  | 26704.86  | 26869.41   | 0.53    | ppb   |
| Lead       | 206-1 | 491.96    | 498.08    | 498.97    | 496.33     | 0.77    | ppb   |
| Lead       | 207-1 | 476.83    | 482.18    | 484.35    | 481.12     | 0.80    | ppb   |
| Lead       | 208-1 | 485.46    | 490.11    | 492.40    | 489.32     | 0.72    | ppb   |
| Lithium    | 6-1   |           |           |           | 85         |         | %     |
| Magnesium  | 24-2  | 52589.22  | 52585.78  | 51835.16  | 52336.72   | 0.83    | ppb   |
| Manganese  | 55-2  | 1027.15   | 1036.39   | 1024.77   | 1029.43    | 0.60    | ppb   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01MS Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913f Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 14:55:52 DataFile Name : 025SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 2516.59  | 2502.94  | 2494.23  | 2504.59    | 0.45    | ppb   |
| Molybdenum | 95-1  | 2534.01  | 2501.21  | 2488.30  | 2507.84    | 0.94    | ppb   |
| Molybdenum | 96-1  | 2513.85  | 2493.06  | 2484.49  | 2497.13    | 0.60    | ppb   |
| Molybdenum | 97-1  | 2520.09  | 2490.83  | 2498.45  | 2503.12    | 0.61    | ppb   |
| Molybdenum | 98-1  | 2511.88  | 2488.72  | 2486.62  | 2495.74    | 0.56    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 543.34   | 544.61   | 537.99   | 541.98     | 0.65    | ppb   |
| Phosphorus | 31-2  | 211.37   | 214.92   | 210.64   | 212.31     | 1.08    | ppb   |
| Potassium  | 39-2  | 27568.86 | 27547.39 | 27237.38 | 27451.21   | 0.68    | ppb   |
| Rhodium    | 103-1 |          |          |          | 79         |         | %     |
| Rhodium    | 103-2 |          |          |          | 83         |         | %     |
| Scandium   | 45-1  |          |          |          | 78         |         | %     |
| Scandium   | 45-2  |          |          |          | 81         |         | %     |
| Selenium   | 77-2  | 481.85   | 483.32   | 498.78   | 487.98     | 1.92    | ppb   |
| Selenium   | 78-2  | 481.36   | 473.37   | 463.16   | 472.63     | 1.93    | ppb   |
| Selenium   | 82-1  | 482.08   | 482.82   | 482.90   | 482.60     | 0.09    | ppb   |
| Silicon    | 28-1  | 6386.02  | 6337.85  | 6292.77  | 6338.88    | 0.74    | ppb   |
| Silver     | 109-1 | 469.78   | 473.20   | 473.24   | 472.07     | 0.42    | ppb   |
| Silver     | 107-1 | 472.77   | 469.37   | 472.42   | 471.52     | 0.40    | ppb   |
| Sodium     | 23-2  | 61673.14 | 61581.06 | 60872.56 | 61375.58   | 0.71    | ppb   |
| Strontium  | 86-1  | 699.28   | 701.11   | 697.48   | 699.29     | 0.26    | ppb   |
| Strontium  | 88-1  | 711.17   | 710.61   | 705.60   | 709.13     | 0.43    | ppb   |
| Sulfur     | 34-1  | 7467.85  | 7497.28  | 7450.50  | 7471.88    | 0.32    | ppb   |
| Terbium    | 159-1 |          |          |          | 90         |         | %     |
| Terbium    | 159-2 |          |          |          | 91         |         | %     |
| Thallium   | 203-1 | 486.87   | 491.64   | 496.32   | 491.61     | 0.96    | ppb   |
| Thallium   | 205-1 | 487.61   | 492.26   | 493.67   | 491.18     | 0.65    | ppb   |
| Thorium    | 232-1 | 0.19     | 0.17     | 0.17     | 0.18       | 7.73    | ppb   |
| Tin        | 118-1 | 477.27   | 476.81   | 477.35   | 477.15     | 0.06    | ppb   |
| Titanium   | 47-1  | 2479.48  | 2474.02  | 2459.23  | 2470.91    | 0.42    | ppb   |
| Uranium    | 238-1 | 495.26   | 499.01   | 507.83   | 500.70     | 1.29    | ppb   |
| Vanadium   | 51-2  | 514.51   | 512.07   | 513.17   | 513.25     | 0.24    | ppb   |
| Yttrium    | 89-1  |          |          |          | 84         |         | %     |
| Yttrium    | 89-2  |          |          |          | 87         |         | %     |
| Zinc       | 66-2  | 1008.57  | 1017.08  | 1003.45  | 1009.70    | 0.68    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:55:52 | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 499.19  | 499.57  | 494.63  | 497.80     | 0.55    | ppb   |
| Zirconium | 91-1 | 487.29  | 486.68  | 483.69  | 485.88     | 0.40    | ppb   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01MSD Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913f Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 14:59:29 DataFile Name : 026SMPL.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 8457.52   | 8556.03   | 8516.65   | 8510.07    | 0.58    | ppb   |
| Antimony   | 121-1 | 482.82    | 467.93    | 476.62    | 475.79     | 1.57    | ppb   |
| Arsenic    | 75-2  | 474.54    | 474.19    | 473.49    | 474.07     | 0.11    | ppb   |
| Barium     | 135-1 | 2467.51   | 2390.74   | 2443.47   | 2433.91    | 1.61    | ppb   |
| Barium     | 137-1 | 2476.03   | 2399.48   | 2441.64   | 2439.05    | 1.57    | ppb   |
| Beryllium  | 9-1   | 442.74    | 437.50    | 440.08    | 440.11     | 0.60    | ppb   |
| Bismuth    | 209-1 |           |           |           | 88         |         | %     |
| Bismuth    | 209-2 |           |           |           | 86         |         | %     |
| Boron      | 10-1  | 520.58    | 533.41    | 534.65    | 529.55     | 1.47    | ppb   |
| Boron      | 11-1  | 531.86    | 545.20    | 559.39    | 545.48     | 2.52    | ppb   |
| Cadmium    | 111-1 | 480.27    | 468.26    | 480.52    | 476.35     | 1.47    | ppb   |
| Cadmium    | 106-1 | 470.45    | 458.15    | 473.91    | 467.50     | 1.77    | ppb   |
| Cadmium    | 108-1 | 474.01    | 462.74    | 464.61    | 467.12     | 1.29    | ppb   |
| Calcium    | 43-1  | 116329.56 | 115141.63 | 115985.96 | 115819.05  | 0.53    | ppb   |
| Calcium    | 44-1  | 116631.72 | 114922.15 | 115695.82 | 115749.89  | 0.74    | ppb   |
| Chromium   | 52-2  | 499.19    | 505.38    | 505.62    | 503.40     | 0.72    | ppb   |
| Cobalt     | 59-2  | 501.98    | 507.53    | 510.07    | 506.52     | 0.82    | ppb   |
| Copper     | 63-2  | 1034.00   | 1040.44   | 1040.54   | 1038.33    | 0.36    | 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 |           |           |           | 93         |         | %     |
| Holmium    | 165-2 |           |           |           | 92         |         | %     |
| Indium     | 115-1 |           |           |           | 86         |         | %     |
| Indium     | 115-2 |           |           |           | 86         |         | %     |
| Iron       | 56-2  | 25737.71  | 25921.68  | 25895.71  | 25851.70   | 0.39    | ppb   |
| Iron       | 57-2  | 25980.53  | 26065.06  | 26279.96  | 26108.51   | 0.59    | ppb   |
| Lead       | 206-1 | 486.12    | 481.66    | 486.31    | 484.70     | 0.54    | ppb   |
| Lead       | 207-1 | 473.43    | 470.40    | 471.08    | 471.64     | 0.34    | ppb   |
| Lead       | 208-1 | 480.75    | 476.61    | 478.34    | 478.57     | 0.44    | ppb   |
| Lithium    | 6-1   |           |           |           | 81         |         | %     |
| Magnesium  | 24-2  | 50494.34  | 50741.49  | 50487.61  | 50574.48   | 0.29    | ppb   |
| Manganese  | 55-2  | 994.21    | 1005.74   | 1008.72   | 1002.89    | 0.76    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01MSD          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913f | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:59:29  | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 2445.00  | 2396.85  | 2417.38  | 2419.74    | 1.00    | ppb   |
| Molybdenum | 95-1  | 2443.28  | 2406.10  | 2421.84  | 2423.74    | 0.77    | ppb   |
| Molybdenum | 96-1  | 2435.15  | 2408.03  | 2424.11  | 2422.43    | 0.56    | ppb   |
| Molybdenum | 97-1  | 2451.33  | 2423.85  | 2420.27  | 2431.81    | 0.70    | ppb   |
| Molybdenum | 98-1  | 2459.70  | 2425.31  | 2433.32  | 2439.45    | 0.74    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 521.96   | 532.08   | 530.29   | 528.11     | 1.02    | ppb   |
| Phosphorus | 31-2  | 212.11   | 195.70   | 181.85   | 196.55     | 7.71    | ppb   |
| Potassium  | 39-2  | 26591.52 | 26659.06 | 26549.90 | 26600.16   | 0.21    | ppb   |
| Rhodium    | 103-1 |          |          |          | 80         |         | %     |
| Rhodium    | 103-2 |          |          |          | 82         |         | %     |
| Scandium   | 45-1  |          |          |          | 78         |         | %     |
| Scandium   | 45-2  |          |          |          | 80         |         | %     |
| Selenium   | 77-2  | 449.03   | 440.39   | 476.80   | 455.41     | 4.18    | ppb   |
| Selenium   | 78-2  | 468.90   | 460.42   | 454.96   | 461.43     | 1.52    | ppb   |
| Selenium   | 82-1  | 475.07   | 465.09   | 471.94   | 470.70     | 1.08    | ppb   |
| Silicon    | 28-1  | 6164.82  | 6024.19  | 6068.21  | 6085.74    | 1.18    | ppb   |
| Silver     | 109-1 | 464.76   | 452.27   | 458.50   | 458.51     | 1.36    | ppb   |
| Silver     | 107-1 | 462.51   | 450.67   | 457.97   | 457.05     | 1.31    | ppb   |
| Sodium     | 23-2  | 59331.27 | 59785.82 | 59372.97 | 59496.69   | 0.42    | ppb   |
| Strontium  | 86-1  | 690.88   | 681.07   | 688.58   | 686.84     | 0.75    | ppb   |
| Strontium  | 88-1  | 697.76   | 686.72   | 691.47   | 691.98     | 0.80    | ppb   |
| Sulfur     | 34-1  | 7104.34  | 6935.02  | 7036.24  | 7025.20    | 1.21    | ppb   |
| Terbium    | 159-1 |          |          |          | 91         |         | %     |
| Terbium    | 159-2 |          |          |          | 90         |         | %     |
| Thallium   | 203-1 | 483.44   | 483.06   | 483.78   | 483.42     | 0.07    | ppb   |
| Thallium   | 205-1 | 481.11   | 483.73   | 485.60   | 483.48     | 0.47    | ppb   |
| Thorium    | 232-1 | 0.10     | 0.10     | 0.10     | 0.10       | 2.29    | ppb   |
| Tin        | 118-1 | 474.18   | 457.86   | 463.17   | 465.07     | 1.79    | ppb   |
| Titanium   | 47-1  | 2418.59  | 2384.06  | 2409.21  | 2403.95    | 0.74    | ppb   |
| Uranium    | 238-1 | 494.81   | 493.41   | 491.04   | 493.09     | 0.39    | ppb   |
| Vanadium   | 51-2  | 496.01   | 503.70   | 502.90   | 500.87     | 0.84    | ppb   |
| Yttrium    | 89-1  |          |          |          | 84         |         | %     |
| Yttrium    | 89-2  |          |          |          | 87         |         | %     |
| Zinc       | 66-2  | 975.55   | 992.85   | 994.20   | 987.53     | 1.05    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:59:29 | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 486.97  | 481.71  | 481.95  | 483.54     | 0.61    | ppb   |
| Zirconium | 91-1 | 474.35  | 466.04  | 472.54  | 470.97     | 0.93    | ppb   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01A Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913/ Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 15:03:05 DataFile Name : 027SMPL.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 8727.40   | 8614.21   | 8781.05   | 8707.55    | 0.98    | ppb   |
| Antimony   | 121-1 | 484.48    | 479.74    | 479.79    | 481.34     | 0.57    | ppb   |
| Arsenic    | 75-2  | 479.58    | 478.35    | 481.77    | 479.90     | 0.36    | ppb   |
| Barium     | 135-1 | 2482.49   | 2464.07   | 2453.55   | 2466.70    | 0.59    | ppb   |
| Barium     | 137-1 | 2467.81   | 2458.21   | 2463.83   | 2463.28    | 0.20    | ppb   |
| Beryllium  | 9-1   | 457.15    | 450.23    | 450.79    | 452.72     | 0.85    | ppb   |
| Bismuth    | 209-1 |           |           |           | 88         |         | %     |
| Bismuth    | 209-2 |           |           |           | 85         |         | %     |
| Boron      | 10-1  | 546.53    | 547.35    | 550.66    | 548.18     | 0.40    | ppb   |
| Boron      | 11-1  | 558.63    | 570.12    | 570.63    | 566.46     | 1.20    | ppb   |
| Cadmium    | 111-1 | 482.21    | 480.60    | 483.30    | 482.04     | 0.28    | ppb   |
| Cadmium    | 106-1 | 469.10    | 462.29    | 471.34    | 467.57     | 1.01    | ppb   |
| Cadmium    | 108-1 | 473.17    | 465.28    | 473.69    | 470.71     | 1.00    | ppb   |
| Calcium    | 43-1  | 118361.42 | 116643.74 | 117969.40 | 117658.19  | 0.77    | ppb   |
| Calcium    | 44-1  | 118472.11 | 116986.41 | 118070.18 | 117842.90  | 0.65    | ppb   |
| Chromium   | 52-2  | 514.37    | 516.58    | 518.75    | 516.57     | 0.42    | ppb   |
| Cobalt     | 59-2  | 520.40    | 524.89    | 525.97    | 523.75     | 0.56    | ppb   |
| Copper     | 63-2  | 1081.90   | 1069.85   | 1067.25   | 1073.00    | 0.73    | 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 |           |           |           | 92         |         | %     |
| Holmium    | 165-2 |           |           |           | 91         |         | %     |
| Indium     | 115-1 |           |           |           | 85         |         | %     |
| Indium     | 115-2 |           |           |           | 85         |         | %     |
| Iron       | 56-2  | 26798.64  | 26623.85  | 26612.29  | 26678.26   | 0.39    | ppb   |
| Iron       | 57-2  | 26831.65  | 26831.47  | 27045.94  | 26903.02   | 0.46    | ppb   |
| Lead       | 206-1 | 496.81    | 497.61    | 497.88    | 497.43     | 0.11    | ppb   |
| Lead       | 207-1 | 476.50    | 482.85    | 481.28    | 480.21     | 0.69    | ppb   |
| Lead       | 208-1 | 486.72    | 489.89    | 489.09    | 488.57     | 0.34    | ppb   |
| Lithium    | 6-1   |           |           |           | 78         |         | %     |
| Magnesium  | 24-2  | 51894.61  | 51699.96  | 51952.59  | 51849.05   | 0.26    | ppb   |
| Manganese  | 55-2  | 1024.36   | 1028.56   | 1033.38   | 1028.77    | 0.44    | ppb   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01A Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913/ Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 15:03:05 DataFile Name : 027SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Molybdenum | 94-1  | 2484.14  | 2449.47  | 2493.92  | 2475.84    | 0.94    | ppb   |
| Molybdenum | 95-1  | 2463.34  | 2448.95  | 2486.06  | 2466.11    | 0.76    | ppb   |
| Molybdenum | 96-1  | 2445.52  | 2441.24  | 2486.95  | 2457.91    | 1.03    | ppb   |
| Molybdenum | 97-1  | 2469.13  | 2462.43  | 2492.72  | 2474.76    | 0.64    | ppb   |
| Molybdenum | 98-1  | 2463.43  | 2458.89  | 2483.40  | 2468.57    | 0.53    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 545.56   | 544.49   | 548.41   | 546.15     | 0.37    | ppb   |
| Phosphorus | 31-2  | 179.15   | 214.99   | 181.72   | 191.95     | 10.41   | ppb   |
| Potassium  | 39-2  | 27290.31 | 27043.68 | 27275.92 | 27203.31   | 0.51    | ppb   |
| Rhodium    | 103-1 |          |          |          | 79         |         | %     |
| Rhodium    | 103-2 |          |          |          | 81         |         | %     |
| Scandium   | 45-1  |          |          |          | 76         |         | %     |
| Scandium   | 45-2  |          |          |          | 77         |         | %     |
| Selenium   | 77-2  | 504.60   | 486.83   | 465.85   | 485.76     | 3.99    | ppb   |
| Selenium   | 78-2  | 466.57   | 475.43   | 461.14   | 467.72     | 1.54    | ppb   |
| Selenium   | 82-1  | 474.34   | 472.70   | 481.61   | 476.22     | 1.00    | ppb   |
| Silicon    | 28-1  | 6157.94  | 6078.41  | 6119.35  | 6118.57    | 0.65    | ppb   |
| Silver     | 109-1 | 466.83   | 462.54   | 462.96   | 464.11     | 0.51    | ppb   |
| Silver     | 107-1 | 462.44   | 455.90   | 461.70   | 460.01     | 0.78    | ppb   |
| Sodium     | 23-2  | 61090.18 | 60708.57 | 60960.47 | 60919.74   | 0.32    | ppb   |
| Strontium  | 86-1  | 693.47   | 686.76   | 699.35   | 693.19     | 0.91    | ppb   |
| Strontium  | 88-1  | 702.36   | 694.32   | 702.43   | 699.70     | 0.67    | ppb   |
| Sulfur     | 34-1  | 7069.93  | 6886.82  | 6946.97  | 6967.91    | 1.34    | ppb   |
| Terbium    | 159-1 |          |          |          | 91         |         | %     |
| Terbium    | 159-2 |          |          |          | 90         |         | %     |
| Thallium   | 203-1 | 490.47   | 488.83   | 492.98   | 490.76     | 0.43    | ppb   |
| Thallium   | 205-1 | 490.90   | 492.77   | 491.43   | 491.70     | 0.20    | ppb   |
| Thorium    | 232-1 | 0.08     | 0.08     | 0.08     | 0.08       | 5.13    | ppb   |
| Tin        | 118-1 | 474.37   | 470.48   | 473.92   | 472.92     | 0.45    | ppb   |
| Titanium   | 47-1  | 2471.95  | 2440.09  | 2447.07  | 2453.04    | 0.68    | ppb   |
| Uranium    | 238-1 | 501.36   | 502.62   | 502.69   | 502.22     | 0.15    | ppb   |
| Vanadium   | 51-2  | 515.73   | 514.17   | 514.89   | 514.93     | 0.15    | ppb   |
| Yttrium    | 89-1  |          |          |          | 84         |         | %     |
| Yttrium    | 89-2  |          |          |          | 85         |         | %     |
| Zinc       | 66-2  | 1016.39  | 1015.62  | 1024.59  | 1018.87    | 0.49    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01A            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913/ | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:03:05  | DataFile Name :   | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 490.85  | 488.73  | 493.34  | 490.97     | 0.47    | ppb   |
| Zirconium | 91-1 | 478.16  | 475.18  | 483.71  | 479.01     | 0.90    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV05               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV05               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 15:07:07 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 50229.50  | 49653.26  | 49590.29  | 49824.35   | 0.71    | ppb   |
| Antimony   | 121-1 | 448.97    | 446.60    | 450.34    | 448.64     | 0.42    | ppb   |
| Arsenic    | 75-2  | 499.90    | 492.84    | 491.10    | 494.61     | 0.94    | ppb   |
| Barium     | 135-1 | 2590.03   | 2550.00   | 2567.34   | 2569.12    | 0.78    | ppb   |
| Barium     | 137-1 | 2588.29   | 2547.06   | 2564.68   | 2566.68    | 0.81    | ppb   |
| Beryllium  | 9-1   | 517.44    | 517.73    | 520.45    | 518.54     | 0.32    | ppb   |
| Bismuth    | 209-1 |           |           |           | 86         |         | %     |
| Bismuth    | 209-2 |           |           |           | 85         |         | %     |
| Boron      | 10-1  | 530.01    | 542.39    | 556.97    | 543.12     | 2.48    | ppb   |
| Boron      | 11-1  | 537.54    | 559.76    | 563.92    | 553.74     | 2.56    | ppb   |
| Cadmium    | 111-1 | 477.79    | 476.72    | 483.40    | 479.31     | 0.75    | ppb   |
| Cadmium    | 106-1 | 479.97    | 474.85    | 490.37    | 481.73     | 1.64    | ppb   |
| Cadmium    | 108-1 | 481.30    | 473.20    | 487.35    | 480.62     | 1.48    | ppb   |
| Calcium    | 43-1  | 241691.00 | 245071.61 | 242977.18 | 243246.60  | 0.70    | ppb   |
| Calcium    | 44-1  | 243764.60 | 246055.16 | 243367.76 | 244395.84  | 0.59    | ppb   |
| Chromium   | 52-2  | 542.23    | 533.80    | 534.38    | 536.80     | 0.88    | ppb   |
| Cobalt     | 59-2  | 512.29    | 505.71    | 505.06    | 507.69     | 0.79    | ppb   |
| Copper     | 63-2  | 1018.25   | 994.39    | 999.60    | 1004.08    | 1.25    | 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 |           |           |           | 97         |         | %     |
| Holmium    | 165-2 |           |           |           | 97         |         | %     |
| Indium     | 115-1 |           |           |           | 86         |         | %     |
| Indium     | 115-2 |           |           |           | 89         |         | %     |
| Iron       | 56-2  | 133218.59 | 130323.05 | 131044.84 | 131528.83  | 1.15    | ppb   |
| Iron       | 57-2  | 132914.30 | 130638.55 | 130898.44 | 131483.76  | 0.95    | ppb   |
| Lead       | 206-1 | 534.93    | 532.86    | 529.33    | 532.37     | 0.53    | ppb   |
| Lead       | 207-1 | 531.92    | 531.46    | 528.07    | 530.49     | 0.40    | ppb   |
| Lead       | 208-1 | 533.35    | 531.91    | 527.16    | 530.81     | 0.61    | ppb   |
| Lithium    | 6-1   |           |           |           | 79         |         | %     |
| Magnesium  | 24-2  | 236351.19 | 232602.61 | 233684.16 | 234212.65  | 0.82    | ppb   |
| Manganese  | 55-2  | 1034.71   | 1021.42   | 1020.29   | 1025.47    | 0.78    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV05               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV05               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 15:07:07 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Molybdenum | 94-1  | 2624.58   | 2605.11   | 2609.49   | 2613.06    | 0.39    | ppb   |
| Molybdenum | 95-1  | 2618.71   | 2607.80   | 2613.81   | 2613.44    | 0.21    | ppb   |
| Molybdenum | 96-1  | 2616.79   | 2605.87   | 2605.85   | 2609.50    | 0.24    | ppb   |
| Molybdenum | 97-1  | 2618.02   | 2603.62   | 2631.68   | 2617.77    | 0.54    | ppb   |
| Molybdenum | 98-1  | 2611.48   | 2609.33   | 2632.30   | 2617.70    | 0.48    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 529.35    | 520.60    | 523.21    | 524.39     | 0.86    | ppb   |
| Phosphorus | 31-2  | 9631.64   | 9949.70   | 10022.68  | 9868.01    | 2.11    | ppb   |
| Potassium  | 39-2  | 123774.57 | 122434.10 | 122567.56 | 122925.41  | 0.60    | ppb   |
| Rhodium    | 103-1 |           |           |           | 80         |         | %     |
| Rhodium    | 103-2 |           |           |           | 85         |         | %     |
| Scandium   | 45-1  |           |           |           | 84         |         | %     |
| Scandium   | 45-2  |           |           |           | 92         |         | %     |
| Selenium   | 77-2  | 480.15    | 496.19    | 484.26    | 486.86     | 1.71    | ppb   |
| Selenium   | 78-2  | 468.60    | 476.32    | 462.03    | 468.98     | 1.52    | ppb   |
| Selenium   | 82-1  | 471.10    | 472.36    | 474.51    | 472.66     | 0.36    | ppb   |
| Silicon    | 28-1  | 513.20    | 521.75    | 525.74    | 520.23     | 1.23    | ppb   |
| Silver     | 109-1 | 486.49    | 478.78    | 484.44    | 483.24     | 0.83    | ppb   |
| Silver     | 107-1 | 484.21    | 474.50    | 482.48    | 480.40     | 1.08    | ppb   |
| Sodium     | 23-2  | 239086.27 | 235748.04 | 235486.85 | 236773.72  | 0.85    | ppb   |
| Strontium  | 86-1  | 512.07    | 516.04    | 516.56    | 514.89     | 0.48    | ppb   |
| Strontium  | 88-1  | 514.38    | 516.79    | 516.99    | 516.05     | 0.28    | ppb   |
| Sulfur     | 34-1  | 9987.61   | 10105.66  | 9931.70   | 10008.32   | 0.89    | ppb   |
| Terbium    | 159-1 |           |           |           | 95         |         | %     |
| Terbium    | 159-2 |           |           |           | 96         |         | %     |
| Thallium   | 203-1 | 539.14    | 531.95    | 531.08    | 534.06     | 0.83    | ppb   |
| Thallium   | 205-1 | 537.15    | 531.12    | 533.70    | 533.99     | 0.57    | ppb   |
| Thorium    | 232-1 | 542.97    | 543.60    | 540.43    | 542.33     | 0.31    | ppb   |
| Tin        | 118-1 | 507.54    | 506.58    | 503.69    | 505.94     | 0.40    | ppb   |
| Titanium   | 47-1  | 2601.62   | 2594.73   | 2589.72   | 2595.36    | 0.23    | ppb   |
| Uranium    | 238-1 | 542.23    | 540.67    | 535.68    | 539.53     | 0.63    | ppb   |
| Vanadium   | 51-2  | 535.28    | 526.65    | 526.77    | 529.57     | 0.93    | ppb   |
| Yttrium    | 89-1  |           |           |           | 89         |         | %     |
| Yttrium    | 89-2  |           |           |           | 95         |         | %     |
| Zinc       | 66-2  | 971.44    | 943.59    | 954.91    | 956.65     | 1.46    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV05               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV05               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 15:07:07 | DataFile Name :   | 028CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 523.46  | 521.42  | 520.21  | 521.70     | 0.32    | ppb   |
| Zirconium | 91-1 | 506.42  | 507.01  | 510.03  | 507.82     | 0.38    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB05               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB05               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:12:00 | DataFile Name :   | 029CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.17    | -0.07   | 0.19    | 0.10       | 143.63  | ppb   |
| Antimony   | 121-1 | 0.15    | 0.14    | 0.13    | 0.14       | 7.74    | ppb   |
| Arsenic    | 75-2  | 0.01    | 0.00    | 0.00    | 0.01       | 125.41  | ppb   |
| Barium     | 135-1 | 0.03    | 0.01    | 0.02    | 0.02       | 35.00   | ppb   |
| Barium     | 137-1 | 0.04    | 0.01    | 0.02    | 0.03       | 48.01   | ppb   |
| Beryllium  | 9-1   | 0.06    | 0.05    | 0.06    | 0.06       | 12.67   | ppb   |
| Bismuth    | 209-1 |         |         |         | 98         |         | %     |
| Bismuth    | 209-2 |         |         |         | 101        |         | %     |
| Boron      | 10-1  | 30.28   | 29.58   | 28.33   | 29.40      | 3.36    | ppb   |
| Boron      | 11-1  | 30.16   | 29.39   | 28.87   | 29.47      | 2.20    | ppb   |
| Cadmium    | 111-1 | 0.04    | 0.01    | 0.01    | 0.02       | 88.87   | ppb   |
| Cadmium    | 106-1 | -0.79   | -1.78   | -1.26   | -1.28      |         | ppb   |
| Cadmium    | 108-1 | 0.08    | 0.08    | 0.10    | 0.08       | 16.15   | ppb   |
| Calcium    | 43-1  | 1.42    | 1.23    | 0.57    | 1.07       | 41.81   | ppb   |
| Calcium    | 44-1  | -0.37   | -0.73   | -0.39   | -0.50      |         | ppb   |
| Chromium   | 52-2  | 0.00    | 0.02    | 0.00    | 0.01       | 176.40  | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.01    | 0.00    | 0.00       | 85.51   | ppb   |
| Copper     | 63-2  | 0.32    | 0.34    | 0.29    | 0.31       | 7.37    | 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 |         |         |         | 98         |         | %     |
| Holmium    | 165-2 |         |         |         | 103        |         | %     |
| Indium     | 115-1 |         |         |         | 96         |         | %     |
| Indium     | 115-2 |         |         |         | 101        |         | %     |
| Iron       | 56-2  | 1.04    | 0.83    | 0.94    | 0.93       | 11.19   | ppb   |
| Iron       | 57-2  | 0.89    | 0.57    | 0.29    | 0.59       | 50.85   | ppb   |
| Lead       | 206-1 | 0.02    | 0.03    | 0.02    | 0.02       | 26.61   | ppb   |
| Lead       | 207-1 | 0.00    | 0.01    | 0.02    | 0.01       | 72.30   | ppb   |
| Lead       | 208-1 | 0.02    | 0.02    | 0.02    | 0.02       | 14.66   | ppb   |
| Lithium    | 6-1   |         |         |         | 89         |         | %     |
| Magnesium  | 24-2  | 2.36    | 2.17    | 2.15    | 2.23       | 5.09    | ppb   |
| Manganese  | 55-2  | 0.01    | 0.02    | 0.02    | 0.02       | 31.45   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB05               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB05               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:12:00 | DataFile Name :   | 029CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Molybdenum | 94-1  | 0.28    | 0.23    | 0.20    | 0.24       | 17.73   | ppb   |
| Molybdenum | 95-1  | 0.29    | 0.22    | 0.27    | 0.26       | 15.08   | ppb   |
| Molybdenum | 96-1  | 0.28    | 0.27    | 0.23    | 0.26       | 10.22   | ppb   |
| Molybdenum | 97-1  | 0.30    | 0.26    | 0.26    | 0.28       | 7.61    | ppb   |
| Molybdenum | 98-1  | 0.28    | 0.28    | 0.28    | 0.28       | 1.06    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.00    | 0.00    | -0.02   | 0.00       |         | ppb   |
| Phosphorus | 31-2  | -8.91   | -9.06   | -6.72   | -8.23      |         | ppb   |
| Potassium  | 39-2  | 0.25    | -2.79   | -3.88   | -2.14      |         | ppb   |
| Rhodium    | 103-1 |         |         |         | 94         |         | %     |
| Rhodium    | 103-2 |         |         |         | 101        |         | %     |
| Scandium   | 45-1  |         |         |         | 90         |         | %     |
| Scandium   | 45-2  |         |         |         | 98         |         | %     |
| Selenium   | 77-2  | -0.14   | -0.14   | -0.14   | -0.14      |         | ppb   |
| Selenium   | 78-2  | -0.37   | -0.31   | -0.77   | -0.48      |         | ppb   |
| Selenium   | 82-1  | -0.09   | -0.39   | -0.05   | -0.18      |         | ppb   |
| Silicon    | 28-1  | 0.62    | 0.29    | 0.31    | 0.41       | 44.59   | ppb   |
| Silver     | 109-1 | 0.07    | 0.07    | 0.08    | 0.07       | 9.13    | ppb   |
| Silver     | 107-1 | 0.08    | 0.07    | 0.08    | 0.08       | 5.84    | ppb   |
| Sodium     | 23-2  | 35.98   | 32.92   | 30.65   | 33.18      | 8.07    | ppb   |
| Strontium  | 86-1  | 0.01    | 0.02    | 0.00    | 0.01       | 86.58   | ppb   |
| Strontium  | 88-1  | 0.01    | 0.00    | 0.00    | 0.00       | 42.88   | ppb   |
| Sulfur     | 34-1  | -470.74 | -439.90 | -349.25 | -419.96    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 98         |         | %     |
| Terbium    | 159-2 |         |         |         | 103        |         | %     |
| Thallium   | 203-1 | 0.07    | 0.05    | 0.06    | 0.06       | 18.15   | ppb   |
| Thallium   | 205-1 | 0.06    | 0.06    | 0.06    | 0.06       | 6.74    | ppb   |
| Thorium    | 232-1 | 0.05    | 0.05    | 0.05    | 0.05       | 6.57    | ppb   |
| Tin        | 118-1 | 0.02    | 0.01    | 0.03    | 0.02       | 41.86   | ppb   |
| Titanium   | 47-1  | 0.07    | 0.02    | 0.02    | 0.04       | 75.54   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | 27.54   | ppb   |
| Vanadium   | 51-2  | 0.01    | 0.01    | 0.01    | 0.01       | 32.62   | ppb   |
| Yttrium    | 89-1  |         |         |         | 94         |         | %     |
| Yttrium    | 89-2  |         |         |         | 102        |         | %     |
| Zinc       | 66-2  | -0.75   | -0.69   | -0.76   | -0.74      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB05               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB05               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:12:00 | DataFile Name :   | 029CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.04    | 0.02    | 0.02    | 0.03       | 25.82   | ppb   |
| Zirconium | 91-1 | 0.01    | 0.01    | 0.03    | 0.01       | 81.68   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 12:55:28 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 142      | 108      | 183      | 144      | 26.01  | cps   |
| Antimony   | 121-1 | 58       | 108      | 42       | 69       | 49.96  | cps   |
| Arsenic    | 75-2  | 11       | 6        | 4        | 7        | 56.78  | cps   |
| Barium     | 135-1 | 33       | 42       | 75       | 50       | 44.10  | cps   |
| Barium     | 137-1 | 42       | 50       | 75       | 56       | 31.22  | cps   |
| Beryllium  | 9-1   | 89       | 94       | 100      | 94       | 5.88   | cps   |
| Bismuth    | 209-1 | 12818115 | 12840210 | 12506694 | 12721673 | 1.47   | cps   |
| Bismuth    | 209-2 | 7418205  | 7008545  | 7053296  | 7160015  | 3.14   | cps   |
| Boron      | 10-1  | 1125     | 1000     | 1042     | 1056     | 6.03   | cps   |
| Boron      | 11-1  | 4743     | 4968     | 5301     | 5004     | 5.62   | cps   |
| Cadmium    | 111-1 | 1082     | 954      | 1009     | 1015     | 6.28   | cps   |
| Cadmium    | 106-1 | 5426     | 4768     | 5076     | 5090     | 6.47   | cps   |
| Cadmium    | 108-1 | 4        | 8        | 21       | 11       | 78.05  | cps   |
| Calcium    | 43-1  | 408      | 367      | 333      | 369      | 10.17  | cps   |
| Calcium    | 44-1  | 11489    | 10880    | 11122    | 11164    | 2.75   | cps   |
| Chromium   | 52-2  | 613      | 610      | 567      | 597      | 4.36   | cps   |
| Cobalt     | 59-2  | 33       | 53       | 83       | 57       | 44.42  | cps   |
| Copper     | 63-2  | 1510     | 1427     | 1547     | 1495     | 4.12   | cps   |
| Dysprosium | 156-1 | 8        | 33       | 8        | 17       | 86.62  | cps   |
| Dysprosium | 156-2 | 7        | 3        | 3        | 4        | 43.40  | cps   |
| Erbium     | 164-1 | 25       | 25       | 50       | 33       | 43.30  | cps   |
| Erbium     | 164-2 | 27       | 33       | 33       | 31       | 12.36  | cps   |
| Gadolinium | 160-1 | 125      | 117      | 117      | 119      | 4.03   | cps   |
| Gadolinium | 160-2 | 240      | 233      | 257      | 243      | 4.94   | cps   |
| Holmium    | 165-1 | 19707892 | 19711763 | 19341573 | 19587076 | 1.09   | cps   |
| Holmium    | 165-2 | 10220200 | 9628698  | 9673482  | 9840793  | 3.35   | cps   |
| Indium     | 115-1 | 15354802 | 15546978 | 15031469 | 15311083 | 1.70   | cps   |
| Indium     | 115-2 | 2866917  | 2690565  | 2695210  | 2750897  | 3.65   | cps   |
| Iron       | 56-2  | 3895     | 3706     | 3917     | 3840     | 3.02   | cps   |
| Iron       | 57-2  | 139      | 144      | 178      | 154      | 13.68  | cps   |
| Lead       | 206-1 | 344      | 378      | 311      | 344      | 9.68   | cps   |
| Lead       | 207-1 | 361      | 311      | 333      | 335      | 7.48   | cps   |
| Lead       | 208-1 | 1517     | 1522     | 1472     | 1504     | 1.82   | cps   |
| Lithium    | 6-1   | 6169285  | 6131588  | 6041608  | 6114160  | 1.07   | cps   |
| Magnesium  | 24-2  | 183      | 142      | 100      | 142      | 29.41  | cps   |
| Manganese  | 55-2  | 67       | 60       | 83       | 70       | 17.17  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 12:55:28 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 425      | 483      | 458      | 456      | 6.42   | cps   |
| Molybdenum | 95-1  | 50       | 75       | 108      | 78       | 37.63  | cps   |
| Molybdenum | 96-1  | 233      | 225      | 142      | 200      | 25.35  | cps   |
| Molybdenum | 97-1  | 67       | 58       | 67       | 64       | 7.53   | cps   |
| Molybdenum | 98-1  | 150      | 100      | 92       | 114      | 27.70  | cps   |
| Neodymium  | 150-1 | 7        | 0        | 7        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 60       | 57       | 77       | 64       | 16.63  | cps   |
| Phosphorus | 31-2  | 117      | 267      | 117      | 167      | 51.96  | cps   |
| Potassium  | 39-2  | 12564    | 12723    | 13056    | 12781    | 1.97   | cps   |
| Rhodium    | 103-1 | 14592485 | 14582873 | 14270058 | 14481805 | 1.27   | cps   |
| Rhodium    | 103-2 | 6784969  | 6415531  | 6393722  | 6531408  | 3.37   | cps   |
| Scandium   | 45-1  | 10919741 | 10945141 | 10706746 | 10857209 | 1.21   | cps   |
| Scandium   | 45-2  | 444603   | 425248   | 423258   | 431037   | 2.74   | cps   |
| Selenium   | 77-2  | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 48       | 69       | 41       | 52       | 27.42  | cps   |
| Selenium   | 82-1  | 23       | 83       | 26       | 44       | 76.11  | cps   |
| Silicon    | 28-1  | 242596   | 243456   | 244219   | 243424   | 0.33   | cps   |
| Silver     | 109-1 | 67       | 83       | 75       | 75       | 11.11  | cps   |
| Silver     | 107-1 | 100      | 133      | 208      | 147      | 37.69  | cps   |
| Sodium     | 23-2  | 10562    | 10079    | 9995     | 10212    | 3.00   | cps   |
| Strontium  | 86-1  | 542      | 475      | 517      | 511      | 6.59   | cps   |
| Strontium  | 88-1  | 758      | 817      | 650      | 742      | 11.40  | cps   |
| Sulfur     | 34-1  | 227813   | 231556   | 229999   | 229789   | 0.82   | cps   |
| Terbium    | 159-1 | 20546890 | 20585450 | 20148815 | 20427052 | 1.18   | cps   |
| Terbium    | 159-2 | 10238770 | 9608070  | 9607865  | 9818235  | 3.71   | cps   |
| Thallium   | 203-1 | 175      | 158      | 150      | 161      | 7.90   | cps   |
| Thallium   | 205-1 | 433      | 442      | 475      | 450      | 4.90   | cps   |
| Thorium    | 232-1 | 206      | 256      | 328      | 263      | 23.37  | cps   |
| Tin        | 118-1 | 2984     | 3017     | 3267     | 3089     | 5.01   | cps   |
| Titanium   | 47-1  | 133      | 117      | 108      | 119      | 10.66  | cps   |
| Uranium    | 238-1 | 92       | 92       | 100      | 94       | 5.09   | cps   |
| Vanadium   | 51-2  | 3        | 10       | 20       | 11       | 75.52  | cps   |
| Yttrium    | 89-1  | 16512806 | 16538816 | 16219446 | 16423690 | 1.08   | cps   |
| Yttrium    | 89-2  | 2215632  | 2105377  | 2101145  | 2140718  | 3.03   | cps   |
| Zinc       | 66-2  | 1090     | 1053     | 1043     | 1062     | 2.31   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 12:55:28 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1317 | 1333 | 1242 | 1297    | 3.76   | cps   |
| Zirconium | 91-1 | 250  | 258  | 267  | 258     | 3.23   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:03:57 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2392     | 2525     | 2650     | 2523     | 5.12   | cps   |
| Antimony   | 121-1 | 19272    | 20149    | 19664    | 19695    | 2.23   | cps   |
| Arsenic    | 75-2  | 346      | 407      | 413      | 389      | 9.51   | cps   |
| Barium     | 135-1 | 26150    | 25048    | 25341    | 25513    | 2.24   | cps   |
| Barium     | 137-1 | 45224    | 44949    | 44765    | 44979    | 0.51   | cps   |
| Beryllium  | 9-1   | 3439     | 3250     | 3189     | 3293     | 3.96   | cps   |
| Bismuth    | 209-1 | 12142969 | 12668829 | 12942515 | 12584771 | 3.23   | cps   |
| Bismuth    | 209-2 | 7715963  | 7661789  | 7140132  | 7505961  | 4.24   | cps   |
| Boron      | 10-1  | 11780    | 11947    | 12814    | 12180    | 4.56   | cps   |
| Boron      | 11-1  | 52985    | 54081    | 55569    | 54212    | 2.39   | cps   |
| Cadmium    | 111-1 | 3553     | 3618     | 3654     | 3608     | 1.41   | cps   |
| Cadmium    | 106-1 | 5276     | 5476     | 5660     | 5471     | 3.51   | cps   |
| Cadmium    | 108-1 | 229      | 229      | 296      | 251      | 15.31  | cps   |
| Calcium    | 43-1  | 17486    | 18078    | 18521    | 18028    | 2.88   | cps   |
| Calcium    | 44-1  | 301848   | 301192   | 301336   | 301459   | 0.11   | cps   |
| Chromium   | 52-2  | 8096     | 8186     | 8396     | 8226     | 1.87   | cps   |
| Cobalt     | 59-2  | 5511     | 6041     | 5778     | 5777     | 4.59   | cps   |
| Copper     | 63-2  | 9373     | 9497     | 9166     | 9345     | 1.79   | cps   |
| Dysprosium | 156-1 | 25       | 8        | 33       | 22       | 57.29  | cps   |
| Dysprosium | 156-2 | 0        | 0        | 10       | 3        | 173.21 | cps   |
| Erbium     | 164-1 | 50       | 108      | 58       | 72       | 43.68  | cps   |
| Erbium     | 164-2 | 47       | 43       | 37       | 42       | 12.06  | cps   |
| Gadolinium | 160-1 | 100      | 175      | 117      | 131      | 30.16  | cps   |
| Gadolinium | 160-2 | 263      | 257      | 287      | 269      | 5.86   | cps   |
| Holmium    | 165-1 | 18788241 | 19641584 | 19984088 | 19471305 | 3.16   | cps   |
| Holmium    | 165-2 | 10755312 | 10657219 | 9885417  | 10432649 | 4.57   | cps   |
| Indium     | 115-1 | 14633428 | 15359455 | 15781739 | 15258207 | 3.81   | cps   |
| Indium     | 115-2 | 3016741  | 2991462  | 2800974  | 2936392  | 4.02   | cps   |
| Iron       | 56-2  | 152916   | 151832   | 152320   | 152356   | 0.36   | cps   |
| Iron       | 57-2  | 3928     | 4256     | 4001     | 4062     | 4.24   | cps   |
| Lead       | 206-1 | 8853     | 8803     | 8681     | 8779     | 1.01   | cps   |
| Lead       | 207-1 | 8492     | 8197     | 8181     | 8290     | 2.11   | cps   |
| Lead       | 208-1 | 37249    | 36715    | 37016    | 36994    | 0.72   | cps   |
| Lithium    | 6-1   | 5818963  | 6058366  | 6216163  | 6031164  | 3.32   | cps   |
| Magnesium  | 24-2  | 141536   | 141603   | 141336   | 141492   | 0.10   | cps   |
| Manganese  | 55-2  | 2104     | 2077     | 2340     | 2174     | 6.67   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:03:57 | DataFile Name :   | 005CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 23403    | 22510    | 23145    | 23019    | 2.00   | cps   |
| Molybdenum | 95-1  | 27052    | 27753    | 27494    | 27433    | 1.29   | cps   |
| Molybdenum | 96-1  | 29205    | 30066    | 31043    | 30105    | 3.05   | cps   |
| Molybdenum | 97-1  | 16794    | 16952    | 17136    | 16961    | 1.01   | cps   |
| Molybdenum | 98-1  | 43843    | 42874    | 43910    | 43542    | 1.33   | cps   |
| Neodymium  | 150-1 | 7        | 0        | 7        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 1767     | 1617     | 1713     | 1699     | 4.48   | cps   |
| Phosphorus | 31-2  | 142      | 133      | 142      | 139      | 3.46   | cps   |
| Potassium  | 39-2  | 138389   | 137701   | 139003   | 138364   | 0.47   | cps   |
| Rhodium    | 103-1 | 13880662 | 14533303 | 14715113 | 14376359 | 3.05   | cps   |
| Rhodium    | 103-2 | 7170399  | 7057264  | 6624855  | 6950839  | 4.14   | cps   |
| Scandium   | 45-1  | 10462104 | 10857429 | 11144947 | 10821493 | 3.17   | cps   |
| Scandium   | 45-2  | 481329   | 477736   | 448942   | 469335   | 3.78   | cps   |
| Selenium   | 77-2  | 67       | 53       | 40       | 53       | 25.00  | cps   |
| Selenium   | 78-2  | 207      | 211      | 231      | 217      | 5.98   | cps   |
| Selenium   | 82-1  | 1103     | 1082     | 1067     | 1084     | 1.69   | cps   |
| Silicon    | 28-1  | 365000   | 362730   | 367073   | 364934   | 0.60   | cps   |
| Silver     | 109-1 | 14324    | 13857    | 13190    | 13791    | 4.13   | cps   |
| Silver     | 107-1 | 14358    | 14266    | 13782    | 14135    | 2.19   | cps   |
| Sodium     | 23-2  | 279159   | 283862   | 277711   | 280244   | 1.15   | cps   |
| Strontium  | 86-1  | 3867     | 4109     | 4059     | 4012     | 3.18   | cps   |
| Strontium  | 88-1  | 31435    | 32487    | 31970    | 31964    | 1.65   | cps   |
| Sulfur     | 34-1  | 230166   | 228820   | 227738   | 228908   | 0.53   | cps   |
| Terbium    | 159-1 | 19581868 | 20387036 | 20813481 | 20260795 | 3.09   | cps   |
| Terbium    | 159-2 | 10732143 | 10596887 | 9832498  | 10387176 | 4.67   | cps   |
| Thallium   | 203-1 | 10763    | 10663    | 10555    | 10660    | 0.98   | cps   |
| Thallium   | 205-1 | 25150    | 25993    | 25559    | 25567    | 1.65   | cps   |
| Thorium    | 232-1 | 37465    | 38401    | 37654    | 37840    | 1.31   | cps   |
| Tin        | 118-1 | 46027    | 46018    | 46645    | 46230    | 0.78   | cps   |
| Titanium   | 47-1  | 8861     | 8436     | 8678     | 8658     | 2.46   | cps   |
| Uranium    | 238-1 | 36511    | 36010    | 36912    | 36477    | 1.24   | cps   |
| Vanadium   | 51-2  | 13987    | 14060    | 13977    | 14008    | 0.33   | cps   |
| Yttrium    | 89-1  | 15786390 | 16509054 | 16847312 | 16380919 | 3.31   | cps   |
| Yttrium    | 89-2  | 2405916  | 2383644  | 2237825  | 2342462  | 3.90   | cps   |
| Zinc       | 66-2  | 2500     | 2590     | 2384     | 2491     | 4.16   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:03:57 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zirconium | 90-1 | 20048 | 20465 | 20257 | 20257   | 1.03   | cps   |
| Zirconium | 91-1 | 4634  | 4259  | 4451  | 4448    | 4.22   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:07:51 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 116954   | 115074   | 114360   | 115463   | 1.16   | cps   |
| Antimony   | 121-1 | 496310   | 496607   | 499139   | 497352   | 0.31   | cps   |
| Arsenic    | 75-2  | 17225    | 17355    | 17205    | 17262    | 0.47   | cps   |
| Barium     | 135-1 | 644281   | 642516   | 645476   | 644091   | 0.23   | cps   |
| Barium     | 137-1 | 1112886  | 1118860  | 1124022  | 1118589  | 0.50   | cps   |
| Beryllium  | 9-1   | 159665   | 158911   | 158564   | 159046   | 0.35   | cps   |
| Bismuth    | 209-1 | 12525097 | 12550854 | 12634806 | 12570253 | 0.46   | cps   |
| Bismuth    | 209-2 | 7412034  | 7373062  | 7337822  | 7374306  | 0.50   | cps   |
| Boron      | 10-1  | 23644    | 23936    | 24395    | 23992    | 1.58   | cps   |
| Boron      | 11-1  | 107245   | 106994   | 111803   | 108681   | 2.49   | cps   |
| Cadmium    | 111-1 | 135204   | 133534   | 135187   | 134642   | 0.71   | cps   |
| Cadmium    | 106-1 | 19873    | 19873    | 19973    | 19906    | 0.29   | cps   |
| Cadmium    | 108-1 | 10325    | 10287    | 10633    | 10415    | 1.82   | cps   |
| Calcium    | 43-1  | 183618   | 183246   | 182183   | 183016   | 0.41   | cps   |
| Calcium    | 44-1  | 2879200  | 2829151  | 2832819  | 2847057  | 0.98   | cps   |
| Chromium   | 52-2  | 169265   | 169232   | 165783   | 168093   | 1.19   | cps   |
| Cobalt     | 59-2  | 267414   | 269764   | 265043   | 267407   | 0.88   | cps   |
| Copper     | 63-2  | 378377   | 374184   | 372185   | 374915   | 0.84   | cps   |
| Dysprosium | 156-1 | 17       | 33       | 17       | 22       | 43.28  | cps   |
| Dysprosium | 156-2 | 13       | 10       | 3        | 9        | 57.30  | cps   |
| Erbium     | 164-1 | 50       | 42       | 58       | 50       | 16.67  | cps   |
| Erbium     | 164-2 | 57       | 50       | 33       | 47       | 25.76  | cps   |
| Gadolinium | 160-1 | 67       | 83       | 67       | 72       | 13.33  | cps   |
| Gadolinium | 160-2 | 283      | 277      | 323      | 294      | 8.57   | cps   |
| Holmium    | 165-1 | 19493432 | 19457777 | 19489569 | 19480259 | 0.10   | cps   |
| Holmium    | 165-2 | 10423620 | 10313816 | 10284028 | 10340488 | 0.71   | cps   |
| Indium     | 115-1 | 15166547 | 15138382 | 15005431 | 15103453 | 0.57   | cps   |
| Indium     | 115-2 | 2872006  | 2835288  | 2817834  | 2841709  | 0.97   | cps   |
| Iron       | 56-2  | 6992545  | 6975938  | 6921015  | 6963166  | 0.54   | cps   |
| Iron       | 57-2  | 172557   | 170939   | 169371   | 170956   | 0.93   | cps   |
| Lead       | 206-1 | 424587   | 429813   | 426870   | 427090   | 0.61   | cps   |
| Lead       | 207-1 | 392881   | 390402   | 392947   | 392077   | 0.37   | cps   |
| Lead       | 208-1 | 1751483  | 1752228  | 1753586  | 1752432  | 0.06   | cps   |
| Lithium    | 6-1   | 6037166  | 6029395  | 6031402  | 6032654  | 0.07   | cps   |
| Magnesium  | 24-2  | 1364626  | 1343494  | 1338350  | 1348823  | 1.03   | cps   |
| Manganese  | 55-2  | 200739   | 198952   | 197017   | 198902   | 0.94   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:07:51 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 1094508  | 1094886  | 1088782  | 1092725  | 0.31   | cps   |
| Molybdenum | 95-1  | 1325948  | 1330041  | 1335762  | 1330584  | 0.37   | cps   |
| Molybdenum | 96-1  | 1475566  | 1476963  | 1476879  | 1476469  | 0.05   | cps   |
| Molybdenum | 97-1  | 849191   | 839700   | 840822   | 843238   | 0.62   | cps   |
| Molybdenum | 98-1  | 2141088  | 2119585  | 2131262  | 2130645  | 0.51   | cps   |
| Neodymium  | 150-1 | 67       | 47       | 33       | 49       | 34.32  | cps   |
| Neodymium  | 150-2 | 10       | 10       | 7        | 9        | 21.63  | cps   |
| Nickel     | 60-2  | 71363    | 71037    | 69500    | 70633    | 1.41   | cps   |
| Phosphorus | 31-2  | 6468     | 6477     | 7185     | 6710     | 6.13   | cps   |
| Potassium  | 39-2  | 614281   | 610875   | 605269   | 610142   | 0.75   | cps   |
| Rhodium    | 103-1 | 14134099 | 14103623 | 14124495 | 14120739 | 0.11   | cps   |
| Rhodium    | 103-2 | 6740349  | 6678598  | 6648608  | 6689185  | 0.70   | cps   |
| Scandium   | 45-1  | 10677938 | 10578960 | 10495656 | 10584185 | 0.86   | cps   |
| Scandium   | 45-2  | 452109   | 451483   | 445068   | 449553   | 0.87   | cps   |
| Selenium   | 77-2  | 470      | 483      | 417      | 457      | 7.72   | cps   |
| Selenium   | 78-2  | 1600     | 1643     | 1598     | 1614     | 1.56   | cps   |
| Selenium   | 82-1  | 10710    | 10646    | 10509    | 10622    | 0.96   | cps   |
| Silicon    | 28-1  | 698931   | 697356   | 702190   | 699492   | 0.35   | cps   |
| Silver     | 109-1 | 685261   | 683367   | 688720   | 685783   | 0.40   | cps   |
| Silver     | 107-1 | 707219   | 709647   | 708951   | 708606   | 0.18   | cps   |
| Sodium     | 23-2  | 2598309  | 2558771  | 2544075  | 2567052  | 1.09   | cps   |
| Strontium  | 86-1  | 178268   | 176724   | 176082   | 177025   | 0.63   | cps   |
| Strontium  | 88-1  | 1511940  | 1523500  | 1498813  | 1511417  | 0.82   | cps   |
| Sulfur     | 34-1  | 290227   | 285560   | 285775   | 287188   | 0.92   | cps   |
| Terbium    | 159-1 | 20346909 | 20228646 | 20174499 | 20250018 | 0.44   | cps   |
| Terbium    | 159-2 | 10284229 | 10284270 | 10191540 | 10253346 | 0.52   | cps   |
| Thallium   | 203-1 | 533943   | 533348   | 531648   | 532980   | 0.22   | cps   |
| Thallium   | 205-1 | 1240916  | 1250179  | 1249964  | 1247020  | 0.42   | cps   |
| Thorium    | 232-1 | 1816822  | 1836105  | 1842355  | 1831761  | 0.73   | cps   |
| Tin        | 118-1 | 446378   | 437948   | 440252   | 441526   | 0.99   | cps   |
| Titanium   | 47-1  | 407752   | 407017   | 402855   | 405875   | 0.65   | cps   |
| Uranium    | 238-1 | 1764345  | 1771592  | 1775341  | 1770426  | 0.32   | cps   |
| Vanadium   | 51-2  | 136225   | 134257   | 132979   | 134487   | 1.22   | cps   |
| Yttrium    | 89-1  | 16245889 | 16161544 | 16069543 | 16158992 | 0.55   | cps   |
| Yttrium    | 89-2  | 2300392  | 2284269  | 2280163  | 2288275  | 0.47   | cps   |
| Zinc       | 66-2  | 57446    | 56104    | 55157    | 56236    | 2.05   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:07:51 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 90-1 | 923638 | 919978 | 921830 | 921815  | 0.20   | cps   |
| Zirconium | 91-1 | 207693 | 207921 | 207103 | 207572  | 0.20   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:12:03 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 268780   | 274217   | 261685   | 268227   | 2.34   | cps   |
| Antimony   | 121-1 | 1190489  | 1201507  | 1199701  | 1197232  | 0.49   | cps   |
| Arsenic    | 75-2  | 40696    | 41110    | 39620    | 40475    | 1.90   | cps   |
| Barium     | 135-1 | 1566005  | 1556692  | 1558804  | 1560500  | 0.31   | cps   |
| Barium     | 137-1 | 2717481  | 2697778  | 2674358  | 2696539  | 0.80   | cps   |
| Beryllium  | 9-1   | 375929   | 377105   | 377921   | 376985   | 0.27   | cps   |
| Bismuth    | 209-1 | 12544315 | 12480180 | 12444128 | 12489541 | 0.41   | cps   |
| Bismuth    | 209-2 | 7097159  | 6425656  | 8045035  | 7189284  | 11.32  | cps   |
| Boron      | 10-1  | 54557    | 56205    | 57962    | 56241    | 3.03   | cps   |
| Boron      | 11-1  | 248725   | 255211   | 259323   | 254420   | 2.10   | cps   |
| Cadmium    | 111-1 | 321668   | 321554   | 319257   | 320826   | 0.42   | cps   |
| Cadmium    | 106-1 | 40509    | 41512    | 41554    | 41191    | 1.44   | cps   |
| Cadmium    | 108-1 | 25874    | 25156    | 24630    | 25220    | 2.48   | cps   |
| Calcium    | 43-1  | 437909   | 438829   | 436380   | 437706   | 0.28   | cps   |
| Calcium    | 44-1  | 6817975  | 6808255  | 6782304  | 6802844  | 0.27   | cps   |
| Chromium   | 52-2  | 393971   | 397699   | 389249   | 393640   | 1.08   | cps   |
| Cobalt     | 59-2  | 631902   | 633454   | 616075   | 627144   | 1.53   | cps   |
| Copper     | 63-2  | 872777   | 877023   | 854746   | 868182   | 1.36   | cps   |
| Dysprosium | 156-1 | 50       | 42       | 33       | 42       | 20.00  | cps   |
| Dysprosium | 156-2 | 43       | 27       | 27       | 32       | 29.85  | cps   |
| Erbium     | 164-1 | 58       | 75       | 42       | 58       | 28.57  | cps   |
| Erbium     | 164-2 | 23       | 50       | 47       | 40       | 36.33  | cps   |
| Gadolinium | 160-1 | 142      | 125      | 75       | 114      | 30.46  | cps   |
| Gadolinium | 160-2 | 190      | 200      | 300      | 230      | 26.45  | cps   |
| Holmium    | 165-1 | 19635112 | 19322599 | 19375375 | 19444362 | 0.86   | cps   |
| Holmium    | 165-2 | 10021035 | 8994712  | 11468027 | 10161258 | 12.23  | cps   |
| Indium     | 115-1 | 14831204 | 14676250 | 14581577 | 14696344 | 0.86   | cps   |
| Indium     | 115-2 | 2688884  | 2420632  | 3063050  | 2724189  | 11.84  | cps   |
| Iron       | 56-2  | 16506964 | 16669267 | 16131002 | 16435744 | 1.68   | cps   |
| Iron       | 57-2  | 403543   | 407065   | 397777   | 402795   | 1.16   | cps   |
| Lead       | 206-1 | 1044428  | 1051075  | 1043313  | 1046272  | 0.40   | cps   |
| Lead       | 207-1 | 961940   | 958891   | 957727   | 959519   | 0.23   | cps   |
| Lead       | 208-1 | 4244087  | 4265287  | 4265550  | 4258308  | 0.29   | cps   |
| Lithium    | 6-1   | 5898529  | 5836010  | 5856939  | 5863826  | 0.54   | cps   |
| Magnesium  | 24-2  | 3216570  | 3209165  | 3114664  | 3180133  | 1.79   | cps   |
| Manganese  | 55-2  | 467864   | 469675   | 461300   | 466280   | 0.94   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:12:03 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 2622328  | 2599190  | 2592460  | 2604659  | 0.60   | cps   |
| Molybdenum | 95-1  | 3185803  | 3185717  | 3152559  | 3174693  | 0.60   | cps   |
| Molybdenum | 96-1  | 3513383  | 3504576  | 3478834  | 3498931  | 0.51   | cps   |
| Molybdenum | 97-1  | 1975073  | 1992240  | 1979539  | 1982284  | 0.45   | cps   |
| Molybdenum | 98-1  | 5094880  | 5087706  | 5062202  | 5081596  | 0.34   | cps   |
| Neodymium  | 150-1 | 107      | 67       | 93       | 89       | 22.91  | cps   |
| Neodymium  | 150-2 | 7        | 7        | 3        | 6        | 34.70  | cps   |
| Nickel     | 60-2  | 166475   | 166544   | 162135   | 165051   | 1.53   | cps   |
| Phosphorus | 31-2  | 14841    | 15225    | 15008    | 15025    | 1.28   | cps   |
| Potassium  | 39-2  | 1416380  | 1414858  | 1394403  | 1408547  | 0.87   | cps   |
| Rhodium    | 103-1 | 13643248 | 13518859 | 13523245 | 13561784 | 0.52   | cps   |
| Rhodium    | 103-2 | 6272481  | 5666954  | 7159768  | 6366401  | 11.79  | cps   |
| Scandium   | 45-1  | 10316608 | 10225887 | 10159325 | 10233940 | 0.77   | cps   |
| Scandium   | 45-2  | 419055   | 380205   | 479183   | 426147   | 11.70  | cps   |
| Selenium   | 77-2  | 1153     | 1080     | 1057     | 1097     | 4.60   | cps   |
| Selenium   | 78-2  | 3851     | 3823     | 3617     | 3763     | 3.39   | cps   |
| Selenium   | 82-1  | 25440    | 25350    | 25609    | 25466    | 0.52   | cps   |
| Silicon    | 28-1  | 1312187  | 1318260  | 1319634  | 1316694  | 0.30   | cps   |
| Silver     | 109-1 | 1629385  | 1610504  | 1597516  | 1612468  | 0.99   | cps   |
| Silver     | 107-1 | 1680355  | 1669061  | 1652227  | 1667214  | 0.85   | cps   |
| Sodium     | 23-2  | 6112135  | 6094540  | 5965258  | 6057311  | 1.32   | cps   |
| Strontium  | 86-1  | 424201   | 424192   | 420398   | 422931   | 0.52   | cps   |
| Strontium  | 88-1  | 3619001  | 3617625  | 3575343  | 3603990  | 0.69   | cps   |
| Sulfur     | 34-1  | 358021   | 356404   | 350633   | 355019   | 1.09   | cps   |
| Terbium    | 159-1 | 20177810 | 20115051 | 20118668 | 20137176 | 0.17   | cps   |
| Terbium    | 159-2 | 9923023  | 8972206  | 11310763 | 10068664 | 11.68  | cps   |
| Thallium   | 203-1 | 1296503  | 1303316  | 1311868  | 1303896  | 0.59   | cps   |
| Thallium   | 205-1 | 3013691  | 3053176  | 3040255  | 3035707  | 0.66   | cps   |
| Thorium    | 232-1 | 4545115  | 4546229  | 4552889  | 4548078  | 0.09   | cps   |
| Tin        | 118-1 | 1058181  | 1057810  | 1061124  | 1059038  | 0.17   | cps   |
| Titanium   | 47-1  | 974121   | 959852   | 956175   | 963383   | 0.98   | cps   |
| Uranium    | 238-1 | 4349142  | 4376916  | 4378046  | 4368035  | 0.37   | cps   |
| Vanadium   | 51-2  | 318768   | 319620   | 312243   | 316877   | 1.27   | cps   |
| Yttrium    | 89-1  | 15879958 | 15717004 | 15609295 | 15735419 | 0.87   | cps   |
| Yttrium    | 89-2  | 2154508  | 1945286  | 2398972  | 2166255  | 10.48  | cps   |
| Zinc       | 66-2  | 131233   | 129648   | 128335   | 129739   | 1.12   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:12:03 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 2191375 | 2182523 | 2200268 | 2191388 | 0.40   | cps   |
| Zirconium | 91-1 | 496597  | 499310  | 498185  | 498031  | 0.27   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : S5 Instrumnet Name : P7  
 Client Sample ID : S5 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 13:15:51 DataFile Name : 008CAL.S.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 514703   | 518586   | 523924   | 519071   | 0.89   | cps   |
| Antimony   | 121-1 | 2250182  | 2302215  | 2275884  | 2276094  | 1.14   | cps   |
| Arsenic    | 75-2  | 78665    | 78032    | 79307    | 78668    | 0.81   | cps   |
| Barium     | 135-1 | 3011730  | 3036034  | 3017938  | 3021901  | 0.42   | cps   |
| Barium     | 137-1 | 5282093  | 5271629  | 5223918  | 5259213  | 0.59   | cps   |
| Beryllium  | 9-1   | 711875   | 719749   | 708266   | 713297   | 0.82   | cps   |
| Bismuth    | 209-1 | 12162699 | 12282032 | 12467689 | 12304140 | 1.25   | cps   |
| Bismuth    | 209-2 | 6994098  | 6988260  | 7010839  | 6997732  | 0.17   | cps   |
| Boron      | 10-1  | 104451   | 107062   | 108479   | 106664   | 1.92   | cps   |
| Boron      | 11-1  | 477351   | 491159   | 499178   | 489230   | 2.26   | cps   |
| Cadmium    | 111-1 | 599790   | 607184   | 605527   | 604167   | 0.64   | cps   |
| Cadmium    | 106-1 | 71598    | 73006    | 72083    | 72229    | 0.99   | cps   |
| Cadmium    | 108-1 | 47839    | 48011    | 47421    | 47757    | 0.64   | cps   |
| Calcium    | 43-1  | 826462   | 828326   | 823914   | 826234   | 0.27   | cps   |
| Calcium    | 44-1  | 12993898 | 13060728 | 12945790 | 13000139 | 0.44   | cps   |
| Chromium   | 52-2  | 756612   | 757065   | 763367   | 759015   | 0.50   | cps   |
| Cobalt     | 59-2  | 1193324  | 1200932  | 1206152  | 1200136  | 0.54   | cps   |
| Copper     | 63-2  | 1650384  | 1646847  | 1657763  | 1651665  | 0.34   | cps   |
| Dysprosium | 156-1 | 83       | 33       | 83       | 67       | 43.30  | cps   |
| Dysprosium | 156-2 | 50       | 53       | 70       | 58       | 18.55  | cps   |
| Erbium     | 164-1 | 58       | 50       | 42       | 50       | 16.67  | cps   |
| Erbium     | 164-2 | 23       | 20       | 33       | 26       | 27.15  | cps   |
| Gadolinium | 160-1 | 92       | 108      | 67       | 89       | 23.59  | cps   |
| Gadolinium | 160-2 | 280      | 270      | 247      | 266      | 6.44   | cps   |
| Holmium    | 165-1 | 19061328 | 19262917 | 19476041 | 19266762 | 1.08   | cps   |
| Holmium    | 165-2 | 9992005  | 9954877  | 9904899  | 9950594  | 0.44   | cps   |
| Indium     | 115-1 | 14136728 | 14238391 | 14471569 | 14282229 | 1.20   | cps   |
| Indium     | 115-2 | 2630674  | 2626225  | 2627741  | 2628213  | 0.09   | cps   |
| Iron       | 56-2  | 31952572 | 32007404 | 31831415 | 31930464 | 0.28   | cps   |
| Iron       | 57-2  | 778312   | 781138   | 786364   | 781938   | 0.52   | cps   |
| Lead       | 206-1 | 1989991  | 2008127  | 2002617  | 2000245  | 0.46   | cps   |
| Lead       | 207-1 | 1836643  | 1866212  | 1864210  | 1855688  | 0.89   | cps   |
| Lead       | 208-1 | 8303464  | 8354677  | 8333215  | 8330452  | 0.31   | cps   |
| Lithium    | 6-1   | 5674653  | 5662989  | 5787318  | 5708320  | 1.20   | cps   |
| Magnesium  | 24-2  | 6175591  | 6213051  | 6209930  | 6199524  | 0.34   | cps   |
| Manganese  | 55-2  | 897629   | 904727   | 907379   | 903245   | 0.56   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:15:51 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5063118  | 5072284  | 5062513  | 5065972  | 0.11   | cps   |
| Molybdenum | 95-1  | 6187197  | 6203613  | 6146975  | 6179261  | 0.47   | cps   |
| Molybdenum | 96-1  | 6831327  | 6831355  | 6800009  | 6820897  | 0.27   | cps   |
| Molybdenum | 97-1  | 3885208  | 3893291  | 3887602  | 3888701  | 0.11   | cps   |
| Molybdenum | 98-1  | 9838780  | 9857590  | 9811115  | 9835829  | 0.24   | cps   |
| Neodymium  | 150-1 | 233      | 207      | 167      | 202      | 16.59  | cps   |
| Neodymium  | 150-2 | 27       | 17       | 30       | 24       | 28.38  | cps   |
| Nickel     | 60-2  | 313944   | 316743   | 315187   | 315291   | 0.44   | cps   |
| Phosphorus | 31-2  | 29605    | 29087    | 29013    | 29235    | 1.10   | cps   |
| Potassium  | 39-2  | 2690214  | 2692776  | 2710845  | 2697945  | 0.42   | cps   |
| Rhodium    | 103-1 | 12840764 | 12944643 | 13141450 | 12975619 | 1.18   | cps   |
| Rhodium    | 103-2 | 6176876  | 6122911  | 6121953  | 6140580  | 0.51   | cps   |
| Scandium   | 45-1  | 9724358  | 9710070  | 9904913  | 9779780  | 1.11   | cps   |
| Scandium   | 45-2  | 408986   | 410916   | 410458   | 410120   | 0.25   | cps   |
| Selenium   | 77-2  | 2190     | 2100     | 2100     | 2130     | 2.44   | cps   |
| Selenium   | 78-2  | 7126     | 7193     | 7172     | 7164     | 0.48   | cps   |
| Selenium   | 82-1  | 48238    | 48035    | 47712    | 47995    | 0.55   | cps   |
| Silicon    | 28-1  | 2234024  | 2220843  | 2238316  | 2231061  | 0.41   | cps   |
| Silver     | 109-1 | 3098523  | 3069046  | 3065659  | 3077743  | 0.59   | cps   |
| Silver     | 107-1 | 3177854  | 3195685  | 3181620  | 3185053  | 0.30   | cps   |
| Sodium     | 23-2  | 11810025 | 11866349 | 11832695 | 11836356 | 0.24   | cps   |
| Strontium  | 86-1  | 810141   | 818021   | 819470   | 815877   | 0.62   | cps   |
| Strontium  | 88-1  | 6972294  | 6949241  | 6948211  | 6956582  | 0.20   | cps   |
| Sulfur     | 34-1  | 469869   | 462126   | 460071   | 464022   | 1.11   | cps   |
| Terbium    | 159-1 | 19825361 | 19894643 | 20309906 | 20009970 | 1.31   | cps   |
| Terbium    | 159-2 | 9907536  | 9867140  | 9899966  | 9891548  | 0.22   | cps   |
| Thallium   | 203-1 | 2567086  | 2589209  | 2564813  | 2573703  | 0.52   | cps   |
| Thallium   | 205-1 | 6017094  | 6000025  | 5984117  | 6000412  | 0.27   | cps   |
| Thorium    | 232-1 | 9111885  | 9081772  | 9050582  | 9081413  | 0.34   | cps   |
| Tin        | 118-1 | 1998118  | 2031773  | 2015623  | 2015172  | 0.84   | cps   |
| Titanium   | 47-1  | 1826045  | 1812637  | 1813633  | 1817438  | 0.41   | cps   |
| Uranium    | 238-1 | 8732004  | 8719220  | 8643269  | 8698165  | 0.55   | cps   |
| Vanadium   | 51-2  | 615905   | 613012   | 619956   | 616291   | 0.57   | cps   |
| Yttrium    | 89-1  | 15130333 | 15189898 | 15430109 | 15250113 | 1.04   | cps   |
| Yttrium    | 89-2  | 2126172  | 2124441  | 2136967  | 2129194  | 0.32   | cps   |
| Zinc       | 66-2  | 247695   | 247353   | 248259   | 247769   | 0.18   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:15:51 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 4271740 | 4283162 | 4218761 | 4257888 | 0.81   | cps   |
| Zirconium | 91-1 | 948463  | 957086  | 949284  | 951611  | 0.50   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : S6 Instrumnet Name : P7  
 Client Sample ID : S6 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 13:19:37 DataFile Name : 009CAL.S.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1048966  | 1039064  | 1049999  | 1046010  | 0.58   | cps   |
| Antimony   | 121-1 | 4641358  | 4632931  | 4631489  | 4635259  | 0.12   | cps   |
| Arsenic    | 75-2  | 156098   | 157660   | 157122   | 156960   | 0.51   | cps   |
| Barium     | 135-1 | 6073976  | 6038799  | 6065995  | 6059590  | 0.30   | cps   |
| Barium     | 137-1 | 10518935 | 10543790 | 10548306 | 10537010 | 0.15   | cps   |
| Beryllium  | 9-1   | 1396570  | 1399567  | 1400534  | 1398891  | 0.15   | cps   |
| Bismuth    | 209-1 | 11823864 | 11685412 | 12039749 | 11849675 | 1.51   | cps   |
| Bismuth    | 209-2 | 6839447  | 6868709  | 7062824  | 6923660  | 1.75   | cps   |
| Boron      | 10-1  | 209355   | 216454   | 218193   | 214667   | 2.18   | cps   |
| Boron      | 11-1  | 958044   | 988678   | 992872   | 979865   | 1.94   | cps   |
| Cadmium    | 111-1 | 1170843  | 1172374  | 1176206  | 1173141  | 0.24   | cps   |
| Cadmium    | 106-1 | 135752   | 138612   | 137065   | 137143   | 1.04   | cps   |
| Cadmium    | 108-1 | 93040    | 94307    | 94332    | 93893    | 0.79   | cps   |
| Calcium    | 43-1  | 1632366  | 1635149  | 1644364  | 1637293  | 0.38   | cps   |
| Calcium    | 44-1  | 26153883 | 26098526 | 26171684 | 26141364 | 0.15   | cps   |
| Chromium   | 52-2  | 1519222  | 1512174  | 1521492  | 1517629  | 0.32   | cps   |
| Cobalt     | 59-2  | 2340831  | 2359618  | 2359197  | 2353215  | 0.46   | cps   |
| Copper     | 63-2  | 3236062  | 3242596  | 3221467  | 3233375  | 0.33   | cps   |
| Dysprosium | 156-1 | 83       | 75       | 67       | 75       | 11.11  | cps   |
| Dysprosium | 156-2 | 100      | 63       | 103      | 89       | 24.97  | cps   |
| Erbium     | 164-1 | 50       | 33       | 92       | 58       | 51.51  | cps   |
| Erbium     | 164-2 | 47       | 27       | 23       | 32       | 39.17  | cps   |
| Gadolinium | 160-1 | 125      | 92       | 92       | 103      | 18.73  | cps   |
| Gadolinium | 160-2 | 270      | 240      | 287      | 266      | 8.91   | cps   |
| Holmium    | 165-1 | 18926863 | 18783739 | 19281625 | 18997409 | 1.35   | cps   |
| Holmium    | 165-2 | 9994208  | 10059691 | 10303504 | 10119134 | 1.61   | cps   |
| Indium     | 115-1 | 13885349 | 13808434 | 14055859 | 13916547 | 0.91   | cps   |
| Indium     | 115-2 | 2589966  | 2604466  | 2666642  | 2620358  | 1.55   | cps   |
| Iron       | 56-2  | 64279690 | 63670247 | 63724517 | 63891485 | 0.53   | cps   |
| Iron       | 57-2  | 1542771  | 1568025  | 1554019  | 1554938  | 0.81   | cps   |
| Lead       | 206-1 | 4061435  | 4059221  | 4059769  | 4060141  | 0.03   | cps   |
| Lead       | 207-1 | 3729569  | 3703738  | 3724809  | 3719372  | 0.37   | cps   |
| Lead       | 208-1 | 16712108 | 16636692 | 16627984 | 16658928 | 0.28   | cps   |
| Lithium    | 6-1   | 5644054  | 5565833  | 5685701  | 5631863  | 1.08   | cps   |
| Magnesium  | 24-2  | 12683210 | 12482310 | 12560162 | 12575228 | 0.81   | cps   |
| Manganese  | 55-2  | 1795604  | 1798162  | 1796301  | 1796689  | 0.07   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:19:37 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 10181444 | 10102262 | 10125933 | 10136546 | 0.40   | cps   |
| Molybdenum | 95-1  | 12341482 | 12381166 | 12374094 | 12365581 | 0.17   | cps   |
| Molybdenum | 96-1  | 13670417 | 13691354 | 13721696 | 13694489 | 0.19   | cps   |
| Molybdenum | 97-1  | 7815868  | 7846328  | 7791668  | 7817955  | 0.35   | cps   |
| Molybdenum | 98-1  | 19694762 | 19775610 | 19686276 | 19718883 | 0.25   | cps   |
| Neodymium  | 150-1 | 313      | 393      | 207      | 304      | 30.76  | cps   |
| Neodymium  | 150-2 | 30       | 47       | 33       | 37       | 24.06  | cps   |
| Nickel     | 60-2  | 622005   | 626726   | 620864   | 623198   | 0.50   | cps   |
| Phosphorus | 31-2  | 59102    | 58390    | 57980    | 58491    | 0.97   | cps   |
| Potassium  | 39-2  | 5535645  | 5498318  | 5475028  | 5502997  | 0.56   | cps   |
| Rhodium    | 103-1 | 12585905 | 12519203 | 12676946 | 12594018 | 0.63   | cps   |
| Rhodium    | 103-2 | 6004712  | 6068516  | 6181950  | 6085059  | 1.48   | cps   |
| Scandium   | 45-1  | 9668552  | 9535732  | 9760100  | 9654795  | 1.17   | cps   |
| Scandium   | 45-2  | 414265   | 414086   | 431135   | 419829   | 2.33   | cps   |
| Selenium   | 77-2  | 4167     | 4121     | 4364     | 4217     | 3.06   | cps   |
| Selenium   | 78-2  | 14311    | 14129    | 14292    | 14244    | 0.70   | cps   |
| Selenium   | 82-1  | 93200    | 93832    | 93987    | 93673    | 0.45   | cps   |
| Silicon    | 28-1  | 4264284  | 4310747  | 4303757  | 4292929  | 0.58   | cps   |
| Silver     | 109-1 | 6045251  | 6059100  | 6094671  | 6066341  | 0.42   | cps   |
| Silver     | 107-1 | 6314991  | 6303465  | 6236762  | 6285073  | 0.67   | cps   |
| Sodium     | 23-2  | 24162501 | 24094359 | 24009743 | 24088868 | 0.32   | cps   |
| Strontium  | 86-1  | 1581650  | 1608685  | 1603719  | 1598018  | 0.90   | cps   |
| Strontium  | 88-1  | 13927567 | 13996656 | 14032024 | 13985416 | 0.38   | cps   |
| Sulfur     | 34-1  | 750502   | 750725   | 748361   | 749863   | 0.17   | cps   |
| Terbium    | 159-1 | 19622784 | 19305486 | 19837152 | 19588474 | 1.37   | cps   |
| Terbium    | 159-2 | 9883401  | 9926783  | 10115410 | 9975198  | 1.24   | cps   |
| Thallium   | 203-1 | 5126219  | 5107624  | 5146381  | 5126741  | 0.38   | cps   |
| Thallium   | 205-1 | 11889167 | 11975541 | 12024289 | 11962999 | 0.57   | cps   |
| Thorium    | 232-1 | 18333946 | 18219721 | 18345546 | 18299738 | 0.38   | cps   |
| Tin        | 118-1 | 4138627  | 4141675  | 4120158  | 4133487  | 0.28   | cps   |
| Titanium   | 47-1  | 3727784  | 3681321  | 3688917  | 3699340  | 0.67   | cps   |
| Uranium    | 238-1 | 17512075 | 17463714 | 17394486 | 17456759 | 0.34   | cps   |
| Vanadium   | 51-2  | 1232568  | 1243699  | 1235379  | 1237215  | 0.47   | cps   |
| Yttrium    | 89-1  | 14978359 | 14830204 | 15210633 | 15006399 | 1.28   | cps   |
| Yttrium    | 89-2  | 2135555  | 2144396  | 2204519  | 2161490  | 1.74   | cps   |
| Zinc       | 66-2  | 480060   | 481401   | 479363   | 480275   | 0.22   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:19:37 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 8613646 | 8608826 | 8565022 | 8595832 | 0.31   | cps   |
| Zirconium | 91-1 | 1881426 | 1873851 | 1877067 | 1877448 | 0.20   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:23:23 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 2090687   | 2100650   | 2091279   | 2094205   | 0.27   | cps   |
| Antimony   | 121-1 | 9104792   | 9150770   | 9171119   | 9142227   | 0.37   | cps   |
| Arsenic    | 75-2  | 305503    | 307837    | 307489    | 306943    | 0.41   | cps   |
| Barium     | 135-1 | 12059850  | 12081874  | 12073262  | 12071662  | 0.09   | cps   |
| Barium     | 137-1 | 20972967  | 21052565  | 21086665  | 21037399  | 0.28   | cps   |
| Beryllium  | 9-1   | 2722259   | 2739646   | 2749354   | 2737086   | 0.50   | cps   |
| Bismuth    | 209-1 | 11816866  | 11765922  | 11767952  | 11783580  | 0.24   | cps   |
| Bismuth    | 209-2 | 6709955   | 6736480   | 6661426   | 6702620   | 0.57   | cps   |
| Boron      | 10-1  | 418387    | 433371    | 439186    | 430315    | 2.49   | cps   |
| Boron      | 11-1  | 1905830   | 1964273   | 1987495   | 1952533   | 2.16   | cps   |
| Cadmium    | 111-1 | 2202090   | 2236614   | 2235736   | 2224814   | 0.88   | cps   |
| Cadmium    | 106-1 | 259955    | 265475    | 269144    | 264858    | 1.75   | cps   |
| Cadmium    | 108-1 | 180798    | 181254    | 182968    | 181674    | 0.63   | cps   |
| Calcium    | 43-1  | 3288206   | 3263033   | 3331043   | 3294094   | 1.04   | cps   |
| Calcium    | 44-1  | 52316861  | 52394372  | 52970949  | 52560727  | 0.68   | cps   |
| Chromium   | 52-2  | 3021143   | 3027972   | 3008578   | 3019231   | 0.33   | cps   |
| Cobalt     | 59-2  | 4767552   | 4747769   | 4727106   | 4747476   | 0.43   | cps   |
| Copper     | 63-2  | 6407074   | 6405809   | 6343557   | 6385480   | 0.57   | cps   |
| Dysprosium | 156-1 | 125       | 142       | 167       | 144       | 14.52  | cps   |
| Dysprosium | 156-2 | 167       | 160       | 180       | 169       | 6.03   | cps   |
| Erbium     | 164-1 | 83        | 50        | 83        | 72        | 26.65  | cps   |
| Erbium     | 164-2 | 43        | 43        | 63        | 50        | 23.10  | cps   |
| Gadolinium | 160-1 | 133       | 133       | 125       | 131       | 3.68   | cps   |
| Gadolinium | 160-2 | 233       | 283       | 273       | 263       | 10.05  | cps   |
| Holmium    | 165-1 | 19263961  | 19360956  | 19367872  | 19330930  | 0.30   | cps   |
| Holmium    | 165-2 | 10089218  | 10051907  | 9998531   | 10046552  | 0.45   | cps   |
| Indium     | 115-1 | 13909257  | 13975854  | 13973680  | 13952930  | 0.27   | cps   |
| Indium     | 115-2 | 2599158   | 2586525   | 2576510   | 2587398   | 0.44   | cps   |
| Iron       | 56-2  | 128580742 | 127980508 | 126958836 | 127840029 | 0.64   | cps   |
| Iron       | 57-2  | 3080061   | 3109499   | 3073617   | 3087726   | 0.62   | cps   |
| Lead       | 206-1 | 7948430   | 7957966   | 8056699   | 7987698   | 0.75   | cps   |
| Lead       | 207-1 | 7271823   | 7320114   | 7388181   | 7326706   | 0.80   | cps   |
| Lead       | 208-1 | 32547058  | 32756696  | 32947589  | 32750448  | 0.61   | cps   |
| Lithium    | 6-1   | 5745488   | 5739796   | 5756848   | 5747377   | 0.15   | cps   |
| Magnesium  | 24-2  | 25348463  | 25408555  | 25281552  | 25346190  | 0.25   | cps   |
| Manganese  | 55-2  | 3613148   | 3614636   | 3579892   | 3602558   | 0.55   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:23:23 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 20294271 | 20424815 | 20317617 | 20345567 | 0.34   | cps   |
| Molybdenum | 95-1  | 24719823 | 24846089 | 24769659 | 24778524 | 0.26   | cps   |
| Molybdenum | 96-1  | 27391835 | 27477315 | 27482216 | 27450455 | 0.19   | cps   |
| Molybdenum | 97-1  | 15631556 | 15650882 | 15698386 | 15660274 | 0.22   | cps   |
| Molybdenum | 98-1  | 39432539 | 39712377 | 39739884 | 39628267 | 0.43   | cps   |
| Neodymium  | 150-1 | 680      | 700      | 627      | 669      | 5.67   | cps   |
| Neodymium  | 150-2 | 100      | 70       | 80       | 83       | 18.33  | cps   |
| Nickel     | 60-2  | 1193245  | 1198086  | 1190166  | 1193832  | 0.33   | cps   |
| Phosphorus | 31-2  | 118795   | 114495   | 115117   | 116136   | 2.00   | cps   |
| Potassium  | 39-2  | 11175847 | 11207657 | 11051814 | 11145106 | 0.74   | cps   |
| Rhodium    | 103-1 | 12497167 | 12650864 | 12555290 | 12567774 | 0.62   | cps   |
| Rhodium    | 103-2 | 5998240  | 5993997  | 5955186  | 5982474  | 0.40   | cps   |
| Scandium   | 45-1  | 9906747  | 9884315  | 9948478  | 9913180  | 0.33   | cps   |
| Scandium   | 45-2  | 427598   | 430719   | 428751   | 429023   | 0.37   | cps   |
| Selenium   | 77-2  | 7856     | 8272     | 8132     | 8087     | 2.62   | cps   |
| Selenium   | 78-2  | 27099    | 27166    | 26866    | 27044    | 0.58   | cps   |
| Selenium   | 82-1  | 180062   | 182287   | 183362   | 181904   | 0.93   | cps   |
| Silicon    | 28-1  | 7660023  | 7724566  | 7750895  | 7711828  | 0.61   | cps   |
| Silver     | 109-1 | 11713090 | 11819526 | 11809524 | 11780714 | 0.50   | cps   |
| Silver     | 107-1 | 12136319 | 12247873 | 12339283 | 12241158 | 0.83   | cps   |
| Sodium     | 23-2  | 49035223 | 49151084 | 48936471 | 49040926 | 0.22   | cps   |
| Strontium  | 86-1  | 3202173  | 3211222  | 3222255  | 3211883  | 0.31   | cps   |
| Strontium  | 88-1  | 27890681 | 28005784 | 28087982 | 27994816 | 0.35   | cps   |
| Sulfur     | 34-1  | 1314430  | 1311586  | 1331312  | 1319109  | 0.81   | cps   |
| Terbium    | 159-1 | 19928729 | 19945714 | 20177527 | 20017323 | 0.69   | cps   |
| Terbium    | 159-2 | 9929479  | 9930852  | 9987742  | 9949357  | 0.33   | cps   |
| Thallium   | 203-1 | 10070718 | 10202554 | 10200094 | 10157789 | 0.74   | cps   |
| Thallium   | 205-1 | 23378917 | 23634355 | 23707377 | 23573549 | 0.73   | cps   |
| Thorium    | 232-1 | 36861852 | 36750097 | 36565420 | 36725790 | 0.41   | cps   |
| Tin        | 118-1 | 8185924  | 8160440  | 8228967  | 8191777  | 0.42   | cps   |
| Titanium   | 47-1  | 7468379  | 7474020  | 7489212  | 7477204  | 0.14   | cps   |
| Uranium    | 238-1 | 35151110 | 35050246 | 35118897 | 35106751 | 0.15   | cps   |
| Vanadium   | 51-2  | 2486246  | 2484736  | 2480199  | 2483727  | 0.13   | cps   |
| Yttrium    | 89-1  | 15315290 | 15395271 | 15336751 | 15349104 | 0.27   | cps   |
| Yttrium    | 89-2  | 2148178  | 2167869  | 2156187  | 2157411  | 0.46   | cps   |
| Zinc       | 66-2  | 906752   | 914593   | 914299   | 911881   | 0.49   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:23:23 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zirconium | 90-1 | 17180469 | 17287444 | 17201540 | 17223151 | 0.33   | cps   |
| Zirconium | 91-1 | 3867462  | 3892392  | 3868238  | 3876031  | 0.37   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : S8 Instrumnet Name : P7  
 Client Sample ID : S8 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 13:27:08 DataFile Name : 011CAL.S.d

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 11893376  | 11944984  | 12080175  | 11972845  | 0.81   | cps   |
| Antimony   | 121-1 | 12773     | 11797     | 12748     | 12439     | 4.47   | cps   |
| Arsenic    | 75-2  | 565       | 465       | 519       | 516       | 9.70   | cps   |
| Barium     | 135-1 | 3159      | 2950      | 2742      | 2950      | 7.06   | cps   |
| Barium     | 137-1 | 5201      | 4951      | 5009      | 5054      | 2.59   | cps   |
| Beryllium  | 9-1   | 639       | 572       | 528       | 580       | 9.65   | cps   |
| Bismuth    | 209-1 | 9926004   | 9979603   | 9915799   | 9940469   | 0.34   | cps   |
| Bismuth    | 209-2 | 5862138   | 5861849   | 5872538   | 5865508   | 0.10   | cps   |
| Boron      | 10-1  | 30014     | 27693     | 25481     | 27729     | 8.18   | cps   |
| Boron      | 11-1  | 136218    | 126216    | 114775    | 125736    | 8.53   | cps   |
| Cadmium    | 111-1 | 1564      | 1436      | 1497      | 1499      | 4.25   | cps   |
| Cadmium    | 106-1 | 4918      | 4693      | 5410      | 5007      | 7.32   | cps   |
| Cadmium    | 108-1 | 92        | 58        | 71        | 74        | 22.88  | cps   |
| Calcium    | 43-1  | 16967024  | 17227593  | 17151968  | 17115528  | 0.78   | cps   |
| Calcium    | 44-1  | 270698773 | 272914031 | 275494823 | 273035876 | 0.88   | cps   |
| Chromium   | 52-2  | 143295    | 142403    | 145028    | 143575    | 0.93   | cps   |
| Cobalt     | 59-2  | 61123     | 61512     | 62315     | 61650     | 0.99   | cps   |
| Copper     | 63-2  | 14404     | 14587     | 14377     | 14456     | 0.79   | cps   |
| Dysprosium | 156-1 | 133       | 167       | 150       | 150       | 11.11  | cps   |
| Dysprosium | 156-2 | 50        | 67        | 50        | 56        | 17.32  | cps   |
| Erbium     | 164-1 | 92        | 100       | 100       | 97        | 4.95   | cps   |
| Erbium     | 164-2 | 27        | 47        | 30        | 34        | 31.11  | cps   |
| Gadolinium | 160-1 | 175       | 167       | 125       | 156       | 17.22  | cps   |
| Gadolinium | 160-2 | 317       | 347       | 317       | 327       | 5.30   | cps   |
| Holmium    | 165-1 | 18259671  | 18319326  | 18198854  | 18259284  | 0.33   | cps   |
| Holmium    | 165-2 | 9665848   | 9681620   | 9689640   | 9679036   | 0.13   | cps   |
| Indium     | 115-1 | 13019424  | 13157992  | 13053658  | 13077024  | 0.55   | cps   |
| Indium     | 115-2 | 2565055   | 2543529   | 2584572   | 2564385   | 0.80   | cps   |
| Iron       | 56-2  | 653451837 | 651862259 | 653510415 | 652941503 | 0.14   | cps   |
| Iron       | 57-2  | 15618474  | 15642290  | 15809438  | 15690067  | 0.66   | cps   |
| Lead       | 206-1 | 42635     | 42396     | 42373     | 42468     | 0.34   | cps   |
| Lead       | 207-1 | 36963     | 36963     | 35994     | 36640     | 1.53   | cps   |
| Lead       | 208-1 | 167576    | 169725    | 167391    | 168231    | 0.77   | cps   |
| Lithium    | 6-1   | 5596140   | 5632637   | 5668714   | 5632497   | 0.64   | cps   |
| Magnesium  | 24-2  | 141079016 | 141378786 | 142708712 | 141722171 | 0.61   | cps   |
| Manganese  | 55-2  | 20187     | 19243     | 20431     | 19954     | 3.15   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:27:08 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Molybdenum | 94-1  | 27961     | 27060     | 26859     | 27294     | 2.15   | cps   |
| Molybdenum | 95-1  | 46343     | 46033     | 45916     | 46097     | 0.48   | cps   |
| Molybdenum | 96-1  | 59165     | 58078     | 58036     | 58426     | 1.10   | cps   |
| Molybdenum | 97-1  | 29064     | 28396     | 29005     | 28822     | 1.28   | cps   |
| Molybdenum | 98-1  | 71597     | 71371     | 71747     | 71572     | 0.27   | cps   |
| Neodymium  | 150-1 | 167       | 147       | 153       | 156       | 6.55   | cps   |
| Neodymium  | 150-2 | 43        | 93        | 87        | 74        | 36.47  | cps   |
| Nickel     | 60-2  | 44324     | 44250     | 44400     | 44325     | 0.17   | cps   |
| Phosphorus | 31-2  | 142       | 233       | 283       | 219       | 32.74  | cps   |
| Potassium  | 39-2  | 60670628  | 61444995  | 61724722  | 61280115  | 0.89   | cps   |
| Rhodium    | 103-1 | 11271419  | 11318002  | 11330793  | 11306738  | 0.28   | cps   |
| Rhodium    | 103-2 | 5489869   | 5507326   | 5537411   | 5511535   | 0.44   | cps   |
| Scandium   | 45-1  | 9775655   | 9837682   | 9930393   | 9847910   | 0.79   | cps   |
| Scandium   | 45-2  | 448676    | 449817    | 451902    | 450132    | 0.36   | cps   |
| Selenium   | 77-2  | 3         | 7         | 13        | 8         | 65.47  | cps   |
| Selenium   | 78-2  | 67        | 57        | 67        | 64        | 8.41   | cps   |
| Selenium   | 82-1  | 213       | 210       | 246       | 223       | 8.93   | cps   |
| Silicon    | 28-1  | 608077    | 626544    | 630458    | 621693    | 1.92   | cps   |
| Silver     | 109-1 | 1408      | 1383      | 1117      | 1303      | 12.41  | cps   |
| Silver     | 107-1 | 1533      | 1500      | 1492      | 1508      | 1.46   | cps   |
| Sodium     | 23-2  | 272012698 | 271435073 | 273856398 | 272434723 | 0.46   | cps   |
| Strontium  | 86-1  | 15701     | 15884     | 15467     | 15684     | 1.33   | cps   |
| Strontium  | 88-1  | 128992    | 129210    | 129320    | 129174    | 0.13   | cps   |
| Sulfur     | 34-1  | 182546    | 188242    | 190451    | 187080    | 2.18   | cps   |
| Terbium    | 159-1 | 18845311  | 18966796  | 18888454  | 18900187  | 0.33   | cps   |
| Terbium    | 159-2 | 9609159   | 9532903   | 9585620   | 9575894   | 0.41   | cps   |
| Thallium   | 203-1 | 6010      | 6018      | 5168      | 5732      | 8.52   | cps   |
| Thallium   | 205-1 | 14041     | 13182     | 13182     | 13468     | 3.68   | cps   |
| Thorium    | 232-1 | 6118      | 5340      | 4390      | 5283      | 16.39  | cps   |
| Tin        | 118-1 | 18713     | 18021     | 18763     | 18499     | 2.24   | cps   |
| Titanium   | 47-1  | 4634      | 4426      | 4434      | 4498      | 2.62   | cps   |
| Uranium    | 238-1 | 4834      | 4168      | 4151      | 4384      | 8.89   | cps   |
| Vanadium   | 51-2  | 1350      | 1333      | 1280      | 1321      | 2.77   | cps   |
| Yttrium    | 89-1  | 14772664  | 14850060  | 14897904  | 14840209  | 0.43   | cps   |
| Yttrium    | 89-2  | 2168553   | 2172298   | 2197348   | 2179400   | 0.72   | cps   |
| Zinc       | 66-2  | 7405      | 6975      | 7259      | 7213      | 3.03   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:27:08 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 4368 | 4376 | 4568 | 4437    | 2.55   | cps   |
| Zirconium | 91-1 | 1025 | 908  | 992  | 975     | 6.16   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:31:45 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 65201    | 64800    | 66364    | 65455    | 1.24   | cps   |
| Antimony   | 121-1 | 1857000  | 1862392  | 1876563  | 1865318  | 0.54   | cps   |
| Arsenic    | 75-2  | 69805    | 69785    | 69485    | 69692    | 0.26   | cps   |
| Barium     | 135-1 | 253750   | 253971   | 253957   | 253893   | 0.05   | cps   |
| Barium     | 137-1 | 443472   | 444045   | 443513   | 443677   | 0.07   | cps   |
| Beryllium  | 9-1   | 322823   | 324150   | 324923   | 323965   | 0.33   | cps   |
| Bismuth    | 209-1 | 12497029 | 12973992 | 12833227 | 12768083 | 1.92   | cps   |
| Bismuth    | 209-2 | 7612696  | 7614200  | 7345533  | 7524143  | 2.06   | cps   |
| Boron      | 10-1  | 253913   | 262147   | 269456   | 261839   | 2.97   | cps   |
| Boron      | 11-1  | 1138582  | 1193202  | 1227198  | 1186327  | 3.77   | cps   |
| Cadmium    | 111-1 | 255907   | 257811   | 258702   | 257473   | 0.55   | cps   |
| Cadmium    | 106-1 | 60647    | 59518    | 62179    | 60781    | 2.20   | cps   |
| Cadmium    | 108-1 | 30003    | 29995    | 29681    | 29893    | 0.61   | cps   |
| Calcium    | 43-1  | 88581    | 90862    | 89563    | 89669    | 1.28   | cps   |
| Calcium    | 44-1  | 1329343  | 1327141  | 1325621  | 1327368  | 0.14   | cps   |
| Chromium   | 52-2  | 338397   | 340604   | 339209   | 339403   | 0.33   | cps   |
| Cobalt     | 59-2  | 543354   | 548467   | 549215   | 547012   | 0.58   | cps   |
| Copper     | 63-2  | 381460   | 381906   | 381620   | 381662   | 0.06   | cps   |
| Dysprosium | 156-1 | 17       | 8        | 17       | 14       | 34.67  | cps   |
| Dysprosium | 156-2 | 13       | 7        | 10       | 10       | 33.30  | cps   |
| Erbium     | 164-1 | 100      | 100      | 117      | 106      | 9.11   | cps   |
| Erbium     | 164-2 | 63       | 43       | 93       | 67       | 37.76  | cps   |
| Gadolinium | 160-1 | 133      | 117      | 125      | 125      | 6.67   | cps   |
| Gadolinium | 160-2 | 317      | 280      | 273      | 290      | 8.05   | cps   |
| Holmium    | 165-1 | 19548125 | 20334551 | 20084430 | 19989035 | 2.01   | cps   |
| Holmium    | 165-2 | 10662485 | 10676931 | 10371957 | 10570458 | 1.63   | cps   |
| Indium     | 115-1 | 15153184 | 15846385 | 15516982 | 15505517 | 2.24   | cps   |
| Indium     | 115-2 | 2972218  | 2958101  | 2878690  | 2936336  | 1.72   | cps   |
| Iron       | 56-2  | 2929118  | 2925295  | 2930935  | 2928449  | 0.10   | cps   |
| Iron       | 57-2  | 71206    | 73349    | 71680    | 72078    | 1.56   | cps   |
| Lead       | 206-1 | 1633798  | 1663451  | 1655632  | 1650960  | 0.93   | cps   |
| Lead       | 207-1 | 1451858  | 1478126  | 1470323  | 1466769  | 0.92   | cps   |
| Lead       | 208-1 | 6675409  | 6726360  | 6729191  | 6710320  | 0.45   | cps   |
| Lithium    | 6-1   | 6599812  | 6768810  | 6720525  | 6696382  | 1.30   | cps   |
| Magnesium  | 24-2  | 357915   | 353956   | 357489   | 356453   | 0.61   | cps   |
| Manganese  | 55-2  | 199567   | 200534   | 201818   | 200640   | 0.56   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:31:45 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5949570  | 5938763  | 5870150  | 5919494  | 0.73   | cps   |
| Molybdenum | 95-1  | 3172346  | 3176542  | 3167480  | 3172122  | 0.14   | cps   |
| Molybdenum | 96-1  | 4084703  | 4055906  | 4060357  | 4066989  | 0.38   | cps   |
| Molybdenum | 97-1  | 1956259  | 1964544  | 1967724  | 1962842  | 0.30   | cps   |
| Molybdenum | 98-1  | 5085404  | 5067994  | 5102117  | 5085172  | 0.34   | cps   |
| Neodymium  | 150-1 | 20       | 33       | 27       | 27       | 24.99  | cps   |
| Neodymium  | 150-2 | 3        | 3        | 7        | 4        | 43.40  | cps   |
| Nickel     | 60-2  | 144688   | 143013   | 145150   | 144283   | 0.78   | cps   |
| Phosphorus | 31-2  | 208      | 133      | 150      | 164      | 24.03  | cps   |
| Potassium  | 39-2  | 529472   | 523819   | 524559   | 525950   | 0.58   | cps   |
| Rhodium    | 103-1 | 14213316 | 14792014 | 14591530 | 14532287 | 2.02   | cps   |
| Rhodium    | 103-2 | 7039226  | 7046375  | 6762704  | 6949435  | 2.33   | cps   |
| Scandium   | 45-1  | 11019962 | 11442238 | 11317101 | 11259767 | 1.93   | cps   |
| Scandium   | 45-2  | 489191   | 493055   | 473584   | 485277   | 2.12   | cps   |
| Selenium   | 77-2  | 1920     | 1974     | 1913     | 1936     | 1.70   | cps   |
| Selenium   | 78-2  | 6611     | 6581     | 6539     | 6577     | 0.55   | cps   |
| Selenium   | 82-1  | 42148    | 42411    | 42071    | 42210    | 0.42   | cps   |
| Silicon    | 28-1  | 297213   | 299399   | 300597   | 299070   | 0.57   | cps   |
| Silver     | 109-1 | 1268856  | 1280267  | 1287811  | 1278978  | 0.75   | cps   |
| Silver     | 107-1 | 1331324  | 1328030  | 1344282  | 1334546  | 0.64   | cps   |
| Sodium     | 23-2  | 1148638  | 1140678  | 1139522  | 1142946  | 0.43   | cps   |
| Strontium  | 86-1  | 2127699  | 2126399  | 2139798  | 2131298  | 0.35   | cps   |
| Strontium  | 88-1  | 18656152 | 18470085 | 18619372 | 18581870 | 0.53   | cps   |
| Sulfur     | 34-1  | 218993   | 215654   | 213196   | 215948   | 1.35   | cps   |
| Terbium    | 159-1 | 20289160 | 21303235 | 20838457 | 20810284 | 2.44   | cps   |
| Terbium    | 159-2 | 10625619 | 10576627 | 10230168 | 10477471 | 2.06   | cps   |
| Thallium   | 203-1 | 2033647  | 2052758  | 2064058  | 2050154  | 0.75   | cps   |
| Thallium   | 205-1 | 4919758  | 4935404  | 4910133  | 4921765  | 0.26   | cps   |
| Thorium    | 232-1 | 19834194 | 19838275 | 19630843 | 19767771 | 0.60   | cps   |
| Tin        | 118-1 | 5455157  | 5449723  | 5421630  | 5442170  | 0.33   | cps   |
| Titanium   | 47-1  | 1024910  | 1025182  | 1021319  | 1023804  | 0.21   | cps   |
| Uranium    | 238-1 | 21984488 | 21692110 | 21802931 | 21826510 | 0.68   | cps   |
| Vanadium   | 51-2  | 277455   | 277036   | 277529   | 277340   | 0.10   | cps   |
| Yttrium    | 89-1  | 16416329 | 17070962 | 16793591 | 16760294 | 1.96   | cps   |
| Yttrium    | 89-2  | 2371784  | 2383393  | 2333447  | 2362875  | 1.11   | cps   |
| Zinc       | 66-2  | 113664   | 112902   | 112660   | 113075   | 0.46   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB98039             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-09-19 13:31:45 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zirconium | 90-1 | 11419057 | 11323162 | 11295226 | 11345815 | 0.57   | cps   |
| Zirconium | 91-1 | 2560205  | 2562299  | 2542618  | 2555041  | 0.42   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : LLICV01 Instrumnet Name : P7  
 Client Sample ID : LLICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 13:39:59 DataFile Name : 013LLIC.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2684     | 2775     | 2659     | 2706     | 2.27   | cps   |
| Antimony   | 121-1 | 20482    | 20032    | 18663    | 19726    | 4.80   | cps   |
| Arsenic    | 75-2  | 424      | 365      | 339      | 376      | 11.61  | cps   |
| Barium     | 135-1 | 25007    | 24965    | 24155    | 24709    | 1.94   | cps   |
| Barium     | 137-1 | 44163    | 43126    | 42223    | 43171    | 2.25   | cps   |
| Beryllium  | 9-1   | 3567     | 3573     | 3306     | 3482     | 4.38   | cps   |
| Bismuth    | 209-1 | 12927119 | 11810036 | 11574580 | 12103912 | 5.97   | cps   |
| Bismuth    | 209-2 | 7215977  | 7172083  | 6970114  | 7119392  | 1.84   | cps   |
| Boron      | 10-1  | 21892    | 21658    | 20731    | 21427    | 2.86   | cps   |
| Boron      | 11-1  | 99224    | 98043    | 94780    | 97349    | 2.36   | cps   |
| Cadmium    | 111-1 | 3628     | 3451     | 3244     | 3441     | 5.58   | cps   |
| Cadmium    | 106-1 | 5218     | 4918     | 4859     | 4998     | 3.85   | cps   |
| Cadmium    | 108-1 | 171      | 217      | 263      | 217      | 21.15  | cps   |
| Calcium    | 43-1  | 19747    | 18737    | 17745    | 18743    | 5.34   | cps   |
| Calcium    | 44-1  | 313442   | 306924   | 294963   | 305110   | 3.07   | cps   |
| Chromium   | 52-2  | 7842     | 7846     | 8032     | 7907     | 1.38   | cps   |
| Cobalt     | 59-2  | 5328     | 5655     | 5808     | 5597     | 4.38   | cps   |
| Copper     | 63-2  | 8986     | 9203     | 9170     | 9120     | 1.28   | cps   |
| Dysprosium | 156-1 | 0        | 17       | 17       | 11       | 86.60  | cps   |
| Dysprosium | 156-2 | 10       | 3        | 7        | 7        | 50.03  | cps   |
| Erbium     | 164-1 | 58       | 75       | 83       | 72       | 17.62  | cps   |
| Erbium     | 164-2 | 30       | 37       | 23       | 30       | 22.23  | cps   |
| Gadolinium | 160-1 | 108      | 92       | 108      | 103      | 9.36   | cps   |
| Gadolinium | 160-2 | 247      | 277      | 243      | 256      | 7.18   | cps   |
| Holmium    | 165-1 | 20083301 | 18414416 | 18043354 | 18847024 | 5.77   | cps   |
| Holmium    | 165-2 | 10058745 | 10131837 | 9830833  | 10007139 | 1.57   | cps   |
| Indium     | 115-1 | 15840875 | 14582260 | 14302045 | 14908393 | 5.50   | cps   |
| Indium     | 115-2 | 2898230  | 2881180  | 2778809  | 2852740  | 2.26   | cps   |
| Iron       | 56-2  | 147999   | 150227   | 149586   | 149271   | 0.77   | cps   |
| Iron       | 57-2  | 3634     | 3839     | 3967     | 3814     | 4.41   | cps   |
| Lead       | 206-1 | 9370     | 8731     | 8625     | 8909     | 4.52   | cps   |
| Lead       | 207-1 | 8331     | 8036     | 7597     | 7988     | 4.62   | cps   |
| Lead       | 208-1 | 37299    | 36760    | 35047    | 36369    | 3.23   | cps   |
| Lithium    | 6-1   | 6730185  | 6216459  | 6044117  | 6330254  | 5.64   | cps   |
| Magnesium  | 24-2  | 143305   | 144060   | 143253   | 143539   | 0.31   | cps   |
| Manganese  | 55-2  | 2017     | 1970     | 2180     | 2056     | 5.36   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7        |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:39:59 | DataFile Name :   | 013LLIC.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 23604    | 23979    | 22744    | 23442    | 2.70   | cps   |
| Molybdenum | 95-1  | 27594    | 27377    | 26083    | 27018    | 3.02   | cps   |
| Molybdenum | 96-1  | 30667    | 30509    | 30225    | 30467    | 0.74   | cps   |
| Molybdenum | 97-1  | 16852    | 17503    | 16285    | 16880    | 3.61   | cps   |
| Molybdenum | 98-1  | 45599    | 43217    | 42831    | 43882    | 3.42   | cps   |
| Neodymium  | 150-1 | 0        | 7        | 7        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 1593     | 1790     | 1577     | 1653     | 7.18   | cps   |
| Phosphorus | 31-2  | 208      | 117      | 183      | 169      | 27.97  | cps   |
| Potassium  | 39-2  | 138938   | 141233   | 140871   | 140347   | 0.88   | cps   |
| Rhodium    | 103-1 | 14956531 | 13715349 | 13414936 | 14028939 | 5.83   | cps   |
| Rhodium    | 103-2 | 6728870  | 6783977  | 6542330  | 6685059  | 1.89   | cps   |
| Scandium   | 45-1  | 11591521 | 10610733 | 10288116 | 10830124 | 6.27   | cps   |
| Scandium   | 45-2  | 469107   | 474367   | 459396   | 467623   | 1.62   | cps   |
| Selenium   | 77-2  | 23       | 60       | 50       | 44       | 42.65  | cps   |
| Selenium   | 78-2  | 230      | 211      | 213      | 218      | 4.68   | cps   |
| Selenium   | 82-1  | 1195     | 1079     | 1096     | 1123     | 5.57   | cps   |
| Silicon    | 28-1  | 382023   | 380587   | 371984   | 378198   | 1.44   | cps   |
| Silver     | 109-1 | 14216    | 13290    | 12506    | 13337    | 6.42   | cps   |
| Silver     | 107-1 | 14667    | 14016    | 13490    | 14057    | 4.19   | cps   |
| Sodium     | 23-2  | 289713   | 291123   | 293367   | 291401   | 0.63   | cps   |
| Strontium  | 86-1  | 4217     | 4784     | 4242     | 4415     | 7.26   | cps   |
| Strontium  | 88-1  | 33089    | 33874    | 32696    | 33220    | 1.81   | cps   |
| Sulfur     | 34-1  | 238868   | 235904   | 233748   | 236173   | 1.09   | cps   |
| Terbium    | 159-1 | 20994324 | 19075936 | 18901536 | 19657265 | 5.91   | cps   |
| Terbium    | 159-2 | 10025627 | 10032253 | 9739912  | 9932597  | 1.68   | cps   |
| Thallium   | 203-1 | 10646    | 10555    | 10113    | 10438    | 2.73   | cps   |
| Thallium   | 205-1 | 25909    | 24724    | 24465    | 25033    | 3.08   | cps   |
| Thorium    | 232-1 | 40898    | 40753    | 38747    | 40132    | 3.00   | cps   |
| Tin        | 118-1 | 47423    | 47247    | 45115    | 46595    | 2.76   | cps   |
| Titanium   | 47-1  | 8636     | 8628     | 8169     | 8478     | 3.15   | cps   |
| Uranium    | 238-1 | 36093    | 37213    | 34622    | 35976    | 3.61   | cps   |
| Vanadium   | 51-2  | 13573    | 13616    | 13860    | 13683    | 1.13   | cps   |
| Yttrium    | 89-1  | 17174705 | 15675570 | 15446594 | 16098956 | 5.83   | cps   |
| Yttrium    | 89-2  | 2272985  | 2285469  | 2219228  | 2259227  | 1.56   | cps   |
| Zinc       | 66-2  | 2564     | 2314     | 2457     | 2445     | 5.13   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | LLICV01             | Instrumnet Name : | P7        |
| Client Sample ID :      | LLICV01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:39:59 | DataFile Name :   | 013LLIC.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zirconium | 90-1 | 21851 | 22769 | 21408 | 22009   | 3.15   | cps   |
| Zirconium | 91-1 | 4651  | 5018  | 4926  | 4865    | 3.92   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 13:46:59 DataFile Name : 014CCBE.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 158      | 258      | 325      | 247      | 33.93  | cps   |
| Antimony   | 121-1 | 183      | 183      | 283      | 217      | 26.65  | cps   |
| Arsenic    | 75-2  | 4        | 6        | 0        | 3        | 91.69  | cps   |
| Barium     | 135-1 | 33       | 25       | 25       | 28       | 17.31  | cps   |
| Barium     | 137-1 | 42       | 75       | 58       | 58       | 28.57  | cps   |
| Beryllium  | 9-1   | 206      | 111      | 117      | 144      | 36.69  | cps   |
| Bismuth    | 209-1 | 12805126 | 12768425 | 12752251 | 12775267 | 0.21   | cps   |
| Bismuth    | 209-2 | 7629587  | 7661430  | 7637136  | 7642718  | 0.22   | cps   |
| Boron      | 10-1  | 5893     | 6076     | 5768     | 5912     | 2.62   | cps   |
| Boron      | 11-1  | 26674    | 26733    | 26248    | 26552    | 1.00   | cps   |
| Cadmium    | 111-1 | 1040     | 1059     | 1016     | 1038     | 2.07   | cps   |
| Cadmium    | 106-1 | 5134     | 5210     | 5051     | 5132     | 1.54   | cps   |
| Cadmium    | 108-1 | 4        | 0        | 13       | 6        | 114.53 | cps   |
| Calcium    | 43-1  | 283      | 275      | 350      | 303      | 13.58  | cps   |
| Calcium    | 44-1  | 10129    | 10346    | 10797    | 10424    | 3.27   | cps   |
| Chromium   | 52-2  | 607      | 620      | 660      | 629      | 4.41   | cps   |
| Cobalt     | 59-2  | 70       | 93       | 80       | 81       | 14.44  | cps   |
| Copper     | 63-2  | 1463     | 1427     | 1343     | 1411     | 4.36   | cps   |
| Dysprosium | 156-1 | 8        | 17       | 0        | 8        | 100.02 | cps   |
| Dysprosium | 156-2 | 20       | 7        | 0        | 9        | 114.55 | cps   |
| Erbium     | 164-1 | 67       | 33       | 75       | 58       | 37.80  | cps   |
| Erbium     | 164-2 | 30       | 30       | 37       | 32       | 11.95  | cps   |
| Gadolinium | 160-1 | 67       | 142      | 83       | 97       | 40.50  | cps   |
| Gadolinium | 160-2 | 243      | 263      | 303      | 270      | 11.31  | cps   |
| Holmium    | 165-1 | 19999997 | 19979151 | 20034717 | 20004622 | 0.14   | cps   |
| Holmium    | 165-2 | 10753581 | 10704004 | 10677923 | 10711836 | 0.36   | cps   |
| Indium     | 115-1 | 15932605 | 16025799 | 15880865 | 15946423 | 0.46   | cps   |
| Indium     | 115-2 | 3085988  | 3073467  | 3073863  | 3077773  | 0.23   | cps   |
| Iron       | 56-2  | 4401     | 4329     | 4534     | 4421     | 2.36   | cps   |
| Iron       | 57-2  | 211      | 133      | 206      | 183      | 23.67  | cps   |
| Lead       | 206-1 | 556      | 483      | 483      | 507      | 8.22   | cps   |
| Lead       | 207-1 | 428      | 361      | 456      | 415      | 11.70  | cps   |
| Lead       | 208-1 | 1967     | 1833     | 2056     | 1952     | 5.73   | cps   |
| Lithium    | 6-1   | 6731646  | 6781525  | 6698984  | 6737385  | 0.62   | cps   |
| Magnesium  | 24-2  | 250      | 267      | 367      | 294      | 21.43  | cps   |
| Manganese  | 55-2  | 60       | 37       | 60       | 52       | 25.79  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:46:59 | DataFile Name :   | 014CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 733      | 642      | 667      | 681      | 6.96   | cps   |
| Molybdenum | 95-1  | 233      | 200      | 158      | 197      | 19.05  | cps   |
| Molybdenum | 96-1  | 375      | 292      | 292      | 319      | 15.06  | cps   |
| Molybdenum | 97-1  | 83       | 158      | 142      | 128      | 30.82  | cps   |
| Molybdenum | 98-1  | 300      | 200      | 317      | 272      | 23.18  | cps   |
| Neodymium  | 150-1 | 0        | 7        | 0        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 90       | 57       | 50       | 66       | 32.69  | cps   |
| Phosphorus | 31-2  | 167      | 92       | 183      | 147      | 33.17  | cps   |
| Potassium  | 39-2  | 15217    | 14691    | 14691    | 14866    | 2.04   | cps   |
| Rhodium    | 103-1 | 15010575 | 15041306 | 15089711 | 15047197 | 0.27   | cps   |
| Rhodium    | 103-2 | 7240638  | 7255175  | 7225593  | 7240469  | 0.20   | cps   |
| Scandium   | 45-1  | 11628171 | 11693513 | 11669552 | 11663745 | 0.28   | cps   |
| Scandium   | 45-2  | 500223   | 501964   | 506427   | 502872   | 0.64   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 56       | 54       | 63       | 57       | 8.53   | cps   |
| Selenium   | 82-1  | 13       | 101      | 21       | 45       | 108.02 | cps   |
| Silicon    | 28-1  | 265898   | 267162   | 265524   | 266194   | 0.32   | cps   |
| Silver     | 109-1 | 108      | 133      | 100      | 114      | 15.23  | cps   |
| Silver     | 107-1 | 242      | 258      | 200      | 233      | 12.88  | cps   |
| Sodium     | 23-2  | 15617    | 15083    | 14024    | 14908    | 5.44   | cps   |
| Strontium  | 86-1  | 608      | 742      | 625      | 658      | 11.04  | cps   |
| Strontium  | 88-1  | 625      | 767      | 608      | 667      | 13.05  | cps   |
| Sulfur     | 34-1  | 246145   | 247896   | 248566   | 247535   | 0.51   | cps   |
| Terbium    | 159-1 | 20985324 | 20797042 | 20852504 | 20878290 | 0.46   | cps   |
| Terbium    | 159-2 | 10696012 | 10737262 | 10570241 | 10667838 | 0.82   | cps   |
| Thallium   | 203-1 | 225      | 258      | 333      | 272      | 20.38  | cps   |
| Thallium   | 205-1 | 575      | 758      | 617      | 650      | 14.79  | cps   |
| Thorium    | 232-1 | 1233     | 1333     | 1250     | 1272     | 4.21   | cps   |
| Tin        | 118-1 | 3301     | 3551     | 3792     | 3548     | 6.93   | cps   |
| Titanium   | 47-1  | 117      | 158      | 192      | 156      | 24.16  | cps   |
| Uranium    | 238-1 | 33       | 42       | 75       | 50       | 44.10  | cps   |
| Vanadium   | 51-2  | 13       | 17       | 20       | 17       | 20.01  | cps   |
| Yttrium    | 89-1  | 17291944 | 17279074 | 17307510 | 17292843 | 0.08   | cps   |
| Yttrium    | 89-2  | 2456907  | 2453221  | 2450746  | 2453624  | 0.13   | cps   |
| Zinc       | 66-2  | 933      | 877      | 1037     | 949      | 8.55   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:46:59 | DataFile Name :   | 014CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1633 | 1467 | 1550 | 1550    | 5.38   | cps   |
| Zirconium | 91-1 | 375  | 317  | 375  | 356     | 9.47   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P7  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 13:50:34 DataFile Name : 015ICSA01.d

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 10387590  | 10232566  | 10415599  | 10345252  | 0.95   | cps   |
| Antimony   | 121-1 | 10855     | 11530     | 11614     | 11333     | 3.67   | cps   |
| Arsenic    | 75-2  | 96        | 104       | 104       | 101       | 4.22   | cps   |
| Barium     | 135-1 | 3592      | 3225      | 3526      | 3448      | 5.67   | cps   |
| Barium     | 137-1 | 6302      | 6410      | 6485      | 6399      | 1.44   | cps   |
| Beryllium  | 9-1   | 945       | 889       | 839       | 891       | 5.93   | cps   |
| Bismuth    | 209-1 | 11306903  | 11454757  | 11477304  | 11412988  | 0.81   | cps   |
| Bismuth    | 209-2 | 6449581   | 6524144   | 6549239   | 6507655   | 0.80   | cps   |
| Boron      | 10-1  | 6035      | 6010      | 5743      | 5929      | 2.73   | cps   |
| Boron      | 11-1  | 27284     | 28394     | 25773     | 27150     | 4.85   | cps   |
| Cadmium    | 111-1 | 1598      | 1730      | 1400      | 1576      | 10.53  | cps   |
| Cadmium    | 106-1 | 4601      | 4734      | 4518      | 4618      | 2.37   | cps   |
| Cadmium    | 108-1 | 1900      | 1954      | 2009      | 1954      | 2.77   | cps   |
| Calcium    | 43-1  | 3360158   | 3412372   | 3409947   | 3394159   | 0.87   | cps   |
| Calcium    | 44-1  | 53553395  | 54597587  | 54307332  | 54152771  | 1.00   | cps   |
| Chromium   | 52-2  | 62783     | 62961     | 63024     | 62923     | 0.20   | cps   |
| Cobalt     | 59-2  | 5741      | 5971      | 5781      | 5831      | 2.11   | cps   |
| Copper     | 63-2  | 26481     | 26384     | 26711     | 26525     | 0.63   | cps   |
| Dysprosium | 156-1 | 58        | 67        | 25        | 50        | 44.10  | cps   |
| Dysprosium | 156-2 | 30        | 17        | 27        | 24        | 28.38  | cps   |
| Erbium     | 164-1 | 100       | 75        | 58        | 78        | 26.96  | cps   |
| Erbium     | 164-2 | 80        | 40        | 60        | 60        | 33.33  | cps   |
| Gadolinium | 160-1 | 142       | 75        | 158       | 125       | 35.28  | cps   |
| Gadolinium | 160-2 | 290       | 250       | 243       | 261       | 9.67   | cps   |
| Holmium    | 165-1 | 19095833  | 19446923  | 19433822  | 19325526  | 1.03   | cps   |
| Holmium    | 165-2 | 9970400   | 9929674   | 10080280  | 9993452   | 0.78   | cps   |
| Indium     | 115-1 | 14029474  | 14358669  | 14209523  | 14199222  | 1.16   | cps   |
| Indium     | 115-2 | 2671880   | 2665787   | 2681845   | 2673171   | 0.30   | cps   |
| Iron       | 56-2  | 262767111 | 261968523 | 262620006 | 262451880 | 0.16   | cps   |
| Iron       | 57-2  | 6281999   | 6259827   | 6332650   | 6291492   | 0.59   | cps   |
| Lead       | 206-1 | 36473     | 36935     | 36902     | 36770     | 0.70   | cps   |
| Lead       | 207-1 | 29055     | 29389     | 29789     | 29411     | 1.25   | cps   |
| Lead       | 208-1 | 138487    | 138749    | 140858    | 139365    | 0.93   | cps   |
| Lithium    | 6-1   | 5981545   | 6043457   | 6016507   | 6013836   | 0.52   | cps   |
| Magnesium  | 24-2  | 26240894  | 26091230  | 26392266  | 26241464  | 0.57   | cps   |
| Manganese  | 55-2  | 14648     | 14297     | 14571     | 14505     | 1.27   | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB98039             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-09-19 13:50:34 | DataFile Name :   | 015ICSA01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5550108  | 5602949  | 5605623  | 5586227  | 0.56   | cps   |
| Molybdenum | 95-1  | 9701800  | 9821705  | 9853961  | 9792489  | 0.82   | cps   |
| Molybdenum | 96-1  | 10299103 | 10465403 | 10463941 | 10409482 | 0.92   | cps   |
| Molybdenum | 97-1  | 6119930  | 6219998  | 6246827  | 6195585  | 1.08   | cps   |
| Molybdenum | 98-1  | 15469886 | 15721369 | 15824294 | 15671849 | 1.16   | cps   |
| Neodymium  | 150-1 | 13       | 40       | 53       | 36       | 57.29  | cps   |
| Neodymium  | 150-2 | 23       | 13       | 10       | 16       | 44.60  | cps   |
| Nickel     | 60-2  | 6832     | 6688     | 6708     | 6743     | 1.15   | cps   |
| Phosphorus | 31-2  | 576934   | 574854   | 587816   | 579868   | 1.20   | cps   |
| Potassium  | 39-2  | 23217572 | 23109100 | 23494299 | 23273657 | 0.85   | cps   |
| Rhodium    | 103-1 | 12658200 | 12856350 | 12766239 | 12760263 | 0.78   | cps   |
| Rhodium    | 103-2 | 6058047  | 6064554  | 6107243  | 6076615  | 0.44   | cps   |
| Scandium   | 45-1  | 10386232 | 10485365 | 10361104 | 10410900 | 0.63   | cps   |
| Scandium   | 45-2  | 439082   | 440432   | 448503   | 442672   | 1.15   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 72       | 39       | 43       | 51       | 35.66  | cps   |
| Selenium   | 82-1  | 69       | 72       | 102      | 81       | 22.78  | cps   |
| Silicon    | 28-1  | 390678   | 390629   | 393567   | 391625   | 0.43   | cps   |
| Silver     | 109-1 | 467      | 483      | 608      | 519      | 14.91  | cps   |
| Silver     | 107-1 | 417      | 575      | 583      | 525      | 17.89  | cps   |
| Sodium     | 23-2  | 50862678 | 50963305 | 51624311 | 51150098 | 0.81   | cps   |
| Strontium  | 86-1  | 109717   | 110036   | 112808   | 110854   | 1.53   | cps   |
| Strontium  | 88-1  | 936951   | 955632   | 955622   | 949402   | 1.14   | cps   |
| Sulfur     | 34-1  | 5748022  | 5812865  | 5778898  | 5779928  | 0.56   | cps   |
| Terbium    | 159-1 | 19799967 | 20002408 | 19985193 | 19929189 | 0.56   | cps   |
| Terbium    | 159-2 | 9803123  | 9818539  | 9908215  | 9843292  | 0.58   | cps   |
| Thallium   | 203-1 | 725      | 825      | 900      | 817      | 10.75  | cps   |
| Thallium   | 205-1 | 1859     | 2025     | 1884     | 1922     | 4.68   | cps   |
| Thorium    | 232-1 | 1228     | 1428     | 1178     | 1278     | 10.35  | cps   |
| Tin        | 118-1 | 4167     | 4451     | 4334     | 4318     | 3.30   | cps   |
| Titanium   | 47-1  | 3097018  | 3108330  | 3128557  | 3111302  | 0.51   | cps   |
| Uranium    | 238-1 | 600      | 650      | 508      | 586      | 12.26  | cps   |
| Vanadium   | 51-2  | 447      | 500      | 423      | 457      | 8.61   | cps   |
| Yttrium    | 89-1  | 15555097 | 15796824 | 15733196 | 15695039 | 0.80   | cps   |
| Yttrium    | 89-2  | 2170159  | 2176937  | 2203554  | 2183550  | 0.81   | cps   |
| Zinc       | 66-2  | 6098     | 6135     | 5908     | 6047     | 2.01   | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB98039             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-09-19 13:50:34 | DataFile Name :   | 015ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 2100 | 2292 | 1917 | 2103    | 8.92   | cps   |
| Zirconium | 91-1 | 483  | 500  | 633  | 539     | 15.26  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:54:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 10714791  | 10658266  | 10648366  | 10673807  | 0.34   | cps   |
| Antimony   | 121-1 | 194800    | 193886    | 193363    | 194016    | 0.37   | cps   |
| Arsenic    | 75-2  | 6374      | 6281      | 6331      | 6329      | 0.73   | cps   |
| Barium     | 135-1 | 53044     | 53019     | 53111     | 53058     | 0.09   | cps   |
| Barium     | 137-1 | 92810     | 94177     | 92339     | 93108     | 1.03   | cps   |
| Beryllium  | 9-1   | 60258     | 58853     | 58702     | 59271     | 1.45   | cps   |
| Bismuth    | 209-1 | 11550989  | 11502105  | 11538566  | 11530553  | 0.22   | cps   |
| Bismuth    | 209-2 | 6673041   | 6630988   | 6605865   | 6636631   | 0.51   | cps   |
| Boron      | 10-1  | 4476      | 4351      | 4076      | 4301      | 4.76   | cps   |
| Boron      | 11-1  | 19371     | 19522     | 19338     | 19410     | 0.50   | cps   |
| Cadmium    | 111-1 | 48071     | 46965     | 47079     | 47372     | 1.28   | cps   |
| Cadmium    | 106-1 | 9153      | 9470      | 8595      | 9073      | 4.89   | cps   |
| Cadmium    | 108-1 | 4968      | 5176      | 5272      | 5139      | 3.03   | cps   |
| Calcium    | 43-1  | 3436127   | 3488388   | 3460858   | 3461791   | 0.76   | cps   |
| Calcium    | 44-1  | 54509951  | 55155882  | 55024353  | 54896729  | 0.62   | cps   |
| Chromium   | 52-2  | 127859    | 129210    | 128803    | 128624    | 0.54   | cps   |
| Cobalt     | 59-2  | 105969    | 105899    | 106100    | 105989    | 0.10   | cps   |
| Copper     | 63-2  | 96673     | 97314     | 96244     | 96744     | 0.56   | cps   |
| Dysprosium | 156-1 | 25        | 50        | 25        | 33        | 43.30  | cps   |
| Dysprosium | 156-2 | 17        | 17        | 37        | 23        | 49.48  | cps   |
| Erbium     | 164-1 | 117       | 133       | 83        | 111       | 22.91  | cps   |
| Erbium     | 164-2 | 67        | 47        | 30        | 48        | 38.43  | cps   |
| Gadolinium | 160-1 | 158       | 158       | 133       | 150       | 9.62   | cps   |
| Gadolinium | 160-2 | 247       | 300       | 297       | 281       | 10.63  | cps   |
| Holmium    | 165-1 | 19689369  | 19542440  | 19616435  | 19616081  | 0.37   | cps   |
| Holmium    | 165-2 | 10213960  | 10198980  | 10128555  | 10180498  | 0.45   | cps   |
| Indium     | 115-1 | 14589525  | 14512253  | 14601444  | 14567741  | 0.33   | cps   |
| Indium     | 115-2 | 2760742   | 2730891   | 2729507   | 2740380   | 0.64   | cps   |
| Iron       | 56-2  | 270296956 | 269783250 | 267476112 | 269185439 | 0.56   | cps   |
| Iron       | 57-2  | 6441979   | 6444745   | 6481141   | 6455955   | 0.34   | cps   |
| Lead       | 206-1 | 194128    | 198256    | 196571    | 196318    | 1.06   | cps   |
| Lead       | 207-1 | 165360    | 166394    | 168796    | 166850    | 1.06   | cps   |
| Lead       | 208-1 | 762418    | 765052    | 772124    | 766531    | 0.65   | cps   |
| Lithium    | 6-1   | 6050557   | 6089454   | 6038106   | 6059372   | 0.44   | cps   |
| Magnesium  | 24-2  | 27087356  | 27043089  | 26921116  | 27017187  | 0.32   | cps   |
| Manganese  | 55-2  | 52707     | 52945     | 52085     | 52579     | 0.84   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:54:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5687721  | 5712157  | 5689950  | 5696610  | 0.24   | cps   |
| Molybdenum | 95-1  | 9947564  | 9982603  | 9985221  | 9971796  | 0.21   | cps   |
| Molybdenum | 96-1  | 10626995 | 10587367 | 10587350 | 10600571 | 0.22   | cps   |
| Molybdenum | 97-1  | 6290098  | 6316622  | 6329311  | 6312010  | 0.32   | cps   |
| Molybdenum | 98-1  | 15915359 | 16036433 | 16038836 | 15996876 | 0.44   | cps   |
| Neodymium  | 150-1 | 80       | 33       | 33       | 49       | 55.11  | cps   |
| Neodymium  | 150-2 | 23       | 13       | 27       | 21       | 32.88  | cps   |
| Nickel     | 60-2  | 32733    | 32717    | 32145    | 32532    | 1.03   | cps   |
| Phosphorus | 31-2  | 601305   | 606253   | 596124   | 601227   | 0.84   | cps   |
| Potassium  | 39-2  | 24037304 | 23963458 | 23818944 | 23939902 | 0.46   | cps   |
| Rhodium    | 103-1 | 13044765 | 13075373 | 13134759 | 13084966 | 0.35   | cps   |
| Rhodium    | 103-2 | 6250764  | 6255959  | 6226914  | 6244546  | 0.25   | cps   |
| Scandium   | 45-1  | 10578263 | 10706378 | 10583049 | 10622564 | 0.68   | cps   |
| Scandium   | 45-2  | 459261   | 453514   | 456005   | 456260   | 0.63   | cps   |
| Selenium   | 77-2  | 200      | 157      | 150      | 169      | 16.07  | cps   |
| Selenium   | 78-2  | 652      | 559      | 665      | 625      | 9.21   | cps   |
| Selenium   | 82-1  | 3755     | 3856     | 3716     | 3776     | 1.92   | cps   |
| Silicon    | 28-1  | 407610   | 415161   | 414151   | 412307   | 0.99   | cps   |
| Silver     | 109-1 | 225623   | 225658   | 224549   | 225276   | 0.28   | cps   |
| Silver     | 107-1 | 230799   | 234110   | 231902   | 232270   | 0.73   | cps   |
| Sodium     | 23-2  | 52942386 | 52131810 | 52776123 | 52616773 | 0.81   | cps   |
| Strontium  | 86-1  | 114629   | 113696   | 116695   | 115007   | 1.33   | cps   |
| Strontium  | 88-1  | 978507   | 988224   | 985165   | 983965   | 0.50   | cps   |
| Sulfur     | 34-1  | 5835864  | 5895581  | 5944061  | 5891835  | 0.92   | cps   |
| Terbium    | 159-1 | 20270687 | 20243133 | 20329285 | 20281035 | 0.22   | cps   |
| Terbium    | 159-2 | 10139672 | 10029278 | 10029932 | 10066294 | 0.63   | cps   |
| Thallium   | 203-1 | 198221   | 194324   | 196183   | 196243   | 0.99   | cps   |
| Thallium   | 205-1 | 466173   | 465822   | 467731   | 466575   | 0.22   | cps   |
| Thorium    | 232-1 | 889      | 972      | 850      | 904      | 6.91   | cps   |
| Tin        | 118-1 | 4234     | 3842     | 4001     | 4026     | 4.90   | cps   |
| Titanium   | 47-1  | 3178473  | 3191152  | 3176658  | 3182095  | 0.25   | cps   |
| Uranium    | 238-1 | 617      | 642      | 692      | 650      | 5.88   | cps   |
| Vanadium   | 51-2  | 52955    | 53453    | 53206    | 53204    | 0.47   | cps   |
| Yttrium    | 89-1  | 16028818 | 16166710 | 16168059 | 16121196 | 0.50   | cps   |
| Yttrium    | 89-2  | 2237300  | 2262339  | 2246364  | 2248668  | 0.56   | cps   |
| Zinc       | 66-2  | 15655    | 15875    | 15669    | 15733    | 0.78   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 13:54:11 | DataFile Name :   | 016ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 2009 | 2067 | 2125 | 2067    | 2.82   | cps   |
| Zirconium | 91-1 | 558  | 458  | 383  | 467     | 18.81  | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV04               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV04               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 13:57:48 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 6564017   | 6580812   | 6574762   | 6573197   | 0.13   | cps   |
| Antimony   | 121-1 | 4793799   | 4777665   | 4766376   | 4779280   | 0.29   | cps   |
| Arsenic    | 75-2  | 165259    | 165962    | 165839    | 165687    | 0.23   | cps   |
| Barium     | 135-1 | 6517319   | 6429210   | 6447678   | 6464735   | 0.72   | cps   |
| Barium     | 137-1 | 11268025  | 11248184  | 11237172  | 11251127  | 0.14   | cps   |
| Beryllium  | 9-1   | 1487236   | 1495392   | 1506886   | 1496505   | 0.66   | cps   |
| Bismuth    | 209-1 | 10944251  | 11012232  | 11127731  | 11028071  | 0.84   | cps   |
| Bismuth    | 209-2 | 6386099   | 6377582   | 6411413   | 6391698   | 0.28   | cps   |
| Boron      | 10-1  | 223945    | 236899    | 235456    | 232100    | 3.06   | cps   |
| Boron      | 11-1  | 1052713   | 1072345   | 1094454   | 1073171   | 1.95   | cps   |
| Cadmium    | 111-1 | 1140692   | 1153969   | 1159734   | 1151465   | 0.85   | cps   |
| Cadmium    | 106-1 | 139219    | 141871    | 140616    | 140569    | 0.94   | cps   |
| Cadmium    | 108-1 | 93179     | 93694     | 93871     | 93581     | 0.38   | cps   |
| Calcium    | 43-1  | 9233453   | 9227289   | 9231869   | 9230870   | 0.03   | cps   |
| Calcium    | 44-1  | 147646803 | 146700307 | 147469457 | 147272189 | 0.34   | cps   |
| Chromium   | 52-2  | 1762480   | 1764949   | 1770958   | 1766129   | 0.25   | cps   |
| Cobalt     | 59-2  | 2651975   | 2647064   | 2648210   | 2649083   | 0.10   | cps   |
| Copper     | 63-2  | 3444330   | 3447087   | 3433162   | 3441526   | 0.21   | cps   |
| Dysprosium | 156-1 | 142       | 192       | 100       | 144       | 31.77  | cps   |
| Dysprosium | 156-2 | 107       | 97        | 117       | 107       | 9.37   | cps   |
| Erbium     | 164-1 | 83        | 75        | 42        | 67        | 33.07  | cps   |
| Erbium     | 164-2 | 33        | 27        | 27        | 29        | 13.31  | cps   |
| Gadolinium | 160-1 | 125       | 183       | 175       | 161       | 19.58  | cps   |
| Gadolinium | 160-2 | 263       | 293       | 307       | 288       | 7.71   | cps   |
| Holmium    | 165-1 | 19701256  | 19784429  | 19705807  | 19730497  | 0.24   | cps   |
| Holmium    | 165-2 | 10142073  | 10249393  | 10166705  | 10186057  | 0.55   | cps   |
| Indium     | 115-1 | 14411576  | 14527511  | 14474895  | 14471327  | 0.40   | cps   |
| Indium     | 115-2 | 2715058   | 2738642   | 2714389   | 2722697   | 0.51   | cps   |
| Iron       | 56-2  | 355642919 | 356058830 | 356029586 | 355910445 | 0.07   | cps   |
| Iron       | 57-2  | 8562219   | 8512760   | 8511483   | 8528821   | 0.34   | cps   |
| Lead       | 206-1 | 3948379   | 3959675   | 3975707   | 3961254   | 0.35   | cps   |
| Lead       | 207-1 | 3608777   | 3602335   | 3649289   | 3620134   | 0.70   | cps   |
| Lead       | 208-1 | 16162342  | 16101686  | 16297040  | 16187023  | 0.62   | cps   |
| Lithium    | 6-1   | 5983630   | 6045339   | 6029712   | 6019560   | 0.53   | cps   |
| Magnesium  | 24-2  | 72107310  | 73015314  | 72519568  | 72547397  | 0.63   | cps   |
| Manganese  | 55-2  | 2014809   | 2020309   | 2023442   | 2019520   | 0.22   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV04               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV04               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 13:57:48 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Molybdenum | 94-1  | 11323249  | 11294467  | 11284110  | 11300609  | 0.18   | cps   |
| Molybdenum | 95-1  | 13742416  | 13664002  | 13664149  | 13690189  | 0.33   | cps   |
| Molybdenum | 96-1  | 15249207  | 15099808  | 15090474  | 15146496  | 0.59   | cps   |
| Molybdenum | 97-1  | 8692042   | 8640599   | 8583165   | 8638602   | 0.63   | cps   |
| Molybdenum | 98-1  | 21855685  | 21872383  | 21782119  | 21836729  | 0.22   | cps   |
| Neodymium  | 150-1 | 433       | 380       | 360       | 391       | 9.69   | cps   |
| Neodymium  | 150-2 | 73        | 77        | 80        | 77        | 4.34   | cps   |
| Nickel     | 60-2  | 674315    | 673877    | 674982    | 674391    | 0.08   | cps   |
| Phosphorus | 31-2  | 67947     | 66666     | 68600     | 67738     | 1.45   | cps   |
| Potassium  | 39-2  | 32898925  | 32832068  | 32925069  | 32885354  | 0.15   | cps   |
| Rhodium    | 103-1 | 12835205  | 12907267  | 12886915  | 12876462  | 0.29   | cps   |
| Rhodium    | 103-2 | 6080299   | 6120062   | 6064268   | 6088210   | 0.47   | cps   |
| Scandium   | 45-1  | 10885909  | 10949124  | 10941991  | 10925675  | 0.32   | cps   |
| Scandium   | 45-2  | 479354    | 481543    | 484152    | 481683    | 0.50   | cps   |
| Selenium   | 77-2  | 4291      | 4227      | 4474      | 4331      | 2.96   | cps   |
| Selenium   | 78-2  | 14053     | 14463     | 14361     | 14292     | 1.49   | cps   |
| Selenium   | 82-1  | 92930     | 93409     | 93729     | 93356     | 0.43   | cps   |
| Silicon    | 28-1  | 4758993   | 4786525   | 4861891   | 4802469   | 1.11   | cps   |
| Silver     | 109-1 | 6105345   | 6136831   | 6120487   | 6120888   | 0.26   | cps   |
| Silver     | 107-1 | 6337857   | 6325331   | 6317635   | 6326941   | 0.16   | cps   |
| Sodium     | 23-2  | 140877445 | 140631066 | 140998878 | 140835796 | 0.13   | cps   |
| Strontium  | 86-1  | 1754599   | 1780185   | 1767860   | 1767548   | 0.72   | cps   |
| Strontium  | 88-1  | 15467869  | 15446033  | 15455786  | 15456562  | 0.07   | cps   |
| Sulfur     | 34-1  | 851105    | 856789    | 848781    | 852225    | 0.48   | cps   |
| Terbium    | 159-1 | 20288083  | 20335646  | 20288264  | 20303998  | 0.13   | cps   |
| Terbium    | 159-2 | 10065350  | 10126908  | 10058842  | 10083700  | 0.37   | cps   |
| Thallium   | 203-1 | 5040155   | 5080206   | 5067411   | 5062591   | 0.40   | cps   |
| Thallium   | 205-1 | 11754764  | 11830648  | 11785509  | 11790307  | 0.32   | cps   |
| Thorium    | 232-1 | 18189446  | 18173176  | 18147735  | 18170119  | 0.12   | cps   |
| Tin        | 118-1 | 4379659   | 4357183   | 4354218   | 4363686   | 0.32   | cps   |
| Titanium   | 47-1  | 4286987   | 4261602   | 4246655   | 4265081   | 0.48   | cps   |
| Uranium    | 238-1 | 17195769  | 17325165  | 17296391  | 17272442  | 0.39   | cps   |
| Vanadium   | 51-2  | 1438891   | 1446073   | 1441750   | 1442238   | 0.25   | cps   |
| Yttrium    | 89-1  | 16312553  | 16394007  | 16337463  | 16348008  | 0.26   | cps   |
| Yttrium    | 89-2  | 2292047   | 2322530   | 2334085   | 2316221   | 0.94   | cps   |
| Zinc       | 66-2  | 472083    | 478214    | 477846    | 476047    | 0.72   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV04               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV04               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 13:57:48 | DataFile Name :   | 017CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 9563930 | 9565468 | 9580266 | 9569888 | 0.09   | cps   |
| Zirconium | 91-1 | 2068240 | 2073609 | 2086879 | 2076243 | 0.46   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB04               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB04               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:23:27 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 267      | 217      | 192      | 225      | 16.97  | cps   |
| Antimony   | 121-1 | 167      | 175      | 217      | 186      | 14.39  | cps   |
| Arsenic    | 75-2  | 2        | 2        | 7        | 4        | 86.68  | cps   |
| Barium     | 135-1 | 117      | 117      | 58       | 97       | 34.64  | cps   |
| Barium     | 137-1 | 242      | 108      | 158      | 169      | 39.75  | cps   |
| Beryllium  | 9-1   | 106      | 106      | 144      | 119      | 18.94  | cps   |
| Bismuth    | 209-1 | 12789354 | 13057020 | 12965823 | 12937399 | 1.05   | cps   |
| Bismuth    | 209-2 | 7668985  | 7598543  | 7655305  | 7640944  | 0.49   | cps   |
| Boron      | 10-1  | 2475     | 2134     | 2159     | 2256     | 8.44   | cps   |
| Boron      | 11-1  | 10546    | 10429    | 10145    | 10373    | 1.98   | cps   |
| Cadmium    | 111-1 | 978      | 968      | 1056     | 1001     | 4.85   | cps   |
| Cadmium    | 106-1 | 4676     | 4851     | 5218     | 4915     | 5.63   | cps   |
| Cadmium    | 108-1 | 13       | 17       | 4        | 11       | 57.27  | cps   |
| Calcium    | 43-1  | 458      | 333      | 367      | 386      | 16.76  | cps   |
| Calcium    | 44-1  | 12640    | 12156    | 13007    | 12601    | 3.39   | cps   |
| Chromium   | 52-2  | 710      | 683      | 697      | 697      | 1.91   | cps   |
| Cobalt     | 59-2  | 100      | 100      | 83       | 94       | 10.19  | cps   |
| Copper     | 63-2  | 1683     | 1800     | 1753     | 1746     | 3.36   | cps   |
| Dysprosium | 156-1 | 8        | 8        | 0        | 6        | 86.60  | cps   |
| Dysprosium | 156-2 | 7        | 3        | 3        | 4        | 43.40  | cps   |
| Erbium     | 164-1 | 75       | 25       | 42       | 47       | 53.91  | cps   |
| Erbium     | 164-2 | 47       | 17       | 40       | 34       | 45.73  | cps   |
| Gadolinium | 160-1 | 117      | 67       | 92       | 92       | 27.27  | cps   |
| Gadolinium | 160-2 | 277      | 267      | 327      | 290      | 11.09  | cps   |
| Holmium    | 165-1 | 20205123 | 20822285 | 20609640 | 20545683 | 1.53   | cps   |
| Holmium    | 165-2 | 10810253 | 10667401 | 10746165 | 10741273 | 0.67   | cps   |
| Indium     | 115-1 | 16216324 | 16496096 | 16264328 | 16325583 | 0.92   | cps   |
| Indium     | 115-2 | 3143047  | 3089499  | 3096207  | 3109585  | 0.94   | cps   |
| Iron       | 56-2  | 7958     | 8091     | 8102     | 8051     | 1.00   | cps   |
| Iron       | 57-2  | 300      | 322      | 244      | 289      | 13.87  | cps   |
| Lead       | 206-1 | 578      | 567      | 589      | 578      | 1.92   | cps   |
| Lead       | 207-1 | 572      | 517      | 583      | 557      | 6.41   | cps   |
| Lead       | 208-1 | 2339     | 2306     | 2306     | 2317     | 0.83   | cps   |
| Lithium    | 6-1   | 6736549  | 6866675  | 6845289  | 6816171  | 1.02   | cps   |
| Magnesium  | 24-2  | 792      | 825      | 1092     | 903      | 18.21  | cps   |
| Manganese  | 55-2  | 103      | 53       | 130      | 96       | 40.73  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB04               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB04               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:23:27 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD  | Units |
|------------|-------|----------|----------|----------|----------|---------|-------|
| Molybdenum | 94-1  | 692      | 642      | 667      | 667      | 3.75    | cps   |
| Molybdenum | 95-1  | 333      | 242      | 242      | 272      | 19.44   | cps   |
| Molybdenum | 96-1  | 467      | 450      | 317      | 411      | 20.00   | cps   |
| Molybdenum | 97-1  | 167      | 192      | 150      | 169      | 12.38   | cps   |
| Molybdenum | 98-1  | 492      | 408      | 367      | 422      | 15.07   | cps   |
| Neodymium  | 150-1 | 7        | 0        | 0        | 2        | 173.21  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 7        | 2        | 173.21  | cps   |
| Nickel     | 60-2  | 93       | 60       | 80       | 78       | 21.57   | cps   |
| Phosphorus | 31-2  | 142      | 117      | 125      | 128      | 9.96    | cps   |
| Potassium  | 39-2  | 15701    | 16510    | 15692    | 15968    | 2.94    | cps   |
| Rhodium    | 103-1 | 15319744 | 15653089 | 15496095 | 15489643 | 1.08    | cps   |
| Rhodium    | 103-2 | 7371981  | 7312695  | 7292688  | 7325788  | 0.56    | cps   |
| Scandium   | 45-1  | 11827799 | 12065255 | 12023111 | 11972055 | 1.06    | cps   |
| Scandium   | 45-2  | 517665   | 510158   | 513150   | 513658   | 0.74    | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00    | cps   |
| Selenium   | 78-2  | 39       | 67       | 50       | 52       | 26.97   | cps   |
| Selenium   | 82-1  | 76       | -22      | -80      | -9       | -905.58 | cps   |
| Silicon    | 28-1  | 276350   | 272879   | 275535   | 274921   | 0.66    | cps   |
| Silver     | 109-1 | 100      | 175      | 192      | 156      | 31.39   | cps   |
| Silver     | 107-1 | 133      | 192      | 250      | 192      | 30.43   | cps   |
| Sodium     | 23-2  | 14624    | 15400    | 15108    | 15044    | 2.60    | cps   |
| Strontium  | 86-1  | 550      | 525      | 558      | 544      | 3.19    | cps   |
| Strontium  | 88-1  | 767      | 833      | 858      | 820      | 5.78    | cps   |
| Sulfur     | 34-1  | 259565   | 258157   | 259592   | 259105   | 0.32    | cps   |
| Terbium    | 159-1 | 20978429 | 21471773 | 21306861 | 21252354 | 1.18    | cps   |
| Terbium    | 159-2 | 10790062 | 10634949 | 10654267 | 10693092 | 0.79    | cps   |
| Thallium   | 203-1 | 225      | 242      | 267      | 244      | 8.58    | cps   |
| Thallium   | 205-1 | 500      | 508      | 583      | 531      | 8.65    | cps   |
| Thorium    | 232-1 | 561      | 500      | 456      | 506      | 10.48   | cps   |
| Tin        | 118-1 | 3401     | 3542     | 3642     | 3528     | 3.44    | cps   |
| Titanium   | 47-1  | 175      | 167      | 142      | 161      | 10.77   | cps   |
| Uranium    | 238-1 | 158      | 150      | 150      | 153      | 3.15    | cps   |
| Vanadium   | 51-2  | 23       | 20       | 20       | 21       | 9.11    | cps   |
| Yttrium    | 89-1  | 17590394 | 17850329 | 17804967 | 17748563 | 0.78    | cps   |
| Yttrium    | 89-2  | 2509444  | 2481481  | 2485456  | 2492127  | 0.61    | cps   |
| Zinc       | 66-2  | 1127     | 1010     | 1123     | 1087     | 6.11    | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB04               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB04               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:23:27 | DataFile Name :   | 018CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1850 | 1500 | 1784 | 1711    | 10.86  | cps   |
| Zirconium | 91-1 | 367  | 367  | 358  | 364     | 1.32   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : CRI Instrumnet Name : P7  
 Client Sample ID : CRI Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 14:27:01 DataFile Name : 019LLIC.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2792     | 2709     | 2992     | 2831     | 5.14   | cps   |
| Antimony   | 121-1 | 19965    | 19865    | 20099    | 19976    | 0.59   | cps   |
| Arsenic    | 75-2  | 380      | 330      | 344      | 351      | 7.31   | cps   |
| Barium     | 135-1 | 25691    | 26351    | 25683    | 25908    | 1.48   | cps   |
| Barium     | 137-1 | 45743    | 46905    | 45868    | 46172    | 1.38   | cps   |
| Beryllium  | 9-1   | 3462     | 3439     | 3667     | 3523     | 3.57   | cps   |
| Bismuth    | 209-1 | 12900275 | 12845600 | 12716038 | 12820637 | 0.74   | cps   |
| Bismuth    | 209-2 | 7652921  | 7616705  | 7630866  | 7633497  | 0.24   | cps   |
| Boron      | 10-1  | 12964    | 13923    | 14491    | 13793    | 5.59   | cps   |
| Boron      | 11-1  | 61560    | 61777    | 65091    | 62809    | 3.15   | cps   |
| Cadmium    | 111-1 | 3846     | 3656     | 3560     | 3688     | 3.95   | cps   |
| Cadmium    | 106-1 | 5793     | 5493     | 5635     | 5640     | 2.66   | cps   |
| Cadmium    | 108-1 | 250      | 200      | 204      | 218      | 12.72  | cps   |
| Calcium    | 43-1  | 19505    | 19964    | 20264    | 19911    | 1.92   | cps   |
| Calcium    | 44-1  | 322481   | 323759   | 323700   | 323313   | 0.22   | cps   |
| Chromium   | 52-2  | 8199     | 8833     | 8689     | 8574     | 3.88   | cps   |
| Cobalt     | 59-2  | 6121     | 6141     | 5975     | 6079     | 1.50   | cps   |
| Copper     | 63-2  | 10197    | 9743     | 10004    | 9981     | 2.28   | cps   |
| Dysprosium | 156-1 | 17       | 17       | 0        | 11       | 86.60  | cps   |
| Dysprosium | 156-2 | 13       | 3        | 7        | 8        | 65.47  | cps   |
| Erbium     | 164-1 | 108      | 100      | 75       | 94       | 18.37  | cps   |
| Erbium     | 164-2 | 40       | 67       | 43       | 50       | 29.06  | cps   |
| Gadolinium | 160-1 | 133      | 83       | 108      | 108      | 23.08  | cps   |
| Gadolinium | 160-2 | 287      | 247      | 230      | 254      | 11.44  | cps   |
| Holmium    | 165-1 | 20535860 | 20407784 | 20362342 | 20435329 | 0.44   | cps   |
| Holmium    | 165-2 | 10912700 | 10759432 | 10772308 | 10814813 | 0.79   | cps   |
| Indium     | 115-1 | 16410856 | 16298748 | 16116222 | 16275275 | 0.91   | cps   |
| Indium     | 115-2 | 3136707  | 3116002  | 3125799  | 3126169  | 0.33   | cps   |
| Iron       | 56-2  | 165488   | 162736   | 162702   | 163642   | 0.98   | cps   |
| Iron       | 57-2  | 4329     | 4062     | 3812     | 4067     | 6.35   | cps   |
| Lead       | 206-1 | 8659     | 8664     | 9087     | 8803     | 2.79   | cps   |
| Lead       | 207-1 | 7858     | 8125     | 8375     | 8119     | 3.18   | cps   |
| Lead       | 208-1 | 35814    | 36248    | 36665    | 36243    | 1.17   | cps   |
| Lithium    | 6-1   | 6820459  | 6862693  | 6840699  | 6841284  | 0.31   | cps   |
| Magnesium  | 24-2  | 156196   | 158110   | 158193   | 157500   | 0.72   | cps   |
| Manganese  | 55-2  | 2344     | 2300     | 2437     | 2360     | 2.96   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:27:01 | DataFile Name :   | 019LLIC.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 24138    | 23979    | 23829    | 23982    | 0.64   | cps   |
| Molybdenum | 95-1  | 27903    | 28379    | 27953    | 28079    | 0.93   | cps   |
| Molybdenum | 96-1  | 32329    | 31243    | 31051    | 31541    | 2.18   | cps   |
| Molybdenum | 97-1  | 17887    | 17678    | 18137    | 17901    | 1.28   | cps   |
| Molybdenum | 98-1  | 46167    | 45381    | 44972    | 45507    | 1.33   | cps   |
| Neodymium  | 150-1 | 7        | 7        | 0        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 0        | 3        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 1750     | 1737     | 1727     | 1738     | 0.67   | cps   |
| Phosphorus | 31-2  | 142      | 158      | 200      | 167      | 18.03  | cps   |
| Potassium  | 39-2  | 154421   | 154091   | 151542   | 153351   | 1.03   | cps   |
| Rhodium    | 103-1 | 15380289 | 15426114 | 15316016 | 15374140 | 0.36   | cps   |
| Rhodium    | 103-2 | 7397377  | 7342790  | 7383528  | 7374565  | 0.38   | cps   |
| Scandium   | 45-1  | 11997592 | 11963044 | 11973958 | 11978198 | 0.15   | cps   |
| Scandium   | 45-2  | 518188   | 514973   | 519844   | 517668   | 0.48   | cps   |
| Selenium   | 77-2  | 60       | 23       | 30       | 38       | 51.71  | cps   |
| Selenium   | 78-2  | 276      | 231      | 269      | 259      | 9.20   | cps   |
| Selenium   | 82-1  | 1047     | 1138     | 1244     | 1143     | 8.63   | cps   |
| Silicon    | 28-1  | 405134   | 406321   | 404113   | 405189   | 0.27   | cps   |
| Silver     | 109-1 | 13957    | 13615    | 14233    | 13935    | 2.22   | cps   |
| Silver     | 107-1 | 14959    | 14258    | 14825    | 14680    | 2.53   | cps   |
| Sodium     | 23-2  | 318476   | 315147   | 322650   | 318758   | 1.18   | cps   |
| Strontium  | 86-1  | 4167     | 4618     | 4359     | 4381     | 5.16   | cps   |
| Strontium  | 88-1  | 33674    | 33398    | 34459    | 33844    | 1.63   | cps   |
| Sulfur     | 34-1  | 269078   | 267060   | 267551   | 267896   | 0.39   | cps   |
| Terbium    | 159-1 | 21339426 | 21344802 | 21204131 | 21296120 | 0.37   | cps   |
| Terbium    | 159-2 | 10800061 | 10773623 | 10728966 | 10767550 | 0.33   | cps   |
| Thallium   | 203-1 | 10838    | 10638    | 10338    | 10605    | 2.37   | cps   |
| Thallium   | 205-1 | 25191    | 25308    | 25233    | 25244    | 0.23   | cps   |
| Thorium    | 232-1 | 37192    | 35861    | 36964    | 36672    | 1.94   | cps   |
| Tin        | 118-1 | 48117    | 48267    | 47673    | 48019    | 0.64   | cps   |
| Titanium   | 47-1  | 9170     | 8745     | 9120     | 9011     | 2.58   | cps   |
| Uranium    | 238-1 | 34154    | 34764    | 34104    | 34341    | 1.07   | cps   |
| Vanadium   | 51-2  | 15161    | 15155    | 15158    | 15158    | 0.02   | cps   |
| Yttrium    | 89-1  | 17694808 | 17735613 | 17693920 | 17708114 | 0.13   | cps   |
| Yttrium    | 89-2  | 2522865  | 2474346  | 2521162  | 2506124  | 1.10   | cps   |
| Zinc       | 66-2  | 2497     | 2470     | 2494     | 2487     | 0.58   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:27:01 | DataFile Name :   | 019LLIC.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zirconium | 90-1 | 21901 | 21317 | 20766 | 21328   | 2.66   | cps   |
| Zirconium | 91-1 | 4176  | 5076  | 4718  | 4656    | 9.73   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:37:58 | DataFile Name :   | 020CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 133      | 100      | 192      | 142      | 32.75  | cps   |
| Antimony   | 121-1 | 83       | 117      | 92       | 97       | 17.84  | cps   |
| Arsenic    | 75-2  | 4        | 4        | 0        | 2        | 86.60  | cps   |
| Barium     | 135-1 | 17       | 25       | 0        | 14       | 91.65  | cps   |
| Barium     | 137-1 | 50       | 58       | 58       | 56       | 8.67   | cps   |
| Beryllium  | 9-1   | 83       | 56       | 111      | 83       | 33.33  | cps   |
| Bismuth    | 209-1 | 12627125 | 12773919 | 12813834 | 12738293 | 0.77   | cps   |
| Bismuth    | 209-2 | 7517689  | 7441988  | 7464229  | 7474636  | 0.52   | cps   |
| Boron      | 10-1  | 1759     | 1934     | 1817     | 1836     | 4.85   | cps   |
| Boron      | 11-1  | 8219     | 7927     | 8161     | 8102     | 1.91   | cps   |
| Cadmium    | 111-1 | 990      | 1057     | 982      | 1010     | 4.06   | cps   |
| Cadmium    | 106-1 | 4984     | 5376     | 4984     | 5115     | 4.42   | cps   |
| Cadmium    | 108-1 | 17       | 25       | 21       | 21       | 19.99  | cps   |
| Calcium    | 43-1  | 358      | 275      | 233      | 289      | 22.03  | cps   |
| Calcium    | 44-1  | 10964    | 10746    | 11205    | 10972    | 2.09   | cps   |
| Chromium   | 52-2  | 707      | 610      | 687      | 668      | 7.64   | cps   |
| Cobalt     | 59-2  | 67       | 63       | 93       | 74       | 22.09  | cps   |
| Copper     | 63-2  | 1640     | 1597     | 1580     | 1606     | 1.93   | cps   |
| Dysprosium | 156-1 | 8        | 8        | 8        | 8        | 0.00   | cps   |
| Dysprosium | 156-2 | 7        | 3        | 10       | 7        | 50.03  | cps   |
| Erbium     | 164-1 | 33       | 33       | 25       | 31       | 15.74  | cps   |
| Erbium     | 164-2 | 40       | 33       | 10       | 28       | 56.71  | cps   |
| Gadolinium | 160-1 | 58       | 108      | 75       | 81       | 31.60  | cps   |
| Gadolinium | 160-2 | 340      | 247      | 267      | 284      | 17.28  | cps   |
| Holmium    | 165-1 | 20033272 | 20310471 | 20230925 | 20191556 | 0.71   | cps   |
| Holmium    | 165-2 | 10514274 | 10537389 | 10519261 | 10523641 | 0.12   | cps   |
| Indium     | 115-1 | 15884205 | 16055194 | 16041237 | 15993545 | 0.59   | cps   |
| Indium     | 115-2 | 3057215  | 3037885  | 3033686  | 3042928  | 0.41   | cps   |
| Iron       | 56-2  | 4790     | 4523     | 4745     | 4686     | 3.05   | cps   |
| Iron       | 57-2  | 161      | 206      | 178      | 181      | 12.37  | cps   |
| Lead       | 206-1 | 372      | 378      | 372      | 374      | 0.86   | cps   |
| Lead       | 207-1 | 317      | 417      | 267      | 333      | 22.91  | cps   |
| Lead       | 208-1 | 1517     | 1628     | 1517     | 1554     | 4.13   | cps   |
| Lithium    | 6-1   | 6742456  | 6795279  | 6807112  | 6781616  | 0.51   | cps   |
| Magnesium  | 24-2  | 183      | 183      | 258      | 208      | 20.79  | cps   |
| Manganese  | 55-2  | 50       | 50       | 60       | 53       | 10.83  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:37:58 | DataFile Name :   | 020CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 442      | 458      | 417      | 439      | 4.78   | cps   |
| Molybdenum | 95-1  | 142      | 100      | 67       | 103      | 36.56  | cps   |
| Molybdenum | 96-1  | 192      | 292      | 133      | 206      | 38.95  | cps   |
| Molybdenum | 97-1  | 117      | 33       | 42       | 64       | 71.84  | cps   |
| Molybdenum | 98-1  | 175      | 175      | 92       | 147      | 32.68  | cps   |
| Neodymium  | 150-1 | 7        | 13       | 0        | 7        | 99.98  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 77       | 53       | 50       | 60       | 24.22  | cps   |
| Phosphorus | 31-2  | 133      | 142      | 183      | 153      | 17.53  | cps   |
| Potassium  | 39-2  | 14958    | 15776    | 15784    | 15506    | 3.06   | cps   |
| Rhodium    | 103-1 | 15114739 | 15318280 | 15251071 | 15228030 | 0.68   | cps   |
| Rhodium    | 103-2 | 7212153  | 7143524  | 7177723  | 7177800  | 0.48   | cps   |
| Scandium   | 45-1  | 11689690 | 11779000 | 11833834 | 11767508 | 0.62   | cps   |
| Scandium   | 45-2  | 506308   | 502421   | 506060   | 504929   | 0.43   | cps   |
| Selenium   | 77-2  | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 35       | 43       | 46       | 41       | 13.68  | cps   |
| Selenium   | 82-1  | 38       | -90      | 95       | 14       | 653.16 | cps   |
| Silicon    | 28-1  | 271946   | 268991   | 271090   | 270676   | 0.56   | cps   |
| Silver     | 109-1 | 100      | 92       | 142      | 111      | 24.11  | cps   |
| Silver     | 107-1 | 158      | 217      | 133      | 169      | 25.24  | cps   |
| Sodium     | 23-2  | 13156    | 12606    | 12998    | 12920    | 2.19   | cps   |
| Strontium  | 86-1  | 542      | 642      | 617      | 600      | 8.67   | cps   |
| Strontium  | 88-1  | 700      | 717      | 808      | 742      | 7.86   | cps   |
| Sulfur     | 34-1  | 275292   | 278531   | 273769   | 275864   | 0.88   | cps   |
| Terbium    | 159-1 | 20850846 | 21026852 | 21044387 | 20974028 | 0.51   | cps   |
| Terbium    | 159-2 | 10548137 | 10458077 | 10441792 | 10482668 | 0.55   | cps   |
| Thallium   | 203-1 | 175      | 183      | 192      | 183      | 4.55   | cps   |
| Thallium   | 205-1 | 417      | 433      | 408      | 419      | 3.03   | cps   |
| Thorium    | 232-1 | 239      | 383      | 367      | 330      | 23.97  | cps   |
| Tin        | 118-1 | 2809     | 2934     | 2809     | 2850     | 2.53   | cps   |
| Titanium   | 47-1  | 67       | 75       | 117      | 86       | 31.11  | cps   |
| Uranium    | 238-1 | 17       | 17       | 33       | 22       | 43.28  | cps   |
| Vanadium   | 51-2  | 17       | 3        | 3        | 8        | 99.04  | cps   |
| Yttrium    | 89-1  | 17232330 | 17521368 | 17371966 | 17375222 | 0.83   | cps   |
| Yttrium    | 89-2  | 2438159  | 2381216  | 2425179  | 2414851  | 1.24   | cps   |
| Zinc       | 66-2  | 710      | 757      | 827      | 764      | 7.68   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:37:58 | DataFile Name :   | 020CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1408 | 1433 | 1483 | 1442    | 2.65   | cps   |
| Zirconium | 91-1 | 325  | 308  | 325  | 319     | 3.01   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:41:32 | DataFile Name :   | 021LCS6.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1126951  | 1128298  | 1125945  | 1127064  | 0.10   | cps   |
| Antimony   | 121-1 | 4750945  | 4766049  | 4759628  | 4758874  | 0.16   | cps   |
| Arsenic    | 75-2  | 162337   | 162434   | 163863   | 162878   | 0.52   | cps   |
| Barium     | 135-1 | 6209476  | 6243601  | 6122684  | 6191920  | 1.01   | cps   |
| Barium     | 137-1 | 10791646 | 10812482 | 10770306 | 10791478 | 0.20   | cps   |
| Beryllium  | 9-1   | 1550128  | 1534915  | 1535308  | 1540117  | 0.56   | cps   |
| Bismuth    | 209-1 | 12461258 | 12319980 | 12015485 | 12265574 | 1.86   | cps   |
| Bismuth    | 209-2 | 6749414  | 6835363  | 6796806  | 6793861  | 0.63   | cps   |
| Boron      | 10-1  | 220007   | 223505   | 231605   | 225039   | 2.64   | cps   |
| Boron      | 11-1  | 1008072  | 1012352  | 1043395  | 1021273  | 1.89   | cps   |
| Cadmium    | 111-1 | 1183848  | 1197186  | 1191770  | 1190935  | 0.56   | cps   |
| Cadmium    | 106-1 | 143039   | 142527   | 143226   | 142931   | 0.25   | cps   |
| Cadmium    | 108-1 | 95326    | 94831    | 97213    | 95790    | 1.31   | cps   |
| Calcium    | 43-1  | 1744300  | 1724133  | 1730013  | 1732815  | 0.60   | cps   |
| Calcium    | 44-1  | 28067613 | 27790010 | 27606214 | 27821279 | 0.83   | cps   |
| Chromium   | 52-2  | 1592067  | 1599511  | 1598810  | 1596796  | 0.26   | cps   |
| Cobalt     | 59-2  | 2508624  | 2486722  | 2503230  | 2499525  | 0.46   | cps   |
| Copper     | 63-2  | 3406614  | 3403433  | 3397261  | 3402436  | 0.14   | cps   |
| Dysprosium | 156-1 | 100      | 58       | 50       | 69       | 38.57  | cps   |
| Dysprosium | 156-2 | 93       | 93       | 93       | 93       | 0.00   | cps   |
| Erbium     | 164-1 | 83       | 75       | 58       | 72       | 17.62  | cps   |
| Erbium     | 164-2 | 30       | 30       | 33       | 31       | 6.18   | cps   |
| Gadolinium | 160-1 | 133      | 150      | 150      | 144      | 6.66   | cps   |
| Gadolinium | 160-2 | 257      | 227      | 223      | 236      | 7.79   | cps   |
| Holmium    | 165-1 | 20225007 | 19995207 | 19425233 | 19881816 | 2.07   | cps   |
| Holmium    | 165-2 | 9935927  | 9977827  | 9970762  | 9961505  | 0.23   | cps   |
| Indium     | 115-1 | 15128935 | 14808817 | 14442425 | 14793392 | 2.32   | cps   |
| Indium     | 115-2 | 2650265  | 2661705  | 2678166  | 2663379  | 0.53   | cps   |
| Iron       | 56-2  | 67873340 | 67495207 | 67342771 | 67570439 | 0.40   | cps   |
| Iron       | 57-2  | 1620891  | 1630918  | 1636157  | 1629322  | 0.48   | cps   |
| Lead       | 206-1 | 4023468  | 4056063  | 4094806  | 4058113  | 0.88   | cps   |
| Lead       | 207-1 | 3680039  | 3697956  | 3762720  | 3713572  | 1.17   | cps   |
| Lead       | 208-1 | 16450760 | 16569502 | 16771764 | 16597342 | 0.98   | cps   |
| Lithium    | 6-1   | 6575402  | 6477491  | 6314336  | 6455743  | 2.04   | cps   |
| Magnesium  | 24-2  | 13673649 | 13570525 | 13506859 | 13583678 | 0.62   | cps   |
| Manganese  | 55-2  | 1878988  | 1874275  | 1881316  | 1878193  | 0.19   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:41:32 | DataFile Name :   | 021LCS6.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 10533236 | 10484360 | 10501098 | 10506231 | 0.24   | cps   |
| Molybdenum | 95-1  | 12778519 | 12720955 | 12801389 | 12766955 | 0.32   | cps   |
| Molybdenum | 96-1  | 14130781 | 14036182 | 14092604 | 14086522 | 0.34   | cps   |
| Molybdenum | 97-1  | 8063829  | 8068650  | 8034967  | 8055815  | 0.23   | cps   |
| Molybdenum | 98-1  | 20442156 | 20349905 | 20337616 | 20376559 | 0.28   | cps   |
| Neodymium  | 150-1 | 380      | 460      | 293      | 378      | 22.07  | cps   |
| Neodymium  | 150-2 | 27       | 27       | 27       | 27       | 0.00   | cps   |
| Nickel     | 60-2  | 641524   | 646199   | 651292   | 646338   | 0.76   | cps   |
| Phosphorus | 31-2  | 62649    | 61754    | 62716    | 62373    | 0.86   | cps   |
| Potassium  | 39-2  | 5931382  | 5914111  | 5896417  | 5913970  | 0.30   | cps   |
| Rhodium    | 103-1 | 13816326 | 13498683 | 13086884 | 13467298 | 2.72   | cps   |
| Rhodium    | 103-2 | 6163306  | 6191826  | 6223336  | 6192822  | 0.48   | cps   |
| Scandium   | 45-1  | 10993321 | 10799048 | 10524198 | 10772189 | 2.19   | cps   |
| Scandium   | 45-2  | 439931   | 444835   | 442178   | 442315   | 0.55   | cps   |
| Selenium   | 77-2  | 4434     | 4444     | 4517     | 4465     | 1.02   | cps   |
| Selenium   | 78-2  | 14506    | 14847    | 14865    | 14739    | 1.37   | cps   |
| Selenium   | 82-1  | 97198    | 97195    | 98816    | 97737    | 0.96   | cps   |
| Silicon    | 28-1  | 4665926  | 4655603  | 4695947  | 4672492  | 0.45   | cps   |
| Silver     | 109-1 | 6294994  | 6248823  | 6237530  | 6260449  | 0.49   | cps   |
| Silver     | 107-1 | 6501988  | 6465516  | 6520134  | 6495880  | 0.43   | cps   |
| Sodium     | 23-2  | 26183361 | 26129233 | 25935116 | 26082570 | 0.50   | cps   |
| Strontium  | 86-1  | 1639350  | 1633969  | 1656371  | 1643230  | 0.71   | cps   |
| Strontium  | 88-1  | 14593979 | 14433370 | 14460441 | 14495930 | 0.59   | cps   |
| Sulfur     | 34-1  | 857537   | 839557   | 836980   | 844691   | 1.33   | cps   |
| Terbium    | 159-1 | 21016515 | 20727176 | 20259028 | 20667573 | 1.85   | cps   |
| Terbium    | 159-2 | 9894455  | 9893797  | 9813994  | 9867415  | 0.47   | cps   |
| Thallium   | 203-1 | 5132419  | 5102559  | 5102170  | 5112383  | 0.34   | cps   |
| Thallium   | 205-1 | 11923839 | 11918895 | 12014529 | 11952421 | 0.45   | cps   |
| Thorium    | 232-1 | 17786544 | 17881853 | 18018653 | 17895684 | 0.65   | cps   |
| Tin        | 118-1 | 4222287  | 4201955  | 4229600  | 4217947  | 0.34   | cps   |
| Titanium   | 47-1  | 3996759  | 3947606  | 3945473  | 3963279  | 0.73   | cps   |
| Uranium    | 238-1 | 17104593 | 17148955 | 17407697 | 17220415 | 0.95   | cps   |
| Vanadium   | 51-2  | 1299152  | 1303484  | 1298383  | 1300340  | 0.21   | cps   |
| Yttrium    | 89-1  | 16460351 | 16194179 | 15794153 | 16149561 | 2.08   | cps   |
| Yttrium    | 89-2  | 2167425  | 2202878  | 2216562  | 2195622  | 1.16   | cps   |
| Zinc       | 66-2  | 501911   | 500755   | 504338   | 502334   | 0.36   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | PB112930BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB112930BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:41:32 | DataFile Name :   | 021LCS6.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 8905415 | 8880717 | 8888749 | 8891627 | 0.14   | cps   |
| Zirconium | 91-1 | 1903338 | 1919366 | 1935361 | 1919355 | 0.83   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:45:08 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 608      | 600      | 650      | 619      | 4.32   | cps   |
| Antimony   | 121-1 | 30809    | 30801    | 29958    | 30523    | 1.60   | cps   |
| Arsenic    | 75-2  | 770      | 806      | 806      | 794      | 2.56   | cps   |
| Barium     | 135-1 | 113914   | 115965   | 117553   | 115810   | 1.58   | cps   |
| Barium     | 137-1 | 199176   | 203815   | 201924   | 201638   | 1.16   | cps   |
| Beryllium  | 9-1   | 250      | 172      | 139      | 187      | 30.49  | cps   |
| Bismuth    | 209-1 | 11999540 | 12074147 | 12175258 | 12082982 | 0.73   | cps   |
| Bismuth    | 209-2 | 6723709  | 6744668  | 6730199  | 6732859  | 0.16   | cps   |
| Boron      | 10-1  | 52082    | 51179    | 51070    | 51444    | 1.08   | cps   |
| Boron      | 11-1  | 244169   | 242740   | 243973   | 243627   | 0.32   | cps   |
| Cadmium    | 111-1 | 1055     | 1121     | 1142     | 1106     | 4.13   | cps   |
| Cadmium    | 106-1 | 4051     | 4334     | 4459     | 4281     | 4.89   | cps   |
| Cadmium    | 108-1 | 29       | 46       | 46       | 40       | 23.88  | cps   |
| Calcium    | 43-1  | 2235470  | 2232917  | 2241802  | 2236730  | 0.20   | cps   |
| Calcium    | 44-1  | 36182304 | 36137601 | 35772545 | 36030816 | 0.62   | cps   |
| Chromium   | 52-2  | 3300     | 3410     | 3144     | 3285     | 4.08   | cps   |
| Cobalt     | 59-2  | 1627     | 1607     | 1523     | 1586     | 3.46   | cps   |
| Copper     | 63-2  | 14894    | 15108    | 15068    | 15023    | 0.76   | cps   |
| Dysprosium | 156-1 | 275      | 267      | 283      | 275      | 3.03   | cps   |
| Dysprosium | 156-2 | 170      | 170      | 153      | 164      | 5.85   | cps   |
| Erbium     | 164-1 | 133      | 125      | 217      | 158      | 32.01  | cps   |
| Erbium     | 164-2 | 60       | 60       | 67       | 62       | 6.19   | cps   |
| Gadolinium | 160-1 | 375      | 383      | 450      | 403      | 10.21  | cps   |
| Gadolinium | 160-2 | 357      | 410      | 420      | 396      | 8.61   | cps   |
| Holmium    | 165-1 | 18013594 | 18110974 | 18375427 | 18166665 | 1.03   | cps   |
| Holmium    | 165-2 | 9374144  | 9346947  | 9338375  | 9353156  | 0.20   | cps   |
| Indium     | 115-1 | 14546801 | 14896407 | 15012595 | 14818601 | 1.64   | cps   |
| Indium     | 115-2 | 2683654  | 2671715  | 2673754  | 2676374  | 0.24   | cps   |
| Iron       | 56-2  | 106864   | 109349   | 106819   | 107677   | 1.34   | cps   |
| Iron       | 57-2  | 11177    | 10626    | 11049    | 10951    | 2.63   | cps   |
| Lead       | 206-1 | 3634     | 3328     | 3317     | 3426     | 5.25   | cps   |
| Lead       | 207-1 | 3262     | 2917     | 2812     | 2997     | 7.85   | cps   |
| Lead       | 208-1 | 14676    | 13831    | 12903    | 13803    | 6.42   | cps   |
| Lithium    | 6-1   | 6401259  | 6470784  | 6440181  | 6437408  | 0.54   | cps   |
| Magnesium  | 24-2  | 1298835  | 1297296  | 1297301  | 1297811  | 0.07   | cps   |
| Manganese  | 55-2  | 40021    | 39884    | 40556    | 40154    | 0.88   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:45:08 | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 5485     | 5401     | 5101     | 5329     | 3.79   | cps   |
| Molybdenum | 95-1  | 7177     | 6877     | 6894     | 6983     | 2.42   | cps   |
| Molybdenum | 96-1  | 7594     | 7444     | 7402     | 7480     | 1.35   | cps   |
| Molybdenum | 97-1  | 4468     | 4484     | 4276     | 4409     | 2.63   | cps   |
| Molybdenum | 98-1  | 11205    | 10671    | 11472    | 11116    | 3.67   | cps   |
| Neodymium  | 150-1 | 73       | 113      | 87       | 91       | 22.35  | cps   |
| Neodymium  | 150-2 | 40       | 23       | 23       | 29       | 33.32  | cps   |
| Nickel     | 60-2  | 1927     | 1757     | 1890     | 1858     | 4.82   | cps   |
| Phosphorus | 31-2  | 1058     | 1100     | 1183     | 1114     | 5.71   | cps   |
| Potassium  | 39-2  | 896921   | 898754   | 900397   | 898691   | 0.19   | cps   |
| Rhodium    | 103-1 | 12276160 | 12412677 | 12584515 | 12424451 | 1.24   | cps   |
| Rhodium    | 103-2 | 5885081  | 5884030  | 5877309  | 5882140  | 0.07   | cps   |
| Scandium   | 45-1  | 9484191  | 9509252  | 9520260  | 9504568  | 0.19   | cps   |
| Scandium   | 45-2  | 386677   | 390356   | 388582   | 388538   | 0.47   | cps   |
| Selenium   | 77-2  | 17       | 7        | 17       | 13       | 43.29  | cps   |
| Selenium   | 78-2  | 52       | 63       | 59       | 58       | 9.75   | cps   |
| Selenium   | 82-1  | 64       | 104      | 66       | 78       | 29.60  | cps   |
| Silicon    | 28-1  | 45513415 | 45329534 | 45037323 | 45293424 | 0.53   | cps   |
| Silver     | 109-1 | 6060     | 5826     | 5501     | 5796     | 4.84   | cps   |
| Silver     | 107-1 | 5851     | 6135     | 5610     | 5865     | 4.48   | cps   |
| Sodium     | 23-2  | 7093667  | 7052786  | 7054923  | 7067125  | 0.33   | cps   |
| Strontium  | 86-1  | 627326   | 632094   | 635819   | 631746   | 0.67   | cps   |
| Strontium  | 88-1  | 5423793  | 5470925  | 5493865  | 5462861  | 0.65   | cps   |
| Sulfur     | 34-1  | 601037   | 595846   | 593828   | 596904   | 0.62   | cps   |
| Terbium    | 159-1 | 18472483 | 18833671 | 18847577 | 18717910 | 1.14   | cps   |
| Terbium    | 159-2 | 9254729  | 9306871  | 9246544  | 9269381  | 0.35   | cps   |
| Thallium   | 203-1 | 5176     | 2959     | 2117     | 3417     | 46.25  | cps   |
| Thallium   | 205-1 | 12807    | 7769     | 4876     | 8484     | 47.30  | cps   |
| Thorium    | 232-1 | 14853    | 13374    | 11049    | 13092    | 14.65  | cps   |
| Tin        | 118-1 | 34902    | 34928    | 33908    | 34579    | 1.68   | cps   |
| Titanium   | 47-1  | 1217     | 1175     | 1208     | 1200     | 1.84   | cps   |
| Uranium    | 238-1 | 14634    | 15343    | 15802    | 15260    | 3.86   | cps   |
| Vanadium   | 51-2  | 5598     | 5598     | 5438     | 5544     | 1.67   | cps   |
| Yttrium    | 89-1  | 14417021 | 14586342 | 14699519 | 14567627 | 0.98   | cps   |
| Yttrium    | 89-2  | 1988710  | 2000237  | 1986689  | 1991879  | 0.37   | cps   |
| Zinc       | 66-2  | 3751     | 3611     | 3527     | 3629     | 3.11   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:45:08 | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 4284 | 4084 | 3976 | 4115    | 3.80   | cps   |
| Zirconium | 91-1 | 917  | 1083 | 833  | 945     | 13.48  | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:48:43  | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 483      | 542      | 550      | 525      | 6.92   | cps   |
| Antimony   | 121-1 | 21142    | 21876    | 22485    | 21834    | 3.08   | cps   |
| Arsenic    | 75-2  | 728      | 776      | 735      | 746      | 3.47   | cps   |
| Barium     | 135-1 | 110562   | 113983   | 114114   | 112886   | 1.78   | cps   |
| Barium     | 137-1 | 193850   | 198448   | 199444   | 197247   | 1.51   | cps   |
| Beryllium  | 9-1   | 117      | 150      | 133      | 133      | 12.50  | cps   |
| Bismuth    | 209-1 | 11453596 | 11479752 | 11477676 | 11470341 | 0.13   | cps   |
| Bismuth    | 209-2 | 6428770  | 6339135  | 6407363  | 6391756  | 0.73   | cps   |
| Boron      | 10-1  | 40179    | 40397    | 40681    | 40419    | 0.62   | cps   |
| Boron      | 11-1  | 189785   | 189222   | 192860   | 190622   | 1.03   | cps   |
| Cadmium    | 111-1 | 822      | 881      | 802      | 835      | 4.93   | cps   |
| Cadmium    | 106-1 | 3892     | 4184     | 3751     | 3942     | 5.61   | cps   |
| Cadmium    | 108-1 | 21       | 29       | 21       | 24       | 20.39  | cps   |
| Calcium    | 43-1  | 2092874  | 2099522  | 2110675  | 2101024  | 0.43   | cps   |
| Calcium    | 44-1  | 33863807 | 33927466 | 34071031 | 33954101 | 0.31   | cps   |
| Chromium   | 52-2  | 2720     | 2794     | 2824     | 2779     | 1.91   | cps   |
| Cobalt     | 59-2  | 1417     | 1403     | 1427     | 1416     | 0.83   | cps   |
| Copper     | 63-2  | 13967    | 14474    | 14554    | 14332    | 2.22   | cps   |
| Dysprosium | 156-1 | 258      | 392      | 375      | 342      | 21.26  | cps   |
| Dysprosium | 156-2 | 130      | 150      | 133      | 138      | 7.78   | cps   |
| Erbium     | 164-1 | 150      | 108      | 125      | 128      | 16.41  | cps   |
| Erbium     | 164-2 | 27       | 53       | 67       | 49       | 41.66  | cps   |
| Gadolinium | 160-1 | 392      | 325      | 492      | 403      | 20.83  | cps   |
| Gadolinium | 160-2 | 367      | 367      | 343      | 359      | 3.75   | cps   |
| Holmium    | 165-1 | 17426883 | 17861542 | 17678455 | 17655626 | 1.24   | cps   |
| Holmium    | 165-2 | 9018110  | 8963277  | 9016151  | 8999179  | 0.35   | cps   |
| Indium     | 115-1 | 13705874 | 13835530 | 13851104 | 13797503 | 0.58   | cps   |
| Indium     | 115-2 | 2472405  | 2474913  | 2484088  | 2477135  | 0.25   | cps   |
| Iron       | 56-2  | 103098   | 104105   | 103412   | 103538   | 0.50   | cps   |
| Iron       | 57-2  | 10487    | 10232    | 10760    | 10493    | 2.52   | cps   |
| Lead       | 206-1 | 2256     | 2089     | 2161     | 2169     | 3.85   | cps   |
| Lead       | 207-1 | 2000     | 2017     | 1995     | 2004     | 0.58   | cps   |
| Lead       | 208-1 | 9035     | 8807     | 9035     | 8959     | 1.47   | cps   |
| Lithium    | 6-1   | 5687824  | 5695892  | 5726682  | 5703466  | 0.36   | cps   |
| Magnesium  | 24-2  | 1204078  | 1203278  | 1195989  | 1201115  | 0.37   | cps   |
| Manganese  | 55-2  | 38444    | 37642    | 37551    | 37879    | 1.30   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:48:43  | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 4051     | 3917     | 3967     | 3978     | 1.69   | cps   |
| Molybdenum | 95-1  | 4993     | 5034     | 4834     | 4954     | 2.13   | cps   |
| Molybdenum | 96-1  | 5518     | 5593     | 5476     | 5529     | 1.07   | cps   |
| Molybdenum | 97-1  | 3100     | 3000     | 3184     | 3095     | 2.97   | cps   |
| Molybdenum | 98-1  | 7744     | 8344     | 7953     | 8014     | 3.80   | cps   |
| Neodymium  | 150-1 | 113      | 100      | 80       | 98       | 17.16  | cps   |
| Neodymium  | 150-2 | 20       | 33       | 30       | 28       | 24.98  | cps   |
| Nickel     | 60-2  | 1767     | 1643     | 1600     | 1670     | 5.18   | cps   |
| Phosphorus | 31-2  | 1033     | 1283     | 1183     | 1167     | 10.79  | cps   |
| Potassium  | 39-2  | 826407   | 828162   | 835129   | 829899   | 0.56   | cps   |
| Rhodium    | 103-1 | 11824221 | 11938374 | 12013633 | 11925409 | 0.80   | cps   |
| Rhodium    | 103-2 | 5600048  | 5628554  | 5634000  | 5620867  | 0.32   | cps   |
| Scandium   | 45-1  | 8806112  | 8862790  | 8844281  | 8837728  | 0.33   | cps   |
| Scandium   | 45-2  | 360925   | 360250   | 360570   | 360582   | 0.09   | cps   |
| Selenium   | 77-2  | 13       | 20       | 13       | 16       | 24.76  | cps   |
| Selenium   | 78-2  | 43       | 59       | 65       | 56       | 20.82  | cps   |
| Selenium   | 82-1  | 72       | 68       | 24       | 55       | 48.59  | cps   |
| Silicon    | 28-1  | 41688368 | 41605552 | 41290170 | 41528030 | 0.51   | cps   |
| Silver     | 109-1 | 3025     | 3084     | 3284     | 3131     | 4.33   | cps   |
| Silver     | 107-1 | 3592     | 3209     | 3542     | 3448     | 6.05   | cps   |
| Sodium     | 23-2  | 6598936  | 6533877  | 6536200  | 6556338  | 0.56   | cps   |
| Strontium  | 86-1  | 609531   | 615507   | 615247   | 613428   | 0.55   | cps   |
| Strontium  | 88-1  | 5274630  | 5272469  | 5346543  | 5297881  | 0.80   | cps   |
| Sulfur     | 34-1  | 552519   | 550117   | 553248   | 551961   | 0.30   | cps   |
| Terbium    | 159-1 | 18113793 | 18399963 | 18394881 | 18302879 | 0.89   | cps   |
| Terbium    | 159-2 | 8891548  | 8916152  | 8901453  | 8903051  | 0.14   | cps   |
| Thallium   | 203-1 | 675      | 533      | 500      | 569      | 16.32  | cps   |
| Thallium   | 205-1 | 1617     | 1367     | 1117     | 1367     | 18.29  | cps   |
| Thorium    | 232-1 | 4579     | 4156     | 4384     | 4373     | 4.83   | cps   |
| Tin        | 118-1 | 27044    | 27519    | 29173    | 27912    | 4.00   | cps   |
| Titanium   | 47-1  | 1317     | 1309     | 958      | 1195     | 17.13  | cps   |
| Uranium    | 238-1 | 14559    | 14283    | 15201    | 14681    | 3.21   | cps   |
| Vanadium   | 51-2  | 5401     | 5488     | 5311     | 5400     | 1.64   | cps   |
| Yttrium    | 89-1  | 13880156 | 13970187 | 14089813 | 13980052 | 0.75   | cps   |
| Yttrium    | 89-2  | 1882262  | 1883957  | 1901152  | 1889124  | 0.55   | cps   |
| Zinc       | 66-2  | 2924     | 3014     | 2930     | 2956     | 1.70   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:48:43  | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 3242 | 3451 | 3000 | 3231    | 6.97   | cps   |
| Zirconium | 91-1 | 808  | 708  | 708  | 742     | 7.78   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-09-19 14:52:17  | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 200      | 167      | 192      | 186      | 9.32   | cps   |
| Antimony   | 121-1 | 5251     | 5710     | 5735     | 5565     | 4.89   | cps   |
| Arsenic    | 75-2  | 161      | 167      | 133      | 154      | 11.62  | cps   |
| Barium     | 135-1 | 23128    | 24556    | 23821    | 23835    | 3.00   | cps   |
| Barium     | 137-1 | 41480    | 41504    | 40426    | 41137    | 1.50   | cps   |
| Beryllium  | 9-1   | 50       | 122      | 67       | 80       | 47.49  | cps   |
| Bismuth    | 209-1 | 12216863 | 12052491 | 12159790 | 12143048 | 0.69   | cps   |
| Bismuth    | 209-2 | 6938878  | 6455774  | 6558607  | 6651086  | 3.83   | cps   |
| Boron      | 10-1  | 11396    | 12314    | 12231    | 11980    | 4.23   | cps   |
| Boron      | 11-1  | 57351    | 57084    | 58079    | 57505    | 0.90   | cps   |
| Cadmium    | 111-1 | 932      | 950      | 836      | 906      | 6.77   | cps   |
| Cadmium    | 106-1 | 4584     | 4418     | 4151     | 4384     | 4.99   | cps   |
| Cadmium    | 108-1 | 25       | 0        | 17       | 14       | 91.65  | cps   |
| Calcium    | 43-1  | 448204   | 451609   | 448469   | 449427   | 0.42   | cps   |
| Calcium    | 44-1  | 7176318  | 7097864  | 7077303  | 7117162  | 0.73   | cps   |
| Chromium   | 52-2  | 1147     | 1133     | 1087     | 1122     | 2.81   | cps   |
| Cobalt     | 59-2  | 370      | 367      | 337      | 358      | 5.13   | cps   |
| Copper     | 63-2  | 4968     | 4884     | 5314     | 5055     | 4.51   | cps   |
| Dysprosium | 156-1 | 67       | 67       | 75       | 69       | 6.93   | cps   |
| Dysprosium | 156-2 | 20       | 43       | 40       | 34       | 36.64  | cps   |
| Erbium     | 164-1 | 75       | 92       | 75       | 81       | 11.95  | cps   |
| Erbium     | 164-2 | 40       | 23       | 43       | 36       | 30.14  | cps   |
| Gadolinium | 160-1 | 183      | 192      | 100      | 158      | 32.01  | cps   |
| Gadolinium | 160-2 | 250      | 247      | 253      | 250      | 1.33   | cps   |
| Holmium    | 165-1 | 18816760 | 18681184 | 18729486 | 18742477 | 0.37   | cps   |
| Holmium    | 165-2 | 9718715  | 8973988  | 9267155  | 9319953  | 4.03   | cps   |
| Indium     | 115-1 | 14357768 | 14224892 | 14119168 | 14233943 | 0.84   | cps   |
| Indium     | 115-2 | 2607581  | 2423120  | 2484997  | 2505233  | 3.75   | cps   |
| Iron       | 56-2  | 23681    | 24109    | 24304    | 24031    | 1.33   | cps   |
| Iron       | 57-2  | 2345     | 2456     | 2184     | 2328     | 5.88   | cps   |
| Lead       | 206-1 | 639      | 661      | 706      | 669      | 5.08   | cps   |
| Lead       | 207-1 | 633      | 506      | 633      | 591      | 12.49  | cps   |
| Lead       | 208-1 | 2756     | 2706     | 2995     | 2819     | 5.48   | cps   |
| Lithium    | 6-1   | 5375164  | 5397202  | 5350738  | 5374368  | 0.43   | cps   |
| Magnesium  | 24-2  | 259654   | 259517   | 258474   | 259215   | 0.25   | cps   |
| Manganese  | 55-2  | 7959     | 8079     | 8192     | 8077     | 1.45   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01LX5 Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913I Dilution Factor : 5  
 Date & Time Acquired :: 2018-09-19 14:52:17 DataFile Name : 024SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 1150     | 1425     | 1175     | 1250     | 12.17  | cps   |
| Molybdenum | 95-1  | 1208     | 1242     | 933      | 1128     | 15.01  | cps   |
| Molybdenum | 96-1  | 1292     | 1333     | 1350     | 1325     | 2.27   | cps   |
| Molybdenum | 97-1  | 708      | 758      | 825      | 764      | 7.66   | cps   |
| Molybdenum | 98-1  | 1934     | 1867     | 2092     | 1964     | 5.88   | cps   |
| Neodymium  | 150-1 | 27       | 0        | 13       | 13       | 100.01 | cps   |
| Neodymium  | 150-2 | 3        | 3        | 3        | 3        | 0.00   | cps   |
| Nickel     | 60-2  | 393      | 373      | 397      | 388      | 3.25   | cps   |
| Phosphorus | 31-2  | 342      | 383      | 375      | 367      | 6.01   | cps   |
| Potassium  | 39-2  | 186584   | 187124   | 184904   | 186204   | 0.62   | cps   |
| Rhodium    | 103-1 | 13099982 | 12981948 | 12972396 | 13018108 | 0.55   | cps   |
| Rhodium    | 103-2 | 6195941  | 5744375  | 5839871  | 5926729  | 4.02   | cps   |
| Scandium   | 45-1  | 9344795  | 9328757  | 9272692  | 9315415  | 0.41   | cps   |
| Scandium   | 45-2  | 389351   | 362188   | 371884   | 374474   | 3.68   | cps   |
| Selenium   | 77-2  | 3        | 7        | 3        | 4        | 43.40  | cps   |
| Selenium   | 78-2  | 30       | 39       | 56       | 41       | 31.77  | cps   |
| Selenium   | 82-1  | -7       | -5       | 30       | 6        | 328.07 | cps   |
| Silicon    | 28-1  | 8913914  | 8820656  | 8828247  | 8854272  | 0.58   | cps   |
| Silver     | 109-1 | 1425     | 925      | 1308     | 1220     | 21.45  | cps   |
| Silver     | 107-1 | 1417     | 1392     | 1250     | 1353     | 6.64   | cps   |
| Sodium     | 23-2  | 1408105  | 1410533  | 1401425  | 1406688  | 0.34   | cps   |
| Strontium  | 86-1  | 129185   | 129849   | 128530   | 129188   | 0.51   | cps   |
| Strontium  | 88-1  | 1118232  | 1106001  | 1105919  | 1110051  | 0.64   | cps   |
| Sulfur     | 34-1  | 267256   | 264972   | 267467   | 266565   | 0.52   | cps   |
| Terbium    | 159-1 | 19421442 | 19350935 | 19331707 | 19368028 | 0.24   | cps   |
| Terbium    | 159-2 | 9581438  | 8903866  | 9136713  | 9207339  | 3.74   | cps   |
| Thallium   | 203-1 | 267      | 258      | 242      | 256      | 4.98   | cps   |
| Thallium   | 205-1 | 742      | 650      | 633      | 675      | 8.64   | cps   |
| Thorium    | 232-1 | 1628     | 1583     | 1689     | 1633     | 3.25   | cps   |
| Tin        | 118-1 | 4434     | 4076     | 4226     | 4245     | 4.24   | cps   |
| Titanium   | 47-1  | 292      | 400      | 317      | 336      | 16.88  | cps   |
| Uranium    | 238-1 | 3059     | 2859     | 3092     | 3003     | 4.20   | cps   |
| Vanadium   | 51-2  | 1260     | 1287     | 1343     | 1297     | 3.28   | cps   |
| Yttrium    | 89-1  | 14903994 | 14832392 | 14789589 | 14841991 | 0.39   | cps   |
| Yttrium    | 89-2  | 2021026  | 1891311  | 1952112  | 1954816  | 3.32   | cps   |
| Zinc       | 66-2  | 1217     | 1213     | 1170     | 1200     | 2.17   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913I | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-09-19 14:52:17  | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1959 | 1809 | 1592 | 1786    | 10.32  | cps   |
| Zirconium | 91-1 | 400  | 433  | 317  | 383     | 15.68  | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01MS Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913f Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 14:55:52 DataFile Name : 025SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 810731   | 813183   | 816672   | 813529   | 0.37   | cps   |
| Antimony   | 121-1 | 4131344  | 4142891  | 4194814  | 4156350  | 0.81   | cps   |
| Arsenic    | 75-2  | 129345   | 129102   | 131310   | 129919   | 0.93   | cps   |
| Barium     | 135-1 | 5585097  | 5616898  | 5682384  | 5628126  | 0.88   | cps   |
| Barium     | 137-1 | 9720260  | 9813957  | 9844772  | 9792996  | 0.66   | cps   |
| Beryllium  | 9-1   | 1119258  | 1125688  | 1127088  | 1124011  | 0.37   | cps   |
| Bismuth    | 209-1 | 11202428 | 11233142 | 11179995 | 11205188 | 0.24   | cps   |
| Bismuth    | 209-2 | 6154728  | 6121252  | 6181877  | 6152619  | 0.49   | cps   |
| Boron      | 10-1  | 198815   | 204576   | 209068   | 204153   | 2.52   | cps   |
| Boron      | 11-1  | 919306   | 944396   | 963009   | 942237   | 2.33   | cps   |
| Cadmium    | 111-1 | 1009121  | 1028423  | 1030142  | 1022562  | 1.14   | cps   |
| Cadmium    | 106-1 | 117626   | 119785   | 122326   | 119912   | 1.96   | cps   |
| Cadmium    | 108-1 | 81101    | 80934    | 82773    | 81603    | 1.25   | cps   |
| Calcium    | 43-1  | 3503028  | 3513305  | 3547892  | 3521408  | 0.67   | cps   |
| Calcium    | 44-1  | 56091999 | 56053016 | 56808628 | 56317881 | 0.76   | cps   |
| Chromium   | 52-2  | 1267764  | 1277783  | 1279239  | 1274929  | 0.49   | cps   |
| Cobalt     | 59-2  | 2004576  | 1999890  | 2006697  | 2003721  | 0.17   | cps   |
| Copper     | 63-2  | 2777989  | 2773107  | 2782805  | 2777967  | 0.17   | cps   |
| Dysprosium | 156-1 | 433      | 275      | 275      | 328      | 27.89  | cps   |
| Dysprosium | 156-2 | 200      | 247      | 243      | 230      | 11.32  | cps   |
| Erbium     | 164-1 | 158      | 142      | 200      | 167      | 18.03  | cps   |
| Erbium     | 164-2 | 60       | 57       | 60       | 59       | 3.26   | cps   |
| Gadolinium | 160-1 | 400      | 450      | 392      | 414      | 7.62   | cps   |
| Gadolinium | 160-2 | 387      | 330      | 383      | 367      | 8.67   | cps   |
| Holmium    | 165-1 | 17839983 | 17914784 | 18161072 | 17971946 | 0.93   | cps   |
| Holmium    | 165-2 | 9019094  | 9031021  | 9125449  | 9058521  | 0.64   | cps   |
| Indium     | 115-1 | 13103023 | 13138417 | 13216545 | 13152661 | 0.44   | cps   |
| Indium     | 115-2 | 2338277  | 2397930  | 2339852  | 2358686  | 1.44   | cps   |
| Iron       | 56-2  | 53784825 | 53660666 | 53748072 | 53731188 | 0.12   | cps   |
| Iron       | 57-2  | 1304265  | 1304962  | 1306434  | 1305220  | 0.08   | cps   |
| Lead       | 206-1 | 3736081  | 3792914  | 3781730  | 3770242  | 0.80   | cps   |
| Lead       | 207-1 | 3322462  | 3368936  | 3368050  | 3353149  | 0.79   | cps   |
| Lead       | 208-1 | 15127684 | 15314271 | 15313106 | 15251687 | 0.70   | cps   |
| Lithium    | 6-1   | 5206245  | 5218312  | 5227730  | 5217429  | 0.21   | cps   |
| Magnesium  | 24-2  | 11438469 | 11436925 | 11394131 | 11423175 | 0.22   | cps   |
| Manganese  | 55-2  | 1504054  | 1517477  | 1516499  | 1512677  | 0.49   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01MS Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-1809131 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 14:55:52 DataFile Name : 025SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 9151685  | 9202666  | 9254310  | 9202887  | 0.56   | cps   |
| Molybdenum | 95-1  | 11227231 | 11204411 | 11248258 | 11226633 | 0.20   | cps   |
| Molybdenum | 96-1  | 12335382 | 12368573 | 12438525 | 12380827 | 0.43   | cps   |
| Molybdenum | 97-1  | 7054902  | 7050081  | 7136166  | 7080383  | 0.68   | cps   |
| Molybdenum | 98-1  | 17785331 | 17816116 | 17963466 | 17854971 | 0.53   | cps   |
| Neodymium  | 150-1 | 313      | 393      | 407      | 371      | 13.60  | cps   |
| Neodymium  | 150-2 | 37       | 57       | 23       | 39       | 43.15  | cps   |
| Nickel     | 60-2  | 533896   | 535113   | 534253   | 534421   | 0.12   | cps   |
| Phosphorus | 31-2  | 1117     | 1133     | 1125     | 1125     | 0.74   | cps   |
| Potassium  | 39-2  | 5198227  | 5193826  | 5190363  | 5194139  | 0.08   | cps   |
| Rhodium    | 103-1 | 11433421 | 11430243 | 11568532 | 11477398 | 0.69   | cps   |
| Rhodium    | 103-2 | 5411818  | 5360228  | 5408885  | 5393644  | 0.54   | cps   |
| Scandium   | 45-1  | 8480713  | 8509085  | 8572611  | 8520803  | 0.55   | cps   |
| Scandium   | 45-2  | 346430   | 346406   | 350107   | 347648   | 0.61   | cps   |
| Selenium   | 77-2  | 3410     | 3397     | 3557     | 3455     | 2.57   | cps   |
| Selenium   | 78-2  | 11438    | 11171    | 11091    | 11233    | 1.62   | cps   |
| Selenium   | 82-1  | 79201    | 80198    | 80944    | 80114    | 1.09   | cps   |
| Silicon    | 28-1  | 42257920 | 42080961 | 42094911 | 42144597 | 0.23   | cps   |
| Silver     | 109-1 | 5131292  | 5210879  | 5249431  | 5197201  | 1.16   | cps   |
| Silver     | 107-1 | 5361248  | 5366222  | 5440664  | 5389378  | 0.83   | cps   |
| Sodium     | 23-2  | 25797887 | 25757587 | 25733385 | 25762953 | 0.13   | cps   |
| Strontium  | 86-1  | 2009374  | 2036902  | 2044821  | 2030366  | 0.92   | cps   |
| Strontium  | 88-1  | 17801182 | 17983972 | 18020142 | 17935098 | 0.65   | cps   |
| Sulfur     | 34-1  | 533423   | 536607   | 538372   | 536134   | 0.47   | cps   |
| Terbium    | 159-1 | 18314892 | 18464597 | 18599851 | 18459780 | 0.77   | cps   |
| Terbium    | 159-2 | 8886984  | 8852833  | 9018208  | 8919342  | 0.98   | cps   |
| Thallium   | 203-1 | 4696803  | 4755902  | 4778451  | 4743718  | 0.89   | cps   |
| Thallium   | 205-1 | 10930942 | 11065283 | 11044574 | 11013600 | 0.66   | cps   |
| Thorium    | 232-1 | 6913     | 6040     | 6168     | 6374     | 7.39   | cps   |
| Tin        | 118-1 | 3598211  | 3624140  | 3654837  | 3625729  | 0.78   | cps   |
| Titanium   | 47-1  | 3179623  | 3183240  | 3187829  | 3183564  | 0.13   | cps   |
| Uranium    | 238-1 | 16442730 | 16612789 | 16826378 | 16627299 | 1.16   | cps   |
| Vanadium   | 51-2  | 1037857  | 1032871  | 1046137  | 1038955  | 0.64   | cps   |
| Yttrium    | 89-1  | 13665700 | 13816786 | 13942831 | 13808439 | 1.00   | cps   |
| Yttrium    | 89-2  | 1865681  | 1852772  | 1879928  | 1866127  | 0.73   | cps   |
| Zinc       | 66-2  | 380108   | 383283   | 382196   | 381862   | 0.42   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:55:52 | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 7683218 | 7774215 | 7767529 | 7741654 | 0.66   | cps   |
| Zirconium | 91-1 | 1678001 | 1694434 | 1699380 | 1690605 | 0.66   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:59:29 | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 773985   | 778385   | 773331   | 775233   | 0.35   | cps   |
| Antimony   | 121-1 | 4041013  | 4075907  | 4081894  | 4066272  | 0.54   | cps   |
| Arsenic    | 75-2  | 125949   | 126426   | 126602   | 126326   | 0.27   | cps   |
| Barium     | 135-1 | 5443774  | 5489232  | 5516051  | 5483019  | 0.67   | cps   |
| Barium     | 137-1 | 9514057  | 9595422  | 9600000  | 9569826  | 0.51   | cps   |
| Beryllium  | 9-1   | 1048845  | 1057530  | 1053474  | 1053283  | 0.41   | cps   |
| Bismuth    | 209-1 | 11129741 | 11275241 | 11272929 | 11225970 | 0.74   | cps   |
| Bismuth    | 209-2 | 6151154  | 6140247  | 6101758  | 6131053  | 0.42   | cps   |
| Boron      | 10-1  | 192585   | 201331   | 199845   | 197921   | 2.36   | cps   |
| Boron      | 11-1  | 894155   | 935154   | 950105   | 926471   | 3.13   | cps   |
| Cadmium    | 111-1 | 991590   | 1006185  | 1015168  | 1004314  | 1.18   | cps   |
| Cadmium    | 106-1 | 116838   | 118542   | 120399   | 118593   | 1.50   | cps   |
| Cadmium    | 108-1 | 79404    | 80674    | 79639    | 79906    | 0.85   | cps   |
| Calcium    | 43-1  | 3360384  | 3411214  | 3405701  | 3392433  | 0.82   | cps   |
| Calcium    | 44-1  | 53745800 | 54313780 | 54193626 | 54084402 | 0.55   | cps   |
| Chromium   | 52-2  | 1223626  | 1231514  | 1229753  | 1228298  | 0.34   | cps   |
| Cobalt     | 59-2  | 1930374  | 1940222  | 1946223  | 1938940  | 0.41   | cps   |
| Copper     | 63-2  | 2689605  | 2690408  | 2685556  | 2688523  | 0.10   | cps   |
| Dysprosium | 156-1 | 392      | 267      | 383      | 347      | 20.13  | cps   |
| Dysprosium | 156-2 | 247      | 243      | 253      | 248      | 2.06   | cps   |
| Erbium     | 164-1 | 175      | 117      | 92       | 128      | 33.47  | cps   |
| Erbium     | 164-2 | 60       | 60       | 70       | 63       | 9.12   | cps   |
| Gadolinium | 160-1 | 242      | 467      | 375      | 361      | 31.33  | cps   |
| Gadolinium | 160-2 | 423      | 357      | 353      | 378      | 10.45  | cps   |
| Holmium    | 165-1 | 17914069 | 18388148 | 18243436 | 18181885 | 1.34   | cps   |
| Holmium    | 165-2 | 9071961  | 9055483  | 8998127  | 9041857  | 0.43   | cps   |
| Indium     | 115-1 | 12955445 | 13300030 | 13160360 | 13138612 | 1.32   | cps   |
| Indium     | 115-2 | 2378148  | 2399982  | 2284858  | 2354330  | 2.60   | cps   |
| Iron       | 56-2  | 51665651 | 51728365 | 51578318 | 51657445 | 0.15   | cps   |
| Iron       | 57-2  | 1253741  | 1250409  | 1258322  | 1254157  | 0.32   | cps   |
| Lead       | 206-1 | 3667814  | 3681664  | 3716419  | 3688632  | 0.68   | cps   |
| Lead       | 207-1 | 3277359  | 3298956  | 3303012  | 3293109  | 0.42   | cps   |
| Lead       | 208-1 | 14883794 | 14948294 | 14999753 | 14943947 | 0.39   | cps   |
| Lithium    | 6-1   | 4917248  | 5017403  | 4968883  | 4967845  | 1.01   | cps   |
| Magnesium  | 24-2  | 10948670 | 10937436 | 10862027 | 10916044 | 0.43   | cps   |
| Manganese  | 55-2  | 1451305  | 1459478  | 1461024  | 1457269  | 0.36   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01MSD Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-1809131 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 14:59:29 DataFile Name : 026SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 8875126  | 8897053  | 8961860  | 8911346  | 0.51   | cps   |
| Molybdenum | 95-1  | 10805462 | 10881620 | 10938906 | 10875329 | 0.62   | cps   |
| Molybdenum | 96-1  | 11927395 | 12061241 | 12126338 | 12038325 | 0.84   | cps   |
| Molybdenum | 97-1  | 6849881  | 6926220  | 6907214  | 6894439  | 0.58   | cps   |
| Molybdenum | 98-1  | 17384104 | 17528543 | 17564138 | 17492262 | 0.55   | cps   |
| Neodymium  | 150-1 | 360      | 393      | 393      | 382      | 5.04   | cps   |
| Neodymium  | 150-2 | 47       | 53       | 43       | 48       | 10.66  | cps   |
| Nickel     | 60-2  | 511297   | 518139   | 515411   | 514949   | 0.67   | cps   |
| Phosphorus | 31-2  | 1117     | 1033     | 967      | 1039     | 7.23   | cps   |
| Potassium  | 39-2  | 4998715  | 4981860  | 4952071  | 4977549  | 0.47   | cps   |
| Rhodium    | 103-1 | 11464382 | 11723740 | 11661867 | 11616663 | 1.17   | cps   |
| Rhodium    | 103-2 | 5404583  | 5360111  | 5352119  | 5372271  | 0.53   | cps   |
| Scandium   | 45-1  | 8326262  | 8539402  | 8463543  | 8443069  | 1.28   | cps   |
| Scandium   | 45-2  | 345352   | 343318   | 342665   | 343778   | 0.41   | cps   |
| Selenium   | 77-2  | 3157     | 3110     | 3377     | 3215     | 4.43   | cps   |
| Selenium   | 78-2  | 11069    | 10919    | 10821    | 10936    | 1.14   | cps   |
| Selenium   | 82-1  | 77907    | 77996    | 79043    | 78315    | 0.81   | cps   |
| Silicon    | 28-1  | 40057709 | 40150359 | 40083068 | 40097045 | 0.12   | cps   |
| Silver     | 109-1 | 5042543  | 5106884  | 5090329  | 5079919  | 0.66   | cps   |
| Silver     | 107-1 | 5209946  | 5283333  | 5278653  | 5257310  | 0.78   | cps   |
| Sodium     | 23-2  | 24741408 | 24784007 | 24566139 | 24697185 | 0.47   | cps   |
| Strontium  | 86-1  | 1981599  | 1997643  | 2017111  | 1998784  | 0.89   | cps   |
| Strontium  | 88-1  | 17433743 | 17545852 | 17644702 | 17541432 | 0.60   | cps   |
| Sulfur     | 34-1  | 506795   | 511689   | 511931   | 510138   | 0.57   | cps   |
| Terbium    | 159-1 | 18192725 | 18933691 | 18615619 | 18580678 | 2.00   | cps   |
| Terbium    | 159-2 | 8895039  | 8886597  | 8851995  | 8877877  | 0.26   | cps   |
| Thallium   | 203-1 | 4633459  | 4690356  | 4696385  | 4673400  | 0.74   | cps   |
| Thallium   | 205-1 | 10715231 | 10914297 | 10954221 | 10861250 | 1.18   | cps   |
| Thorium    | 232-1 | 3801     | 3690     | 3790     | 3760     | 1.63   | cps   |
| Tin        | 118-1 | 3551077  | 3568609  | 3549344  | 3556343  | 0.30   | cps   |
| Titanium   | 47-1  | 3045058  | 3078416  | 3083260  | 3068911  | 0.68   | cps   |
| Uranium    | 238-1 | 16321451 | 16487913 | 16405198 | 16404854 | 0.51   | cps   |
| Vanadium   | 51-2  | 997424   | 1006920  | 1003406  | 1002583  | 0.48   | cps   |
| Yttrium    | 89-1  | 13640771 | 13949174 | 13931448 | 13840464 | 1.25   | cps   |
| Yttrium    | 89-2  | 1853289  | 1861683  | 1867006  | 1860659  | 0.37   | cps   |
| Zinc       | 66-2  | 366547   | 370836   | 370633   | 369339   | 0.66   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 14:59:29 | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 7481598 | 7568062 | 7562188 | 7537283 | 0.64   | cps   |
| Zirconium | 91-1 | 1630470 | 1638127 | 1658858 | 1642485 | 0.89   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : J4924-01A Instrumnet Name : P7  
 Client Sample ID : KY030LC018-W-180913/ Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 15:03:05 DataFile Name : 027SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 768327   | 761431   | 777191   | 768983   | 1.03   | cps   |
| Antimony   | 121-1 | 4116744  | 4126988  | 4116073  | 4119935  | 0.15   | cps   |
| Arsenic    | 75-2  | 125114   | 125267   | 126505   | 125629   | 0.61   | cps   |
| Barium     | 135-1 | 5560301  | 5587511  | 5548384  | 5565399  | 0.36   | cps   |
| Barium     | 137-1 | 9626964  | 9708534  | 9703995  | 9679831  | 0.47   | cps   |
| Beryllium  | 9-1   | 1045718  | 1041258  | 1040442  | 1042473  | 0.27   | cps   |
| Bismuth    | 209-1 | 11167801 | 11191167 | 11242059 | 11200342 | 0.34   | cps   |
| Bismuth    | 209-2 | 6073465  | 6027542  | 6079524  | 6060177  | 0.47   | cps   |
| Boron      | 10-1  | 195192   | 197641   | 198427   | 197087   | 0.86   | cps   |
| Boron      | 11-1  | 906680   | 935455   | 934379   | 925504   | 1.76   | cps   |
| Cadmium    | 111-1 | 1010750  | 1019891  | 1022799  | 1017813  | 0.62   | cps   |
| Cadmium    | 106-1 | 118291   | 118088   | 119978   | 118786   | 0.87   | cps   |
| Cadmium    | 108-1 | 80473    | 80112    | 81336    | 80640    | 0.78   | cps   |
| Calcium    | 43-1  | 3383797  | 3375169  | 3379184  | 3379383  | 0.13   | cps   |
| Calcium    | 44-1  | 54030487 | 54000585 | 53952487 | 53994519 | 0.07   | cps   |
| Chromium   | 52-2  | 1212915  | 1223044  | 1229801  | 1221920  | 0.70   | cps   |
| Cobalt     | 59-2  | 1925168  | 1949621  | 1956203  | 1943664  | 0.84   | cps   |
| Copper     | 63-2  | 2707206  | 2687892  | 2684854  | 2693317  | 0.45   | cps   |
| Dysprosium | 156-1 | 300      | 325      | 317      | 314      | 4.05   | cps   |
| Dysprosium | 156-2 | 240      | 170      | 277      | 229      | 23.68  | cps   |
| Erbium     | 164-1 | 92       | 100      | 117      | 103      | 12.38  | cps   |
| Erbium     | 164-2 | 47       | 73       | 77       | 66       | 25.08  | cps   |
| Gadolinium | 160-1 | 400      | 375      | 342      | 372      | 7.86   | cps   |
| Gadolinium | 160-2 | 403      | 293      | 347      | 348      | 15.82  | cps   |
| Holmium    | 165-1 | 17965625 | 18108556 | 18234990 | 18103057 | 0.74   | cps   |
| Holmium    | 165-2 | 8986235  | 8895926  | 8958462  | 8946874  | 0.52   | cps   |
| Indium     | 115-1 | 12962825 | 13069041 | 13102691 | 13044852 | 0.56   | cps   |
| Indium     | 115-2 | 2332739  | 2348734  | 2348446  | 2343306  | 0.39   | cps   |
| Iron       | 56-2  | 51750893 | 51621318 | 51666348 | 51679520 | 0.13   | cps   |
| Iron       | 57-2  | 1245604  | 1250634  | 1262277  | 1252838  | 0.68   | cps   |
| Lead       | 206-1 | 3761277  | 3775188  | 3794444  | 3776970  | 0.44   | cps   |
| Lead       | 207-1 | 3309910  | 3360995  | 3365295  | 3345400  | 0.92   | cps   |
| Lead       | 208-1 | 15120183 | 15250237 | 15294610 | 15221677 | 0.60   | cps   |
| Lithium    | 6-1   | 4748150  | 4800529  | 4790792  | 4779824  | 0.58   | cps   |
| Magnesium  | 24-2  | 10824673 | 10827689 | 10894820 | 10849061 | 0.37   | cps   |
| Manganese  | 55-2  | 1438483  | 1450221  | 1458921  | 1449209  | 0.71   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01A            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913/ | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:03:05  | DataFile Name :   | 027SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 9054359  | 9029488  | 9102733  | 9062193  | 0.41   | cps   |
| Molybdenum | 95-1  | 10939081 | 10998821 | 11055436 | 10997779 | 0.53   | cps   |
| Molybdenum | 96-1  | 12027575 | 12143032 | 12248442 | 12139683 | 0.91   | cps   |
| Molybdenum | 97-1  | 6928074  | 6987826  | 7004056  | 6973319  | 0.57   | cps   |
| Molybdenum | 98-1  | 17482183 | 17648387 | 17648619 | 17593063 | 0.55   | cps   |
| Neodymium  | 150-1 | 307      | 413      | 327      | 349      | 16.25  | cps   |
| Neodymium  | 150-2 | 77       | 67       | 47       | 63       | 24.12  | cps   |
| Nickel     | 60-2  | 514100   | 515176   | 519562   | 516280   | 0.56   | cps   |
| Phosphorus | 31-2  | 925      | 1092     | 942      | 986      | 9.31   | cps   |
| Potassium  | 39-2  | 4934862  | 4910133  | 4958686  | 4934560  | 0.49   | cps   |
| Rhodium    | 103-1 | 11408297 | 11451923 | 11513652 | 11457957 | 0.46   | cps   |
| Rhodium    | 103-2 | 5305796  | 5285846  | 5279469  | 5290370  | 0.26   | cps   |
| Scandium   | 45-1  | 8240357  | 8340373  | 8256468  | 8279066  | 0.65   | cps   |
| Scandium   | 45-2  | 332228   | 333572   | 334008   | 333269   | 0.28   | cps   |
| Selenium   | 77-2  | 3487     | 3377     | 3240     | 3368     | 3.67   | cps   |
| Selenium   | 78-2  | 10826    | 11073    | 10771    | 10890    | 1.48   | cps   |
| Selenium   | 82-1  | 78109    | 78723    | 79415    | 78749    | 0.83   | cps   |
| Silicon    | 28-1  | 39600412 | 39565811 | 39430349 | 39532191 | 0.23   | cps   |
| Silver     | 109-1 | 5142259  | 5158172  | 5148729  | 5149720  | 0.16   | cps   |
| Silver     | 107-1 | 5288501  | 5278399  | 5330858  | 5299253  | 0.53   | cps   |
| Sodium     | 23-2  | 24506546 | 24452011 | 24585531 | 24514696 | 0.27   | cps   |
| Strontium  | 86-1  | 1997241  | 2000407  | 2016988  | 2004878  | 0.53   | cps   |
| Strontium  | 88-1  | 17620995 | 17617256 | 17647474 | 17628575 | 0.09   | cps   |
| Sulfur     | 34-1  | 499982   | 497516   | 495287   | 497595   | 0.47   | cps   |
| Terbium    | 159-1 | 18469997 | 18699175 | 18647803 | 18605658 | 0.65   | cps   |
| Terbium    | 159-2 | 8850809  | 8753703  | 8805984  | 8803499  | 0.55   | cps   |
| Thallium   | 203-1 | 4716983  | 4711024  | 4772617  | 4733541  | 0.72   | cps   |
| Thallium   | 205-1 | 10970530 | 11035558 | 11055590 | 11020559 | 0.40   | cps   |
| Thorium    | 232-1 | 3145     | 2895     | 2934     | 2991     | 4.50   | cps   |
| Tin        | 118-1 | 3606617  | 3621499  | 3637897  | 3622004  | 0.43   | cps   |
| Titanium   | 47-1  | 3080124  | 3077335  | 3055083  | 3070847  | 0.45   | cps   |
| Uranium    | 238-1 | 16593794 | 16670367 | 16748540 | 16670900 | 0.46   | cps   |
| Vanadium   | 51-2  | 997672   | 998678   | 1001382  | 999244   | 0.19   | cps   |
| Yttrium    | 89-1  | 13697005 | 13852720 | 13716186 | 13755304 | 0.62   | cps   |
| Yttrium    | 89-2  | 1821657  | 1828564  | 1833551  | 1827924  | 0.33   | cps   |
| Zinc       | 66-2  | 367346   | 368554   | 372287   | 369395   | 0.70   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB98039              | Operator :        | Jaswal    |
| Lab Sample ID :         | J4924-01A            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC018-W-180913/ | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:03:05  | DataFile Name :   | 027SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 7572273 | 7625218 | 7621271 | 7606254 | 0.39   | cps   |
| Zirconium | 91-1 | 1650347 | 1658710 | 1671826 | 1660294 | 0.65   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV05               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV05               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 15:07:07 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 5192227   | 5258666   | 5250757   | 5233883   | 0.69   | cps   |
| Antimony   | 121-1 | 3986898   | 4003432   | 4011500   | 4000610   | 0.31   | cps   |
| Arsenic    | 75-2  | 144525    | 144755    | 144479    | 144586    | 0.10   | cps   |
| Barium     | 135-1 | 6062569   | 6025504   | 6028167   | 6038747   | 0.34   | cps   |
| Barium     | 137-1 | 10551967  | 10482395  | 10488265  | 10507542  | 0.37   | cps   |
| Beryllium  | 9-1   | 1191493   | 1198095   | 1210198   | 1199929   | 0.79   | cps   |
| Bismuth    | 209-1 | 10913970  | 10937124  | 10946240  | 10932445  | 0.15   | cps   |
| Bismuth    | 209-2 | 6046825   | 6065114   | 6081031   | 6064323   | 0.28   | cps   |
| Boron      | 10-1  | 190571    | 195978    | 202192    | 196247    | 2.96   | cps   |
| Boron      | 11-1  | 878375    | 919094    | 930361    | 909277    | 3.01   | cps   |
| Cadmium    | 111-1 | 1046633   | 1054200   | 1062217   | 1054350   | 0.74   | cps   |
| Cadmium    | 106-1 | 126376    | 126266    | 129410    | 127351    | 1.40   | cps   |
| Cadmium    | 108-1 | 85544     | 84902     | 86889     | 85778     | 1.18   | cps   |
| Calcium    | 43-1  | 7652013   | 7771898   | 7753536   | 7725816   | 0.84   | cps   |
| Calcium    | 44-1  | 123111269 | 124473953 | 123882357 | 123822526 | 0.55   | cps   |
| Chromium   | 52-2  | 1501481   | 1514415   | 1515709   | 1510535   | 0.52   | cps   |
| Cobalt     | 59-2  | 2225516   | 2250890   | 2247456   | 2241287   | 0.61   | cps   |
| Copper     | 63-2  | 2992142   | 2993804   | 3008770   | 2998239   | 0.31   | cps   |
| Dysprosium | 156-1 | 92        | 175       | 108       | 125       | 35.28  | cps   |
| Dysprosium | 156-2 | 103       | 110       | 97        | 103       | 6.45   | cps   |
| Erbium     | 164-1 | 83        | 67        | 92        | 81        | 15.80  | cps   |
| Erbium     | 164-2 | 53        | 33        | 40        | 42        | 24.12  | cps   |
| Gadolinium | 160-1 | 125       | 208       | 83        | 139       | 45.82  | cps   |
| Gadolinium | 160-2 | 243       | 270       | 227       | 247       | 8.86   | cps   |
| Holmium    | 165-1 | 19030851  | 18972831  | 19029961  | 19011214  | 0.17   | cps   |
| Holmium    | 165-2 | 9535769   | 9530493   | 9556223   | 9540829   | 0.14   | cps   |
| Indium     | 115-1 | 13153725  | 13286843  | 13226337  | 13222302  | 0.50   | cps   |
| Indium     | 115-2 | 2417979   | 2451467   | 2448340   | 2439262   | 0.76   | cps   |
| Iron       | 56-2  | 302089496 | 302778462 | 304383540 | 303083833 | 0.39   | cps   |
| Iron       | 57-2  | 7245309   | 7296079   | 7308869   | 7283419   | 0.46   | cps   |
| Lead       | 206-1 | 3957790   | 3950881   | 3927934   | 3945535   | 0.40   | cps   |
| Lead       | 207-1 | 3610828   | 3615387   | 3595320   | 3607178   | 0.29   | cps   |
| Lead       | 208-1 | 16191936  | 16182468  | 16051282  | 16141895  | 0.49   | cps   |
| Lithium    | 6-1   | 4779651   | 4803492   | 4826665   | 4803269   | 0.49   | cps   |
| Magnesium  | 24-2  | 57893862  | 58374366  | 58631955  | 58300061  | 0.64   | cps   |
| Manganese  | 55-2  | 1706301   | 1725747   | 1723419   | 1718489   | 0.62   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV05               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV05               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 15:07:07 | DataFile Name :   | 028CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Molybdenum | 94-1  | 10166975  | 10114634  | 10091980  | 10124530  | 0.38   | cps   |
| Molybdenum | 95-1  | 12359357  | 12335999  | 12316013  | 12337123  | 0.18   | cps   |
| Molybdenum | 96-1  | 13678091  | 13652165  | 13598642  | 13642966  | 0.30   | cps   |
| Molybdenum | 97-1  | 7807126   | 7781938   | 7835028   | 7808030   | 0.34   | cps   |
| Molybdenum | 98-1  | 19696716  | 19725448  | 19821231  | 19747798  | 0.33   | cps   |
| Neodymium  | 150-1 | 353       | 447       | 433       | 411       | 12.28  | cps   |
| Neodymium  | 150-2 | 27        | 73        | 40        | 47        | 51.50  | cps   |
| Nickel     | 60-2  | 585782    | 590249    | 593067    | 589699    | 0.62   | cps   |
| Phosphorus | 31-2  | 51356     | 54350     | 54735     | 53480     | 3.46   | cps   |
| Potassium  | 39-2  | 26242585  | 26595767  | 26618463  | 26485605  | 0.80   | cps   |
| Rhodium    | 103-1 | 11635643  | 11644059  | 11650701  | 11643468  | 0.06   | cps   |
| Rhodium    | 103-2 | 5492248   | 5536948   | 5529129   | 5519442   | 0.43   | cps   |
| Scandium   | 45-1  | 9126105   | 9141229   | 9198238   | 9155191   | 0.42   | cps   |
| Scandium   | 45-2  | 390142    | 399719    | 399625    | 396495    | 1.39   | cps   |
| Selenium   | 77-2  | 3677      | 3861      | 3774      | 3771      | 2.43   | cps   |
| Selenium   | 78-2  | 12050     | 12442     | 12090     | 12194     | 1.77   | cps   |
| Selenium   | 82-1  | 82447     | 82856     | 82907     | 82737     | 0.30   | cps   |
| Silicon    | 28-1  | 3842634   | 3909683   | 3962564   | 3904961   | 1.54   | cps   |
| Silver     | 109-1 | 5600264   | 5563758   | 5594085   | 5586035   | 0.35   | cps   |
| Silver     | 107-1 | 5787023   | 5724801   | 5784263   | 5765362   | 0.61   | cps   |
| Sodium     | 23-2  | 112602240 | 113755878 | 113603044 | 113320387 | 0.55   | cps   |
| Strontium  | 86-1  | 1567526   | 1583284   | 1578674   | 1576495   | 0.51   | cps   |
| Strontium  | 88-1  | 13715418  | 13811265  | 13762655  | 13763113  | 0.35   | cps   |
| Sulfur     | 34-1  | 702516    | 709710    | 705195    | 705807    | 0.52   | cps   |
| Terbium    | 159-1 | 19302291  | 19485439  | 19362398  | 19383376  | 0.48   | cps   |
| Terbium    | 159-2 | 9391189   | 9457358   | 9477648   | 9442065   | 0.48   | cps   |
| Thallium   | 203-1 | 5067142   | 5010139   | 5006164   | 5027815   | 0.68   | cps   |
| Thallium   | 205-1 | 11731383  | 11624334  | 11690523  | 11682080  | 0.46   | cps   |
| Thorium    | 232-1 | 18376467  | 18437005  | 18344794  | 18386089  | 0.25   | cps   |
| Tin        | 118-1 | 4032485   | 4063099   | 4014438   | 4036674   | 0.61   | cps   |
| Titanium   | 47-1  | 3590144   | 3586560   | 3601961   | 3592888   | 0.22   | cps   |
| Uranium    | 238-1 | 17538534  | 17525484  | 17378015  | 17480678  | 0.51   | cps   |
| Vanadium   | 51-2  | 1215989   | 1225763   | 1225755   | 1222502   | 0.46   | cps   |
| Yttrium    | 89-1  | 14557148  | 14590434  | 14533337  | 14560306  | 0.20   | cps   |
| Yttrium    | 89-2  | 2018758   | 2050933   | 2054250   | 2041314   | 0.96   | cps   |
| Zinc       | 66-2  | 412347    | 410386    | 415200    | 412644    | 0.59   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB98039             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV05               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV05               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-09-19 15:07:07 | DataFile Name :   | 028CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 8582416 | 8568430 | 8515164 | 8555337 | 0.41   | cps   |
| Zirconium | 91-1 | 1857623 | 1864065 | 1867813 | 1863167 | 0.28   | cps   |

LB Number : LB98039 Operator : Jaswal  
 Lab Sample ID : CCB05 Instrumnet Name : P7  
 Client Sample ID : CCB05 Dilution Factor : 1  
 Date & Time Acquired :: 2018-09-19 15:12:00 DataFile Name : 029CCBE.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 158      | 133      | 167      | 153      | 11.36  | cps   |
| Antimony   | 121-1 | 1442     | 1325     | 1233     | 1333     | 7.83   | cps   |
| Arsenic    | 75-2  | 11       | 7        | 7        | 9        | 24.71  | cps   |
| Barium     | 135-1 | 117      | 83       | 92       | 97       | 17.84  | cps   |
| Barium     | 137-1 | 225      | 117      | 158      | 167      | 32.79  | cps   |
| Beryllium  | 9-1   | 233      | 217      | 250      | 233      | 7.14   | cps   |
| Bismuth    | 209-1 | 12636412 | 12449469 | 12369059 | 12484980 | 1.10   | cps   |
| Bismuth    | 209-2 | 7176614  | 7191010  | 7428361  | 7265328  | 1.95   | cps   |
| Boron      | 10-1  | 13348    | 13014    | 12280    | 12881    | 4.24   | cps   |
| Boron      | 11-1  | 60614    | 58983    | 56967    | 58855    | 3.10   | cps   |
| Cadmium    | 111-1 | 1089     | 1009     | 1010     | 1036     | 4.40   | cps   |
| Cadmium    | 106-1 | 4784     | 4493     | 4618     | 4631     | 3.16   | cps   |
| Cadmium    | 108-1 | 25       | 25       | 29       | 26       | 9.12   | cps   |
| Calcium    | 43-1  | 383      | 375      | 350      | 369      | 4.69   | cps   |
| Calcium    | 44-1  | 9921     | 9679     | 9796     | 9798     | 1.23   | cps   |
| Chromium   | 52-2  | 583      | 627      | 590      | 600      | 3.89   | cps   |
| Cobalt     | 59-2  | 63       | 90       | 67       | 73       | 19.81  | cps   |
| Copper     | 63-2  | 2434     | 2510     | 2440     | 2461     | 1.73   | cps   |
| Dysprosium | 156-1 | 8        | 8        | 8        | 8        | 0.00   | cps   |
| Dysprosium | 156-2 | 10       | 7        | 3        | 7        | 50.03  | cps   |
| Erbium     | 164-1 | 33       | 58       | 92       | 61       | 47.89  | cps   |
| Erbium     | 164-2 | 13       | 53       | 37       | 34       | 58.34  | cps   |
| Gadolinium | 160-1 | 125      | 100      | 83       | 103      | 20.41  | cps   |
| Gadolinium | 160-2 | 203      | 253      | 257      | 238      | 12.56  | cps   |
| Holmium    | 165-1 | 19512456 | 19227809 | 19061164 | 19267143 | 1.18   | cps   |
| Holmium    | 165-2 | 9971898  | 10025514 | 10411096 | 10136169 | 2.36   | cps   |
| Indium     | 115-1 | 14892284 | 14797912 | 14587582 | 14759259 | 1.06   | cps   |
| Indium     | 115-2 | 2747079  | 2767164  | 2844785  | 2786343  | 1.85   | cps   |
| Iron       | 56-2  | 6196     | 5746     | 6207     | 6050     | 4.35   | cps   |
| Iron       | 57-2  | 200      | 183      | 172      | 185      | 7.55   | cps   |
| Lead       | 206-1 | 533      | 583      | 478      | 532      | 9.93   | cps   |
| Lead       | 207-1 | 367      | 417      | 500      | 428      | 15.75  | cps   |
| Lead       | 208-1 | 2095     | 2089     | 2228     | 2137     | 3.68   | cps   |
| Lithium    | 6-1   | 5468594  | 5450187  | 5351566  | 5423449  | 1.16   | cps   |
| Magnesium  | 24-2  | 750      | 708      | 725      | 728      | 2.88   | cps   |
| Manganese  | 55-2  | 90       | 110      | 100      | 100      | 10.00  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB05               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB05               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:12:00 | DataFile Name :   | 029CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Molybdenum | 94-1  | 1600     | 1392     | 1233     | 1408     | 13.06  | cps   |
| Molybdenum | 95-1  | 1558     | 1167     | 1433     | 1386     | 14.43  | cps   |
| Molybdenum | 96-1  | 1784     | 1717     | 1475     | 1659     | 9.78   | cps   |
| Molybdenum | 97-1  | 1017     | 892      | 892      | 933      | 7.73   | cps   |
| Molybdenum | 98-1  | 2384     | 2342     | 2367     | 2364     | 0.89   | cps   |
| Neodymium  | 150-1 | 0        | 7        | 0        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 67       | 67       | 43       | 59       | 22.88  | cps   |
| Phosphorus | 31-2  | 92       | 92       | 108      | 97       | 9.90   | cps   |
| Potassium  | 39-2  | 12372    | 11797    | 11914    | 12028    | 2.53   | cps   |
| Rhodium    | 103-1 | 13756765 | 13584201 | 13549695 | 13630220 | 0.81   | cps   |
| Rhodium    | 103-2 | 6560110  | 6522030  | 6805749  | 6629296  | 2.32   | cps   |
| Scandium   | 45-1  | 9845878  | 9799852  | 9729830  | 9791853  | 0.60   | cps   |
| Scandium   | 45-2  | 415062   | 418942   | 432143   | 422049   | 2.12   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 43       | 44       | 33       | 40       | 14.84  | cps   |
| Selenium   | 82-1  | 24       | -31      | 32       | 8        | 403.93 | cps   |
| Silicon    | 28-1  | 225485   | 221958   | 220544   | 222662   | 1.14   | cps   |
| Silver     | 109-1 | 867      | 942      | 1017     | 942      | 7.97   | cps   |
| Silver     | 107-1 | 1117     | 1042     | 1150     | 1103     | 5.03   | cps   |
| Sodium     | 23-2  | 27860    | 26574    | 26224    | 26886    | 3.21   | cps   |
| Strontium  | 86-1  | 508      | 533      | 483      | 508      | 4.92   | cps   |
| Strontium  | 88-1  | 867      | 808      | 758      | 811      | 6.69   | cps   |
| Sulfur     | 34-1  | 182520   | 183356   | 186974   | 184284   | 1.28   | cps   |
| Terbium    | 159-1 | 20032651 | 19893139 | 19846452 | 19924081 | 0.49   | cps   |
| Terbium    | 159-2 | 10001707 | 9968898  | 10336827 | 10102477 | 2.02   | cps   |
| Thallium   | 203-1 | 942      | 692      | 800      | 811      | 15.46  | cps   |
| Thallium   | 205-1 | 2067     | 1875     | 1842     | 1928     | 6.30   | cps   |
| Thorium    | 232-1 | 2267     | 2306     | 2045     | 2206     | 6.39   | cps   |
| Tin        | 118-1 | 3209     | 3092     | 3209     | 3170     | 2.13   | cps   |
| Titanium   | 47-1  | 208      | 133      | 142      | 161      | 25.51  | cps   |
| Uranium    | 238-1 | 200      | 258      | 275      | 244      | 16.11  | cps   |
| Vanadium   | 51-2  | 40       | 33       | 27       | 33       | 20.00  | cps   |
| Yttrium    | 89-1  | 15588891 | 15500628 | 15354214 | 15481245 | 0.77   | cps   |
| Yttrium    | 89-2  | 2148521  | 2152226  | 2248004  | 2182917  | 2.58   | cps   |
| Zinc       | 66-2  | 683      | 717      | 710      | 703      | 2.51   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB98039             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB05               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB05               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-09-19 15:12:00 | DataFile Name :   | 029CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1850 | 1642 | 1600 | 1697    | 7.89   | cps   |
| Zirconium | 91-1 | 283  | 267  | 350  | 300     | 14.70  | cps   |