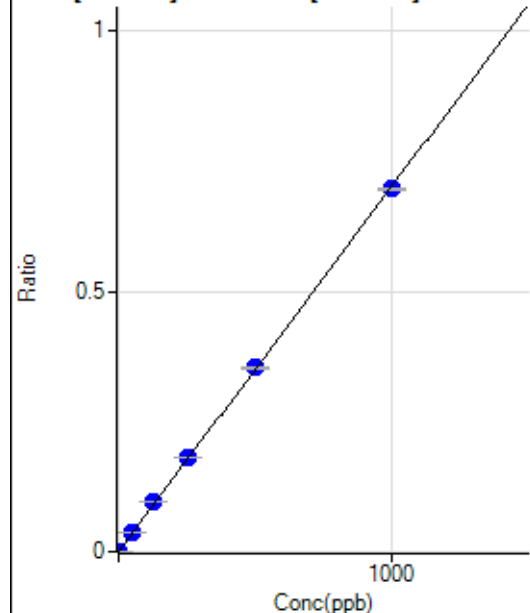


Batch Folder: D:\ICP-MS Data\P7052019 MS.b\  
Analysis File: P7052019 MS.batch.bin  
DA Date-Time: 2019-05-20 16:38:03  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2019-05-20 10:52:37 |
| 2     |                    |             |                     |
| 3     | 005CAL.S.d         | S02         | 2019-05-20 11:00:34 |
| 4     | 006CAL.S.d         | S03         | 2019-05-20 11:04:31 |
| 5     | 007CAL.S.d         | S04         | 2019-05-20 11:08:27 |
| 6     | 008CAL.S.d         | S05         | 2019-05-20 11:12:20 |
| 7     | 009CAL.S.d         | S06         | 2019-05-20 11:16:10 |
| 8     | 010CAL.S.d         | S07         | 2019-05-20 11:19:58 |
| 9     | 011CAL.S.d         | S08         | 2019-05-20 11:23:44 |

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      | 55.55      | 0.0000 | P    | 19.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.988      | 1782.35    | 0.0007 | P    | 1.4  |
| 4 | <input type="checkbox"/> | 50.000   | 53.751     | 91826.50   | 0.0377 | P    | 0.3  |
| 5 | <input type="checkbox"/> | 125.000  | 136.808    | 224795.30  | 0.0959 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 250.000  | 258.032    | 389062.62  | 0.1808 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 503.586    | 716551.50  | 0.3529 | P    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.535    | 1393394.77 | 0.6969 | P    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 310.01     | 0.0001 | P    | 26.5 |

$$y = 7.0073\text{E-}004 * x + 2.2273\text{E-}005$$

$$R = 0.9999$$

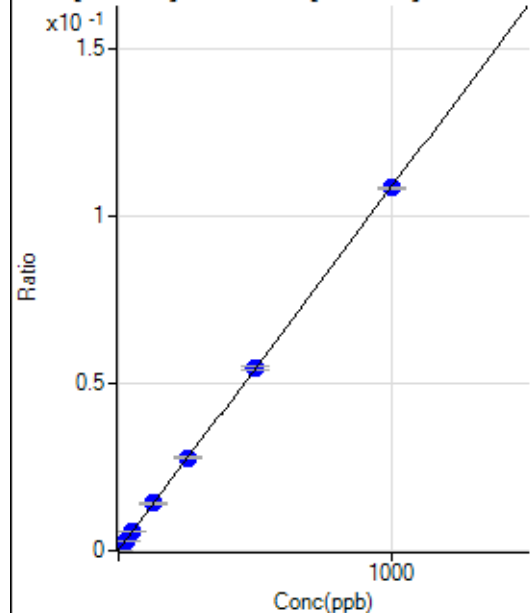
$$DL = 0.01874$$

$$BEC = 0.03178$$

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      | 363.91    | 0.0001 | P    | 26.5 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 23.809     | 6815.67   | 0.0027 | P    | 2.1  |
| 4 | <input type="checkbox"/> | 50.000   | 52.108     | 14143.23  | 0.0058 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 130.306    | 33513.05  | 0.0143 | P    | 3.0  |
| 6 | <input type="checkbox"/> | 250.000  | 253.320    | 59503.87  | 0.0277 | P    | 2.0  |
| 7 | <input type="checkbox"/> | 500.000  | 502.193    | 111030.08 | 0.0547 | P    | 1.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.335    | 216875.33 | 0.1085 | P    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 9542.24   | 0.0046 | P    | 11.1 |

$$y = 1.0861\text{E-}004 * x + 1.4575\text{E-}004$$

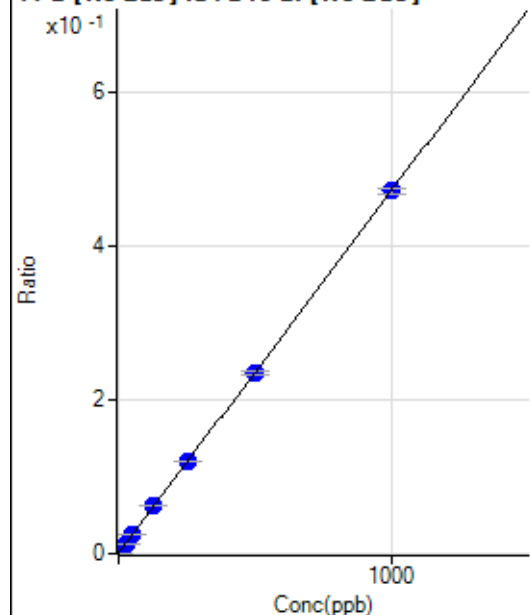
$$R = 1.0000$$

$$DL = 1.066$$

$$BEC = 1.342$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1427.90   | 0.0006 | P    | 12.2 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 24.103     | 29721.82  | 0.0119 | P    | 4.3  |
| 4 | <input type="checkbox"/> | 50.000   | 51.350     | 60257.09  | 0.0247 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 131.735    | 146646.30 | 0.0626 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 252.671    | 257002.15 | 0.1195 | P    | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 497.771    | 476670.02 | 0.2348 | P    | 1.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.560    | 941533.50 | 0.4709 | P    | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 40901.02  | 0.0195 | P    | 8.6  |

$$y = 4.7051\text{E-}004 * x + 5.7205\text{E-}004$$

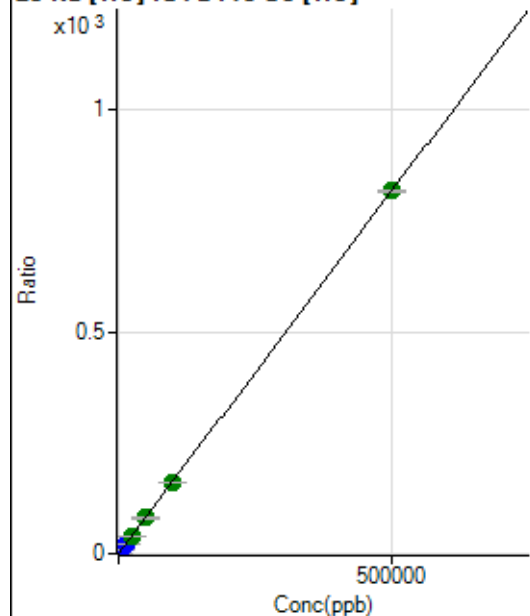
$$R = 1.0000$$

$$DL = 0.4432$$

$$BEC = 1.216$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|-------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4203.53     | 0.0208   | P    | 4.3 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 475.359    | 162654.80   | 0.7973   | P    | 0.9 |
| 4 | <input type="checkbox"/> | 5000.000  | 5022.004   | 1609941.92  | 8.2241   | P    | 1.1 |
| 5 | <input type="checkbox"/> | 12500.000 | 13110.332  | 3945323.31  | 21.4362  | P    | 2.1 |
| 6 | <input type="checkbox"/> | 25000.000 | 24812.812  | 6883133.14  | 40.5518  | A    | 1.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 49205.532  | 13265222.78 | 80.3966  | A    | 1.1 |
| 8 | <input type="checkbox"/> | 100000.00 | 97980.185  | 26590717.78 | 160.0685 | A    | 0.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 500477.31  | 148937475.5 | 817.5354 | A    | 0.4 |

$$y = 0.0016 * x + 0.0208$$

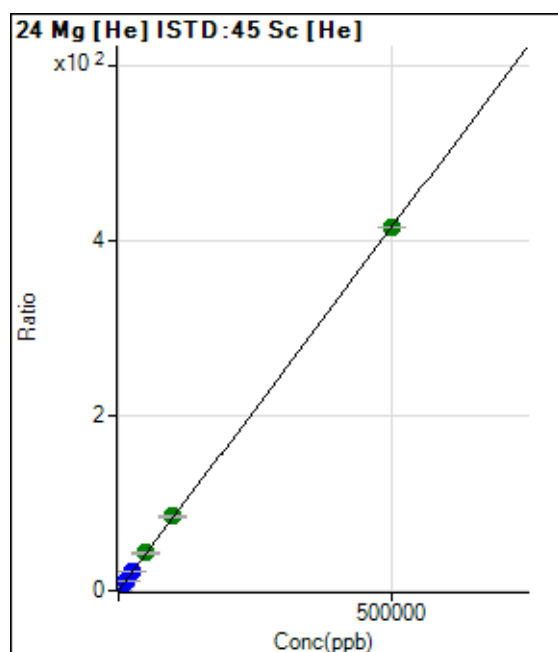
$$R = 1.0000$$

$$DL = 1.654$$

$$BEC = 12.75$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS         | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 133.34      | 0.0007   | P    | 17.9 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 520.377    | 88346.08    | 0.4330   | P    | 0.5  |
| 4 | <input type="checkbox"/> | 5000.000  | 5311.735   | 864186.97   | 4.4142   | P    | 0.5  |
| 5 | <input type="checkbox"/> | 12500.000 | 13811.097  | 2112234.12  | 11.4764  | P    | 2.2  |
| 6 | <input type="checkbox"/> | 25000.000 | 26220.832  | 3698164.93  | 21.7878  | P    | 1.0  |
| 7 | <input type="checkbox"/> | 50000.000 | 51686.251  | 7086389.57  | 42.9472  | A    | 0.6  |
| 8 | <input type="checkbox"/> | 100000.00 | 102209.98  | 14108289.20 | 84.9278  | A    | 0.7  |
| 9 | <input type="checkbox"/> | 500000.00 | 499292.42  | 75578843.36 | 414.8671 | A    | 0.1  |

$$y = 8.3091\text{E-}004 * x + 6.5973\text{E-}004$$

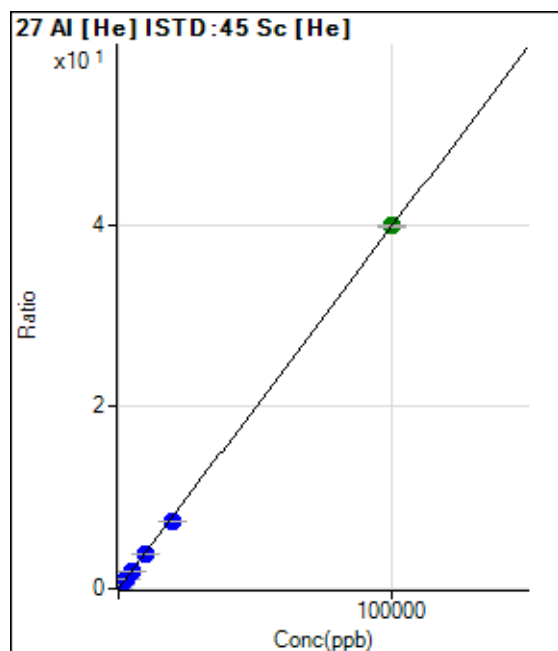
$$R = 1.0000$$

$$DL = 0.4258$$

$$BEC = 0.794$$

Weight: <None>

Min Conc: 0



|   | R <sub>ct</sub>          | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 19.45      | 0.0001  | P    | 23.7 |
| 2 | <input type="checkbox"/> | 2.000     |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 20.000    | 19.361     | 1589.04    | 0.0078  | P    | 11.5 |
| 4 | <input type="checkbox"/> | 1000.000  | 994.992    | 77486.99   | 0.3959  | P    | 2.1  |
| 5 | <input type="checkbox"/> | 2500.000  | 2531.594   | 185345.51  | 1.0071  | P    | 2.4  |
| 6 | <input type="checkbox"/> | 5000.000  | 4851.935   | 327600.86  | 1.9300  | P    | 0.9  |
| 7 | <input type="checkbox"/> | 10000.000 | 9557.408   | 627294.63  | 3.8017  | P    | 0.6  |
| 8 | <input type="checkbox"/> | 20000.000 | 18773.379  | 1240482.80 | 7.4674  | P    | 0.3  |
| 9 | <input type="checkbox"/> | 100000.00 | 100296.24  | 7267919.52 | 39.8939 | A    | 0.6  |

$$y = 3.9776\text{E-}004 * x + 9.6189\text{E-}005$$

$$R = 0.9999$$

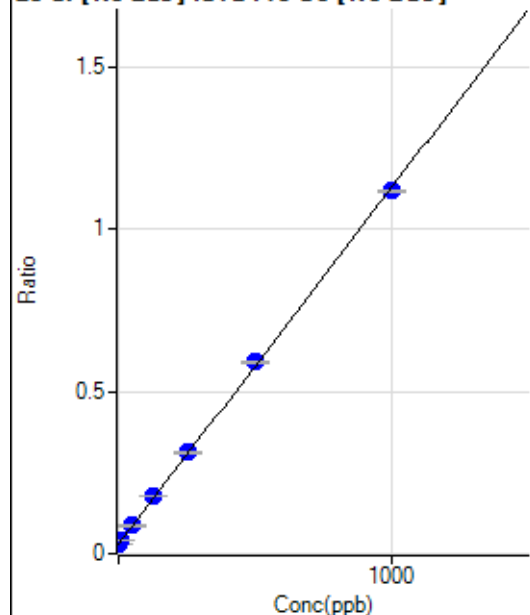
$$DL = 0.172$$

$$BEC = 0.2418$$

Weight: <None>

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 123928.99  | 0.0291 | P    | 0.3 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 10.000   | 9.344      | 166830.14  | 0.0394 | P    | 0.2 |
| 4 | <input type="checkbox"/> | 50.000   | 51.802     | 356214.72  | 0.0860 | P    | 1.0 |
| 5 | <input type="checkbox"/> | 125.000  | 132.907    | 698428.02  | 0.1750 | P    | 0.2 |
| 6 | <input type="checkbox"/> | 250.000  | 257.376    | 1123411.95 | 0.3116 | P    | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 511.794    | 2020611.87 | 0.5908 | P    | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 991.187    | 3756496.70 | 1.1168 | P    | 0.2 |
| 9 | <input type="checkbox"/> |          |            | 192329.53  | 0.0538 | P    | 2.1 |

$$y = 0.0011 * x + 0.0291$$

$$R = 0.9998$$

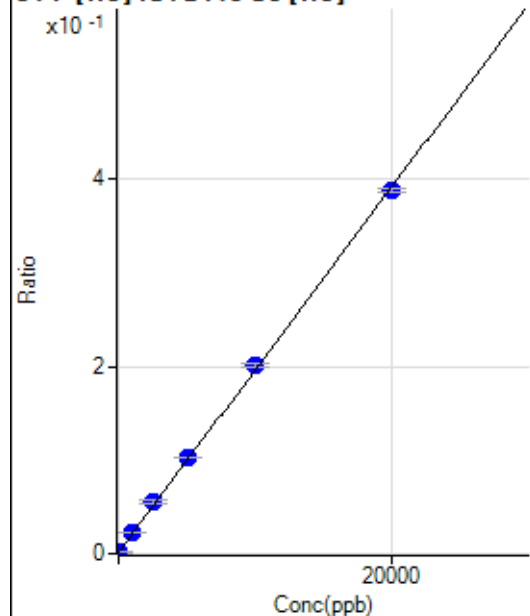
$$DL = 0.277$$

$$BEC = 26.56$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | -26.464    | 191.67   | 0.0009 | P    | 54.0 |
| 2 | <input type="checkbox"/> | 0.000     |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 0.000     | 26.464     | 402.80   | 0.0020 | P    | 31.2 |
| 4 | <input type="checkbox"/> | 1000.000  | 1101.471   | 4492.53  | 0.0230 | P    | 5.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2785.943   | 10270.58 | 0.0558 | P    | 6.9  |
| 6 | <input type="checkbox"/> | 5000.000  | 5189.121   | 17435.77 | 0.1027 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 10212.068  | 33118.16 | 0.2007 | P    | 2.0  |
| 8 | <input type="checkbox"/> | 20000.000 | 19805.869  | 64445.14 | 0.3879 | P    | 0.9  |
| 9 | <input type="checkbox"/> |           |            | 291.68   | 0.0016 | P    | 10.9 |

$$y = 1.9513E-005 * x + 0.0015$$

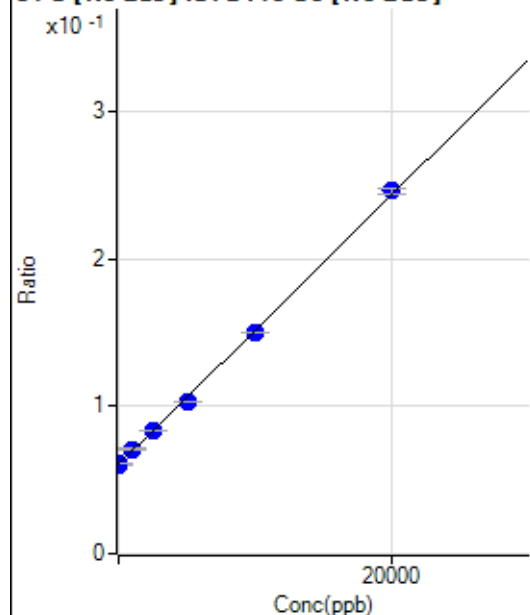
$$R = 0.9998$$

$$DL = 86.66$$

$$BEC = 74.96$$

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     | -51.642    | 255867.25 | 0.0602 | P    | 0.6 |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 0.000     | 51.642     | 258798.24 | 0.0611 | P    | 0.3 |
| 4 | <input type="checkbox"/> | 1000.000  | 1119.757   | 293724.73 | 0.0709 | P    | 0.9 |
| 5 | <input type="checkbox"/> | 2500.000  | 2443.391   | 331382.92 | 0.0830 | P    | 0.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 4602.588   | 370695.65 | 0.1028 | P    | 0.5 |
| 7 | <input type="checkbox"/> | 10000.000 | 9738.720   | 512610.07 | 0.1499 | P    | 0.5 |
| 8 | <input type="checkbox"/> | 20000.000 | 20231.081  | 827333.85 | 0.2460 | P    | 1.7 |
| 9 | <input type="checkbox"/> |           |            | 222558.33 | 0.0623 | P    | 1.4 |

$$y = 9.1615\text{E-}006 * x + 0.0606$$

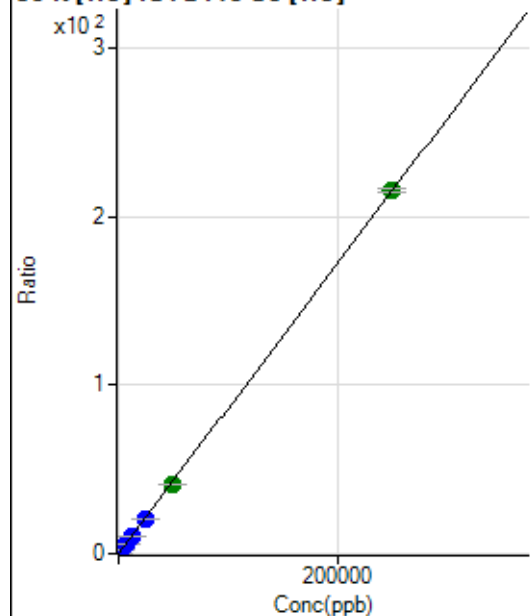
$$R = 0.9996$$

$$DL = 89.37$$

$$BEC = 6619$$

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      | 13609.57    | 0.0674   | P    | 4.8 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 475.345    | 97077.72    | 0.4759   | P    | 2.1 |
| 4 | <input type="checkbox"/> | 2500.000  | 2504.991   | 434602.65   | 2.2201   | P    | 1.2 |
| 5 | <input type="checkbox"/> | 6250.000  | 6479.883   | 1037361.72  | 5.6360   | P    | 1.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 12228.975  | 1795237.52  | 10.5765  | P    | 0.8 |
| 7 | <input type="checkbox"/> | 25000.000 | 24183.589  | 3440169.82  | 20.8498  | P    | 1.0 |
| 8 | <input type="checkbox"/> | 50000.000 | 47551.559  | 6799558.14  | 40.9312  | A    | 0.4 |
| 9 | <input type="checkbox"/> | 250000.00 | 250579.13  | 39242628.31 | 215.4044 | A    | 0.9 |

$$y = 8.5936\text{E-}004 * x + 0.0674$$

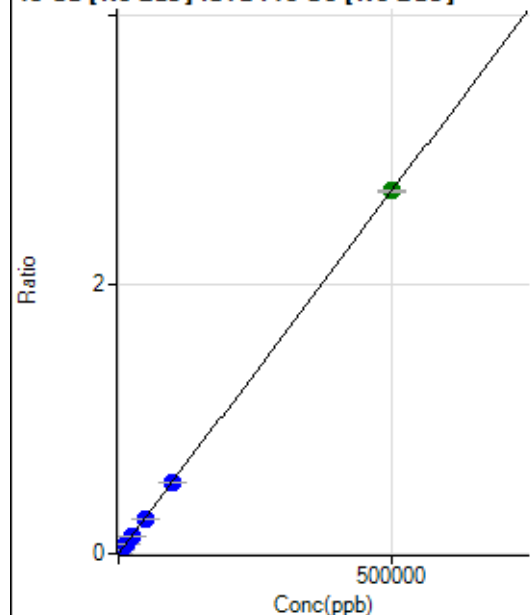
$$R = 0.9999$$

$$DL = 11.32$$

$$BEC = 78.47$$

Weight: &lt;None&gt;

Min Conc: 0

**43 Ca [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      | 69.45      | 0.0000 | P    | 49.3 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 470.107    | 10807.17   | 0.0026 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 5000.000  | 4927.975   | 110192.01  | 0.0266 | P    | 0.8  |
| 5 | <input type="checkbox"/> | 12500.000 | 12914.624  | 278112.23  | 0.0697 | P    | 0.5  |
| 6 | <input type="checkbox"/> | 25000.000 | 24732.945  | 481106.04  | 0.1334 | P    | 0.8  |
| 7 | <input type="checkbox"/> | 50000.000 | 48974.952  | 903663.44  | 0.2642 | P    | 0.3  |
| 8 | <input type="checkbox"/> | 100000.00 | 97999.875  | 1778032.24 | 0.5286 | P    | 0.4  |
| 9 | <input type="checkbox"/> | 500000.00 | 500506.26  | 9648290.67 | 2.6997 | A    | 0.4  |

$$y = 5.3940\text{E-}006 * x + 1.6300\text{E-}005$$

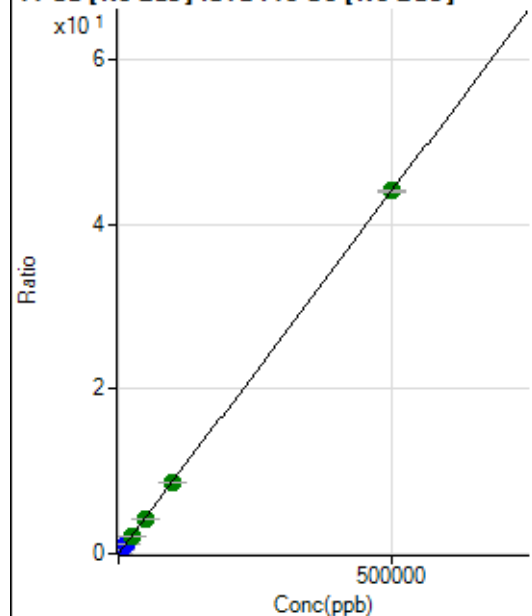
$$R = 1.0000$$

$$DL = 4.467$$

$$BEC = 3.022$$

Weight: &lt;None&gt;

Min Conc: 0

**44 Ca [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      | 4373.12     | 0.0010  | P    | 5.8 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |         |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 468.737    | 179085.71   | 0.0423  | P    | 0.1 |
| 4 | <input type="checkbox"/> | 5000.000  | 5006.220   | 1829919.68  | 0.4417  | P    | 0.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 12985.213  | 4566202.97  | 1.1441  | P    | 1.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 24685.850  | 7839040.28  | 2.1741  | A    | 0.5 |
| 7 | <input type="checkbox"/> | 50000.000 | 48611.443  | 14640314.91 | 4.2801  | A    | 0.3 |
| 8 | <input type="checkbox"/> | 100000.00 | 98142.661  | 29061277.39 | 8.6402  | A    | 0.4 |
| 9 | <input type="checkbox"/> | 500000.00 | 500513.87  | 157455274.3 | 44.0598 | A    | 0.6 |

$$y = 8.8027\text{E-}005 * x + 0.0010$$

$$R = 1.0000$$

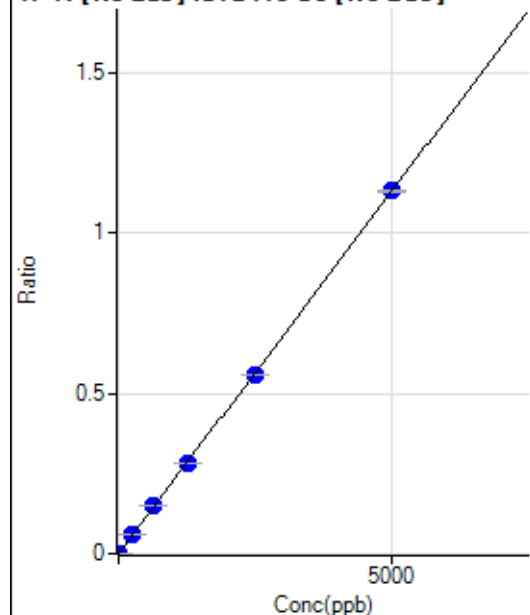
$$DL = 2.033$$

$$BEC = 11.68$$

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      | 69.45      | 0.0000 | P   | 18.3 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.114      | 4962.16    | 0.0012 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 250.000  | 256.200    | 239854.93  | 0.0579 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 625.000  | 660.259    | 595452.59  | 0.1492 | P   | 0.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1258.164   | 1024996.46 | 0.2843 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2467.335   | 1906707.88 | 0.5575 | P   | 0.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 5009.574   | 3806831.12 | 1.1318 | P   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1747.41    | 0.0005 | P   | 6.3  |

$$y = 2.2593E-004 * x + 1.6330E-005$$

$$R = 0.9999$$

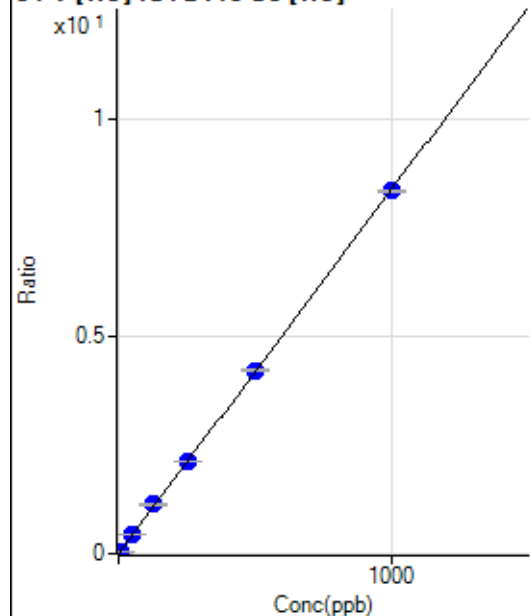
$$DL = 0.03965$$

$$BEC = 0.07228$$

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      | 4.45       | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.127      | 8784.94    | 0.0431 | P   | 1.5  |
| 4 | <input type="checkbox"/> | 50.000   | 52.219     | 85824.60   | 0.4384 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 135.361    | 209160.89  | 1.1363 | P   | 1.7  |
| 6 | <input type="checkbox"/> | 250.000  | 254.436    | 362551.50  | 2.1360 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 502.440    | 695939.00  | 4.2179 | P   | 1.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.264    | 1389348.43 | 8.3635 | P   | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 166.67     | 0.0009 | P   | 7.7  |

$$y = 0.0084 * x + 2.1857E-005$$

$$R = 0.9999$$

$$DL = 0.006765$$

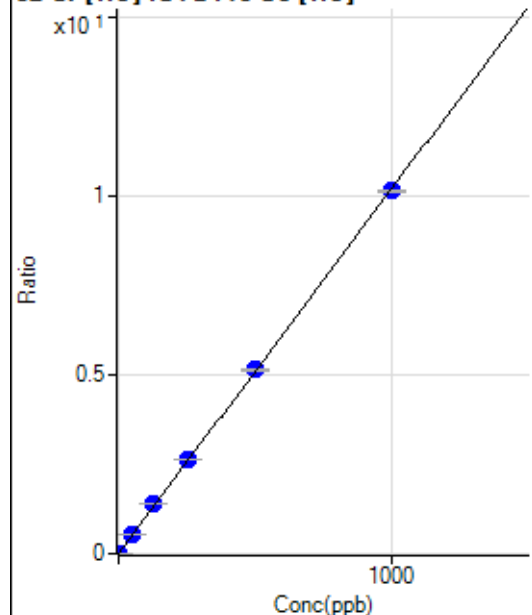
$$BEC = 0.002604$$

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      | 443.35     | 0.0022  | P   | 8.9 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 1.989      | 4586.35    | 0.0225  | P   | 0.3 |
| 4 | <input type="checkbox"/> | 50.000   | 52.362     | 104947.77  | 0.5361  | P   | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 135.959    | 255529.47  | 1.3884  | P   | 2.3 |
| 6 | <input type="checkbox"/> | 250.000  | 256.975    | 445097.67  | 2.6223  | P   | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 503.968    | 848170.63  | 5.1405  | P   | 1.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.784    | 1685254.56 | 10.1448 | P   | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 4089.53    | 0.0225  | P   | 3.5 |

$$y = 0.0102 * x + 0.0022$$

$$R = 0.9999$$

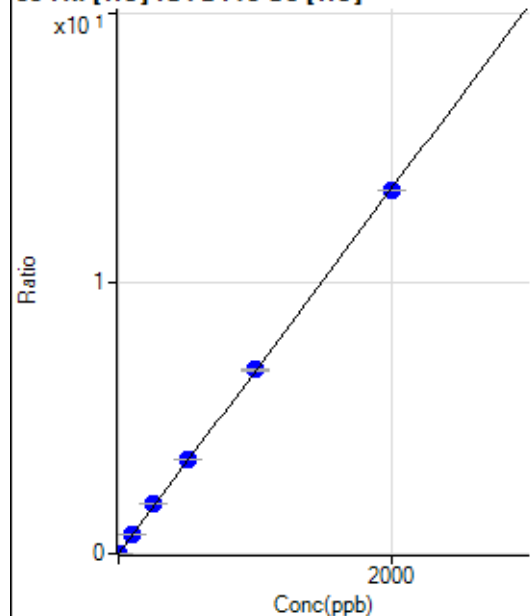
$$DL = 0.05745$$

$$BEC = 0.2156$$

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      | 35.56      | 0.0002  | P   | 34.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.002      | 1415.65    | 0.0069  | P   | 2.9  |
| 4 | <input type="checkbox"/> | 100.000  | 104.694    | 138370.00  | 0.7068  | P   | 1.3  |
| 5 | <input type="checkbox"/> | 250.000  | 271.282    | 337041.44  | 1.8312  | P   | 1.9  |
| 6 | <input type="checkbox"/> | 500.000  | 514.370    | 589310.19  | 3.4719  | P   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.844   | 1125728.65 | 6.8228  | P   | 1.2  |
| 8 | <input type="checkbox"/> | 2000.000 | 1988.091   | 2229106.91 | 13.4186 | P   | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 5483.32    | 0.0301  | P   | 2.7  |

$$y = 0.0067 * x + 1.7651E-004$$

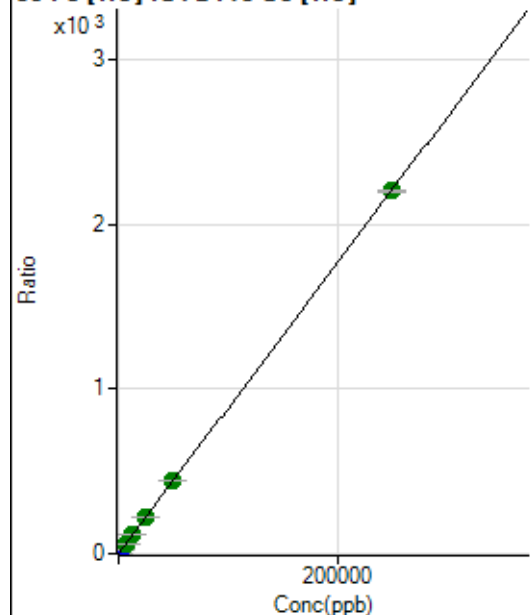
$$R = 0.9999$$

$$DL = 0.02665$$

$$BEC = 0.02615$$

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      | 2576.22     | 0.0128    | P    | 2.5 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |           |      |     |
| 3 | <input type="checkbox"/> | 50.000    | 53.233     | 98444.72    | 0.4826    | P    | 1.3 |
| 4 | <input type="checkbox"/> | 2500.000  | 2666.295   | 4609308.61  | 23.5444   | P    | 0.7 |
| 5 | <input type="checkbox"/> | 6250.000  | 6818.906   | 11079215.64 | 60.1937   | A    | 1.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 13011.048  | 19493652.52 | 114.8430  | A    | 0.4 |
| 7 | <input type="checkbox"/> | 25000.000 | 25521.136  | 37166697.59 | 225.2519  | A    | 0.8 |
| 8 | <input type="checkbox"/> | 50000.000 | 50207.859  | 73612259.05 | 443.1269  | A    | 0.1 |
| 9 | <input type="checkbox"/> | 250000.00 | 249864.87  | 401745334.9 | 2,205.218 | A    | 0.5 |

$$y = 0.0088 * x + 0.0128$$

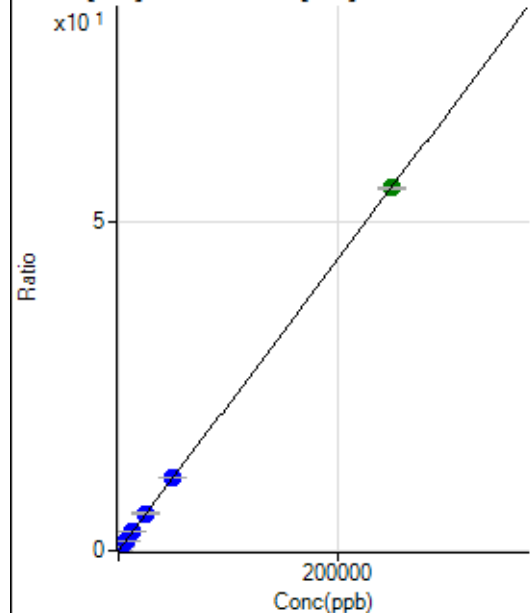
$$R = 1.0000$$

$$DL = 0.1085$$

$$BEC = 1.446$$

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      | 118.53      | 0.0006  | P    | 29.5 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |         |      |      |
| 3 | <input type="checkbox"/> | 50.000    | 54.126     | 2557.69     | 0.0125  | P    | 3.1  |
| 4 | <input type="checkbox"/> | 2500.000  | 2683.502   | 116073.63   | 0.5929  | P    | 1.2  |
| 5 | <input type="checkbox"/> | 6250.000  | 6855.934   | 278635.41   | 1.5139  | P    | 2.0  |
| 6 | <input type="checkbox"/> | 12500.000 | 12994.078  | 486957.11   | 2.8687  | P    | 0.5  |
| 7 | <input type="checkbox"/> | 25000.000 | 25782.920  | 939078.92   | 5.6915  | P    | 1.2  |
| 8 | <input type="checkbox"/> | 50000.000 | 50338.799  | 1845867.08  | 11.1116 | P    | 0.2  |
| 9 | <input type="checkbox"/> | 250000.00 | 249812.26  | 10045240.39 | 55.1404 | A    | 0.6  |

$$y = 2.2072E-004 * x + 5.8860E-004$$

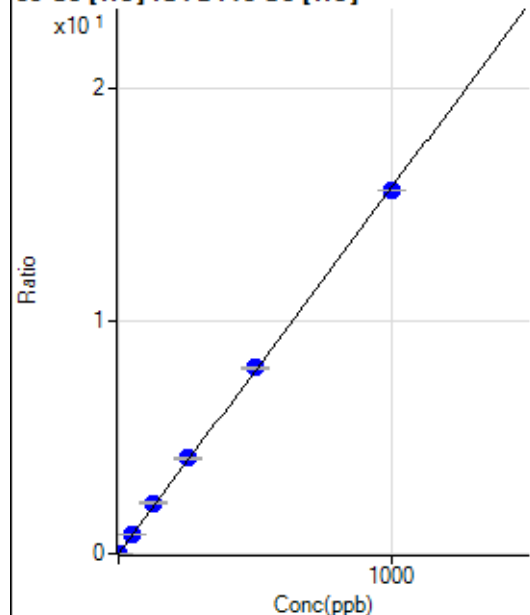
$$R = 1.0000$$

$$DL = 2.36$$

$$BEC = 2.667$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 28.89      | 0.0001  | P   | 34.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.028      | 3325.98    | 0.0163  | P   | 1.4  |
| 4 | <input type="checkbox"/> | 50.000   | 54.070     | 166424.80  | 0.8501  | P   | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 138.933    | 402012.05  | 2.1842  | P   | 2.0  |
| 6 | <input type="checkbox"/> | 250.000  | 260.136    | 694153.34  | 4.0895  | P   | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 508.517    | 1319001.00 | 7.9941  | P   | 1.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.262    | 2588655.10 | 15.5830 | P   | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 33113.06   | 0.1818  | P   | 2.2  |

$$y = 0.0157 * x + 1.4285E-004$$

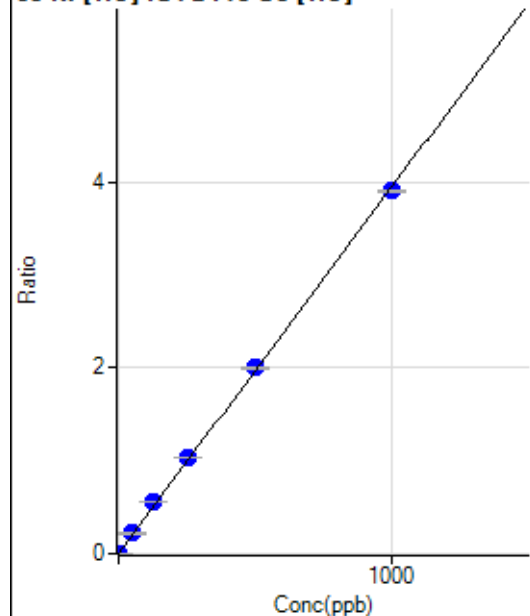
$$R = 0.9998$$

$$DL = 0.009434$$

$$BEC = 0.009087$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 42.22     | 0.0002 | P   | 13.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.040      | 878.93    | 0.0043 | P   | 3.5  |
| 4 | <input type="checkbox"/> | 50.000   | 55.160     | 42622.05  | 0.2177 | P   | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 141.758    | 102915.72 | 0.5592 | P   | 2.4  |
| 6 | <input type="checkbox"/> | 250.000  | 263.798    | 176605.11 | 1.0404 | P   | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 507.744    | 330377.68 | 2.0023 | P   | 1.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 990.326    | 648747.88 | 3.9053 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 6808.36   | 0.0374 | P   | 1.8  |

$$y = 0.0039 * x + 2.0931E-004$$

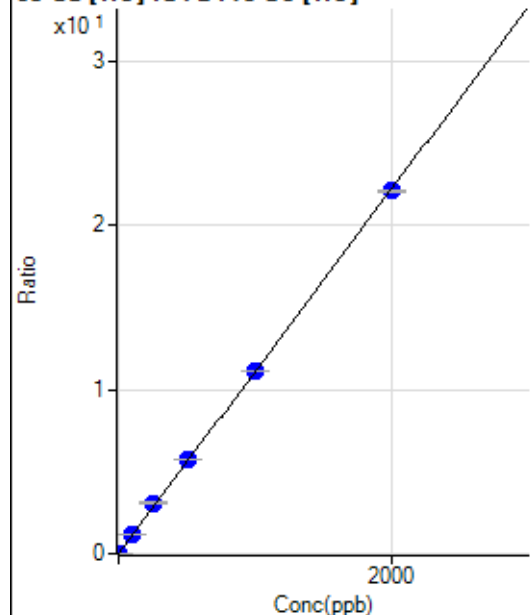
$$R = 0.9998$$

$$DL = 0.02064$$

$$BEC = 0.05308$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 403.35     | 0.0020  | P    | 6.2 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.009      | 4957.59    | 0.0243  | P    | 0.3 |
| 4 | <input type="checkbox"/> | 100.000  | 106.255    | 231292.48  | 1.1815  | P    | 0.9 |
| 5 | <input type="checkbox"/> | 250.000  | 277.998    | 568346.33  | 3.0879  | P    | 2.0 |
| 6 | <input type="checkbox"/> | 500.000  | 518.558    | 977381.72  | 5.7583  | P    | 1.1 |
| 7 | <input type="checkbox"/> | 1000.000 | 1002.168   | 1835875.63 | 11.1267 | P    | 1.0 |
| 8 | <input type="checkbox"/> | 2000.000 | 1990.464   | 3670833.66 | 22.0973 | P    | 0.2 |
| 9 | <input type="checkbox"/> |          |            | 2705.85    | 0.0149  | P    | 2.7 |

$$y = 0.0111 * x + 0.0020$$

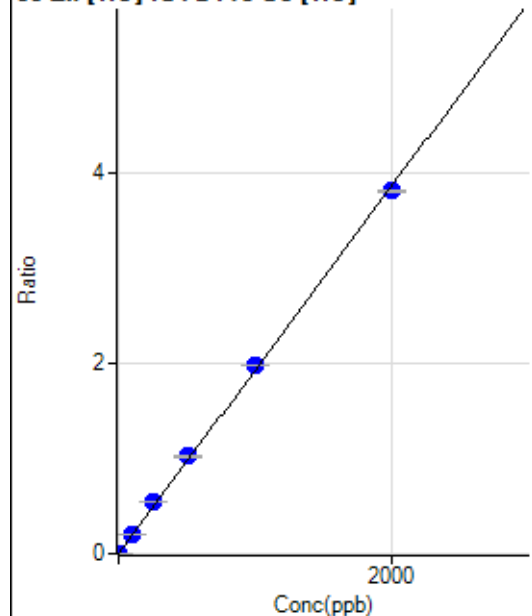
$$R = 0.9999$$

$$DL = 0.03361$$

$$BEC = 0.1799$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|-----------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 147.78    | 0.0007 | P    | 5.3 |
| 2 | <input type="checkbox"/> | 0.200    |            |           |        |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 1.933      | 911.16    | 0.0045 | P    | 5.8 |
| 4 | <input type="checkbox"/> | 100.000  | 106.092    | 40233.29  | 0.2055 | P    | 1.5 |
| 5 | <input type="checkbox"/> | 250.000  | 281.004    | 99973.38  | 0.5432 | P    | 2.1 |
| 6 | <input type="checkbox"/> | 500.000  | 530.711    | 174016.09 | 1.0252 | P    | 0.9 |
| 7 | <input type="checkbox"/> | 1000.000 | 1025.368   | 326715.52 | 1.9801 | P    | 0.9 |
| 8 | <input type="checkbox"/> | 2000.000 | 1975.458   | 633614.26 | 3.8142 | P    | 0.4 |
| 9 | <input type="checkbox"/> |          |            | 4326.26   | 0.0237 | P    | 1.7 |

$$y = 0.0019 * x + 7.3198E-004$$

$$R = 0.9997$$

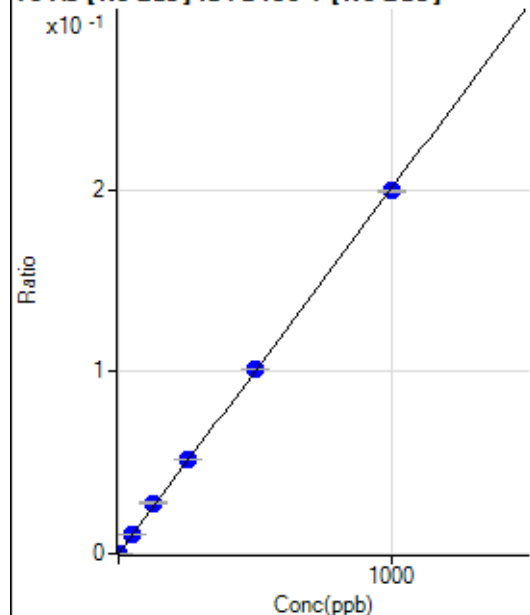
$$DL = 0.06069$$

$$BEC = 0.3792$$

Weight: &lt;None&gt;

Min Conc: 0

75 As [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      | -186.19    | 0.0000 | P   | -33. |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.886      | 1005.52    | 0.0002 | P   | 13.5 |
| 4 | <input type="checkbox"/> | 50.000   | 54.274     | 72247.28   | 0.0109 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 139.341    | 180428.38  | 0.0280 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 258.689    | 313406.99  | 0.0520 | P   | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 505.382    | 586714.95  | 0.1016 | P   | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.131    | 1147236.57 | 0.1996 | P   | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 1506.97    | 0.0003 | P   | 6.9  |

$$y = 2.0106E-004 * x - 2.7685E-005$$

$$R = 0.9999$$

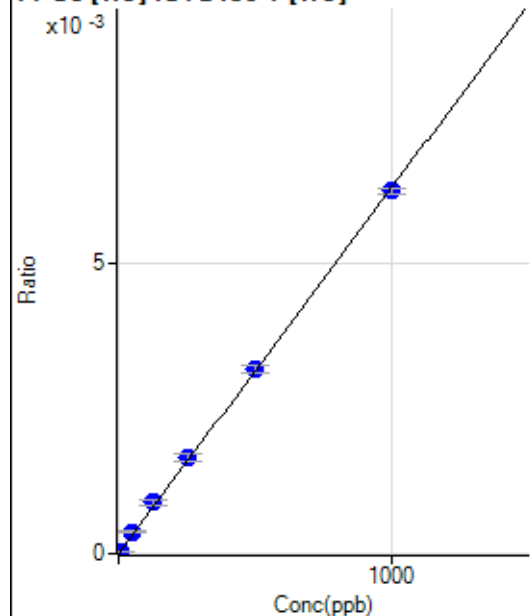
$$DL = 0.1364$$

$$BEC = -0.1377$$

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      | 0.00    | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 0.500    |            |         |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.862      | 42.22   | 0.0000 | P   | 44.6 |
| 4 | <input type="checkbox"/> | 50.000   | 59.153     | 413.35  | 0.0004 | P   | 6.5  |
| 5 | <input type="checkbox"/> | 125.000  | 139.688    | 916.71  | 0.0009 | P   | 10.0 |
| 6 | <input type="checkbox"/> | 250.000  | 262.493    | 1627.90 | 0.0017 | P   | 6.5  |
| 7 | <input type="checkbox"/> | 500.000  | 505.244    | 3020.37 | 0.0032 | P   | 4.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 991.957    | 5975.76 | 0.0062 | P   | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 2.22    | 0.0000 | P   | 86.6 |

$$y = 6.2987E-006 * x + 0.0000E+000$$

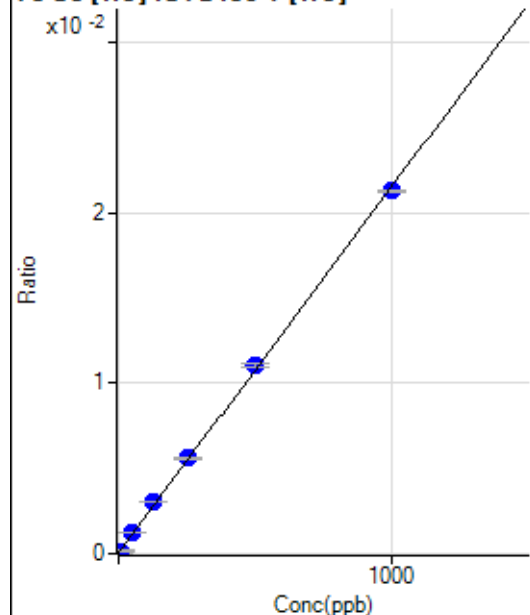
$$R = 0.9998$$

$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS      | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|----------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00    | 0.0000 | P    | 18.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.553      | 186.43   | 0.0002 | P    | 16.8 |
| 4 | <input type="checkbox"/> | 50.000   | 54.973     | 1358.10  | 0.0012 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 139.939    | 3179.39  | 0.0030 | P    | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 259.575    | 5530.11  | 0.0056 | P    | 2.1  |
| 7 | <input type="checkbox"/> | 500.000  | 512.674    | 10486.58 | 0.0111 | P    | 1.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.150    | 20351.39 | 0.0213 | P    | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 34.57    | 0.0000 | P    | 32.2 |

$$y = 2.1468\text{E-}005 * x + 4.3907\text{E-}005$$

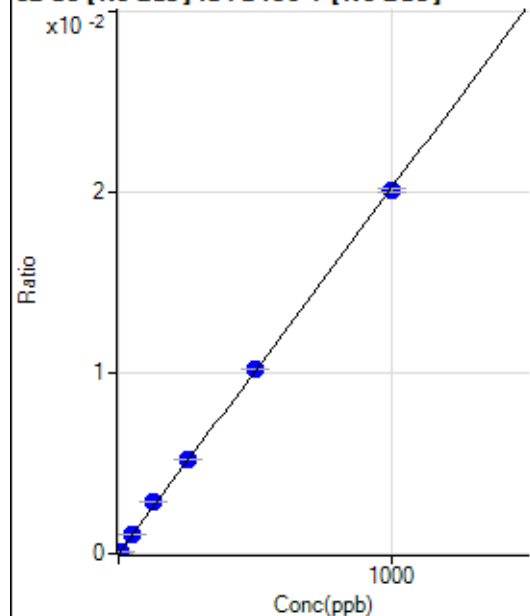
$$R = 0.9998$$

$$DL = 1.118$$

$$BEC = 2.045$$

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      | 29.58     | 0.0000 | P    | 114. |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.641      | 791.93    | 0.0001 | P    | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 54.390     | 7334.77   | 0.0011 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 139.954    | 18285.32  | 0.0028 | P    | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 259.027    | 31627.33  | 0.0052 | P    | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 505.921    | 59153.66  | 0.0102 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.691    | 115444.05 | 0.0201 | P    | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 86.13     | 0.0000 | P    | 61.1 |

$$y = 2.0235\text{E-}005 * x + 4.4179\text{E-}006$$

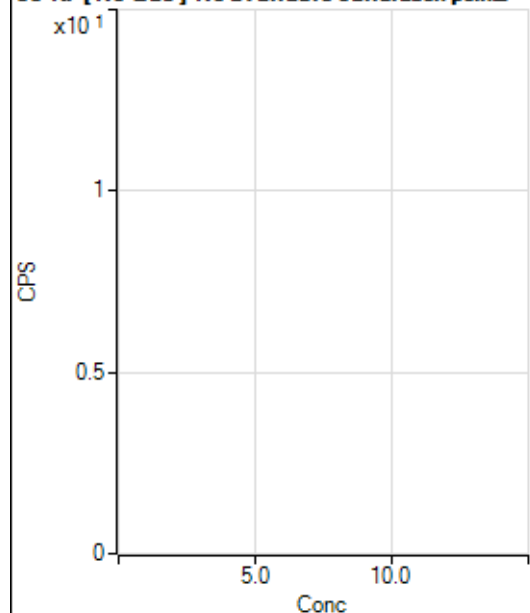
$$R = 0.9999$$

$$DL = 0.7477$$

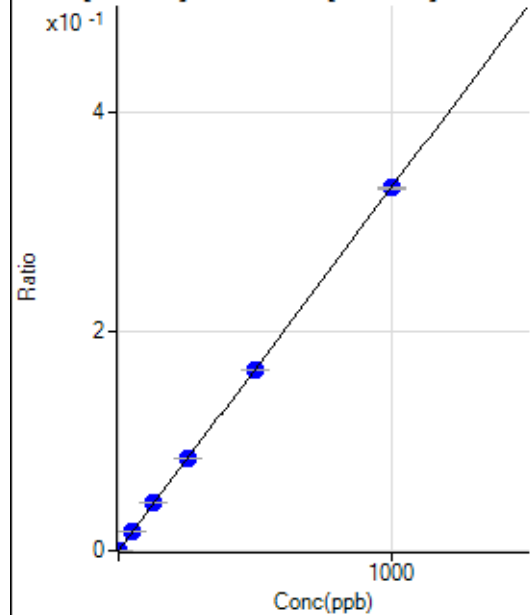
$$BEC = 0.2183$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 258.90 |       | P        | 18.7 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 267.79 |       | P        | 5.0  |
| 4 | <input type="checkbox"/> |       |            | 257.78 |       | P        | 4.9  |
| 5 | <input type="checkbox"/> |       |            | 250.01 |       | P        | 1.3  |
| 6 | <input type="checkbox"/> |       |            | 238.90 |       | P        | 6.3  |
| 7 | <input type="checkbox"/> |       |            | 221.12 |       | P        | 13.2 |
| 8 | <input type="checkbox"/> |       |            | 213.34 |       | P        | 16.3 |
| 9 | <input type="checkbox"/> |       |            | 245.56 |       | P        | 19.9 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 391.69     | 0.0001 | P        | 15.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.040      | 2692.03    | 0.0004 | P        | 8.6  |
| 4 | <input type="checkbox"/> | 50.000   | 51.341     | 113358.97  | 0.0171 | P        | 0.2  |
| 5 | <input type="checkbox"/> | 125.000  | 133.804    | 286332.50  | 0.0444 | P        | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 251.895    | 503810.50  | 0.0836 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 499.244    | 956229.30  | 0.1656 | P        | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.737    | 1902807.68 | 0.3311 | P        | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 8883.66    | 0.0015 | P        | 5.0  |

$$y = 3.3151\text{E-}004 * x + 5.8203\text{E-}005$$

$$R = 1.0000$$

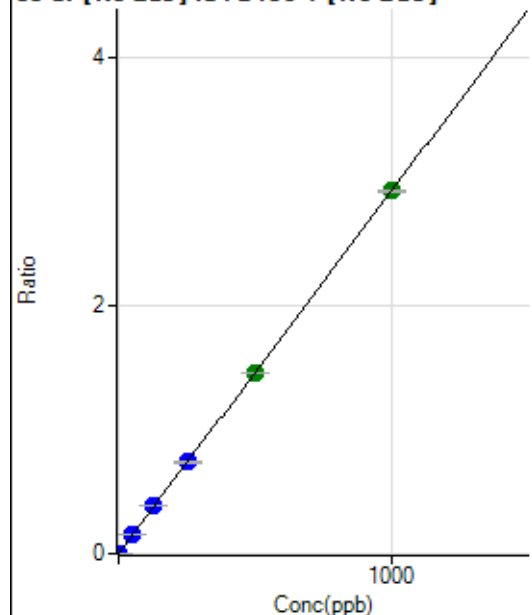
$$DL = 0.08256$$

$$BEC = 0.1756$$

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<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 58.34       | 0.0000 | P        | 36.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.960      | 18826.93    | 0.0028 | P        | 3.1  |
| 4 | <input type="checkbox"/> | 50.000   | 50.999     | 991072.03   | 0.1493 | P        | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 131.793    | 2487399.77  | 0.3858 | P        | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 251.857    | 4445382.31  | 0.7373 | P        | 0.2  |
| 7 | <input type="checkbox"/> | 500.000  | 497.007    | 8403742.46  | 1.4550 | A        | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.133   | 16824308.88 | 2.9280 | A        | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 71042.76    | 0.0123 | P        | 0.3  |

$$y = 0.0029 * x + 8.6416E-006$$

$$R = 1.0000$$

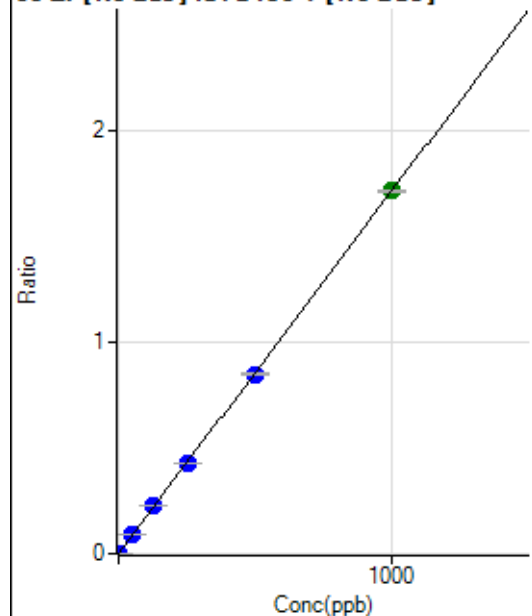
$$DL = 0.003257$$

$$BEC = 0.002952$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 533.37     | 0.0001 | P        | 15.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.924      | 11096.37   | 0.0017 | P        | 3.3  |
| 4 | <input type="checkbox"/> | 50.000   | 50.758     | 577425.70  | 0.0870 | P        | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 132.026    | 1457886.84 | 0.2261 | P        | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 250.449    | 2585953.75 | 0.4289 | P        | 0.1  |
| 7 | <input type="checkbox"/> | 500.000  | 495.776    | 4903497.94 | 0.8490 | P        | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.084   | 9849802.39 | 1.7142 | A        | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 2928.20    | 0.0005 | P        | 11.0 |

$$y = 0.0017 * x + 7.9235E-005$$

$$R = 1.0000$$

$$DL = 0.02214$$

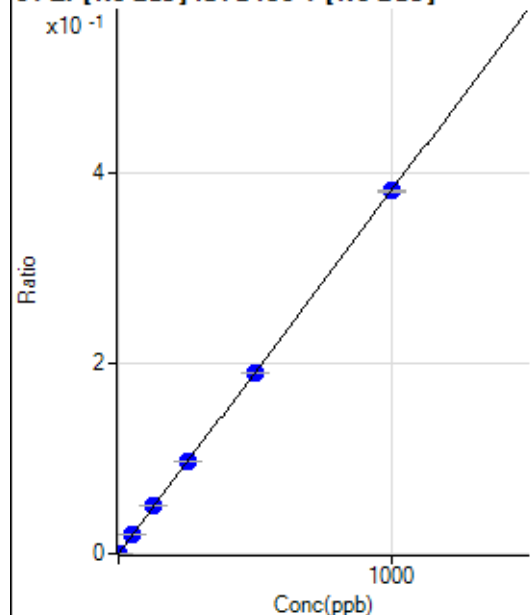
$$BEC = 0.04627$$

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      | 127.78     | 0.0000 | P   | 33.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.943      | 2525.33    | 0.0004 | P   | 6.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.998     | 128984.09  | 0.0194 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 125.000  | 132.967    | 326431.99  | 0.0506 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 253.081    | 580959.14  | 0.0964 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 497.768    | 1094504.62 | 0.1895 | P   | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.300    | 2185886.98 | 0.3804 | P   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 555.59     | 0.0001 | P   | 11.2 |

$$y = 3.8067\text{E-}004 * x + 1.8979\text{E-}005$$

$$R = 1.0000$$

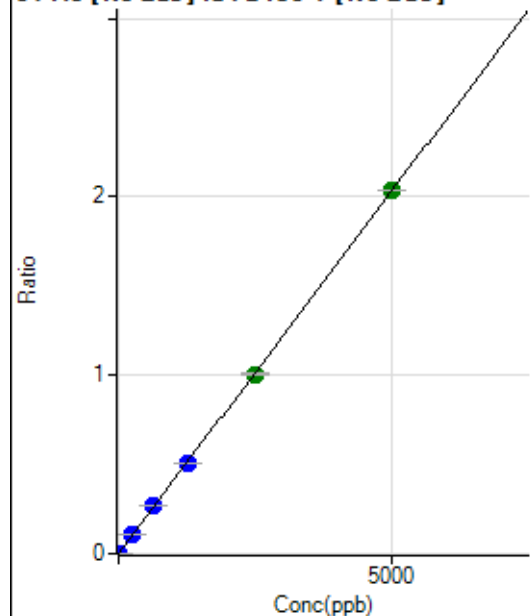
$$DL = 0.04953$$

$$BEC = 0.04986$$

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      | 188.90      | 0.0000 | P   | 18.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.017      | 13793.31    | 0.0021 | P   | 2.4  |
| 4 | <input type="checkbox"/> | 250.000  | 255.079    | 687542.87   | 0.1036 | P   | 0.3  |
| 5 | <input type="checkbox"/> | 625.000  | 660.511    | 1728830.96  | 0.2682 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1253.206   | 3067481.64  | 0.5088 | P   | 0.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2475.181   | 5803746.01  | 1.0049 | A   | 0.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 5006.915   | 11680127.26 | 2.0327 | A   | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 4214.67     | 0.0007 | P   | 8.9  |

$$y = 4.0597\text{E-}004 * x + 2.8032\text{E-}005$$

$$R = 1.0000$$

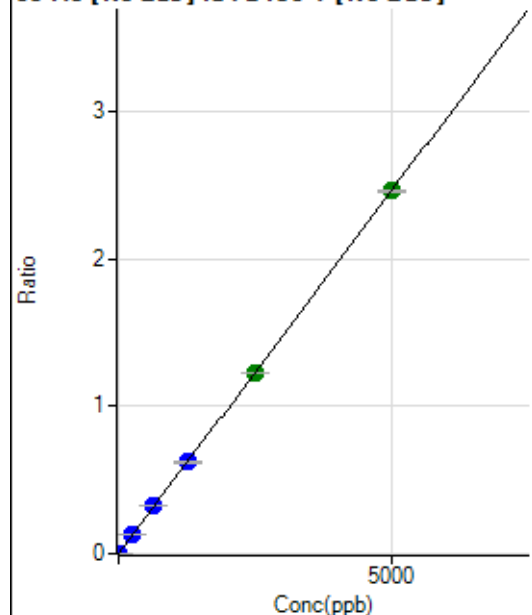
$$DL = 0.03732$$

$$BEC = 0.06905$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33       | 0.0000 | P    | 74.3 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.284      | 17411.28    | 0.0026 | P    | 2.4  |
| 4 | <input type="checkbox"/> | 250.000  | 255.570    | 835245.31   | 0.1258 | P    | 0.3  |
| 5 | <input type="checkbox"/> | 625.000  | 663.128    | 2104824.31  | 0.3265 | P    | 0.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1259.106   | 3737596.27  | 0.6199 | P    | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2486.806   | 7071643.13  | 1.2244 | A    | 0.2  |
| 8 | <input type="checkbox"/> | 5000.000 | 4999.276   | 14143575.14 | 2.4614 | A    | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 5754.16     | 0.0010 | P    | 7.0  |

$$y = 4.9235E-004 * x + 4.9328E-006$$

$$R = 1.0000$$

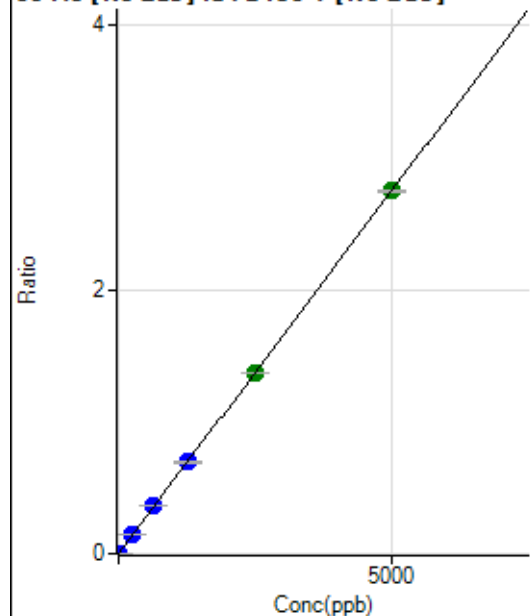
$$DL = 0.02234$$

$$BEC = 0.01002$$

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      | 125.01      | 0.0000 | P    | 24.1 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.157      | 19032.79    | 0.0028 | P    | 1.2  |
| 4 | <input type="checkbox"/> | 250.000  | 253.742    | 924609.37   | 0.1393 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 625.000  | 664.204    | 2350481.74  | 0.3646 | P    | 0.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1259.498   | 4168185.29  | 0.6914 | P    | 0.2  |
| 7 | <input type="checkbox"/> | 2500.000 | 2481.358   | 7866709.29  | 1.3620 | A    | 0.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 5001.858   | 15776355.56 | 2.7455 | A    | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 9320.08     | 0.0016 | P    | 8.1  |

$$y = 5.4890E-004 * x + 1.8561E-005$$

$$R = 1.0000$$

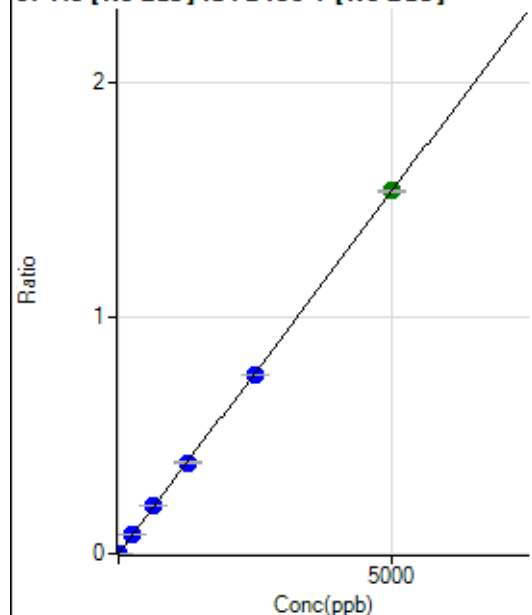
$$DL = 0.02449$$

$$BEC = 0.03382$$

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      | 5.55       | 0.0000 | P    | 86.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.358      | 10999.16   | 0.0016 | P    | 4.0  |
| 4 | <input type="checkbox"/> | 250.000  | 255.797    | 521561.42  | 0.0786 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 625.000  | 663.585    | 1314093.38 | 0.2038 | P    | 0.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1258.601   | 2330849.77 | 0.3866 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2467.750   | 4378209.95 | 0.7580 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 5008.861   | 8840974.07 | 1.5386 | A    | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 3311.64    | 0.0006 | P    | 12.4 |

$$y = 3.0718\text{E-}004 * x + 8.2893\text{E-}007$$

$$R = 0.9999$$

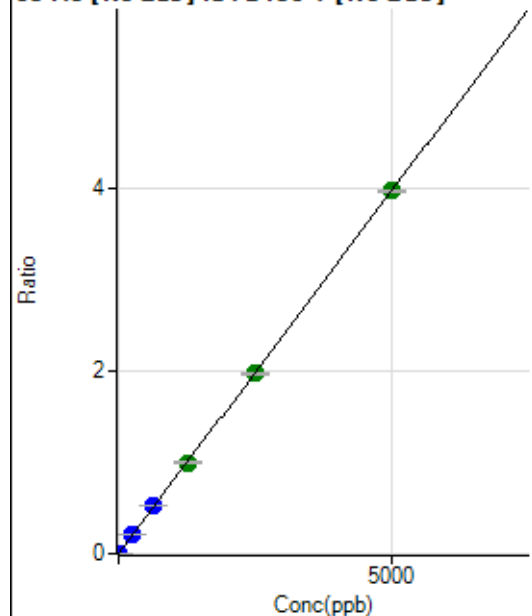
$$DL = 0.007011$$

$$BEC = 0.002699$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11       | 0.0000 | P    | 42.4 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.054      | 26890.13    | 0.0040 | P    | 2.3  |
| 4 | <input type="checkbox"/> | 250.000  | 255.213    | 1346391.22  | 0.2028 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 625.000  | 663.913    | 3401725.38  | 0.5277 | P    | 0.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1258.268   | 6029160.99  | 1.0000 | A    | 0.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2481.173   | 11389366.66 | 1.9720 | A    | 0.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 5002.222   | 22843961.10 | 3.9756 | A    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 8427.85     | 0.0015 | P    | 9.7  |

$$y = 7.9476\text{E-}004 * x + 9.0980\text{E-}006$$

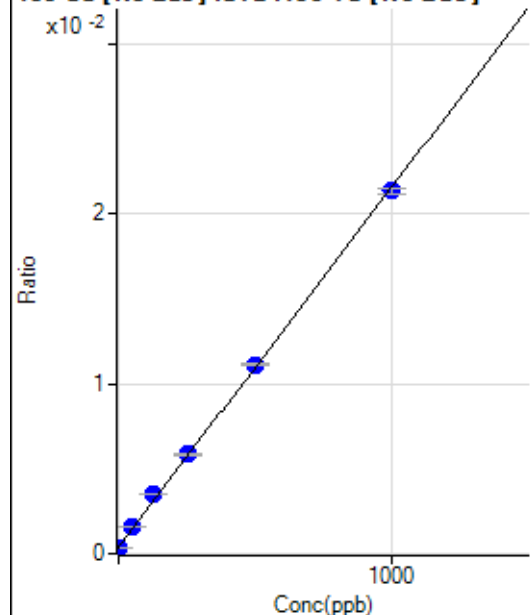
$$R = 1.0000$$

$$DL = 0.01455$$

$$BEC = 0.01145$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 3547.82   | 0.0004 | P   | 1.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | -0.601     | 3433.90   | 0.0004 | P   | 1.3 |
| 4 | <input type="checkbox"/> | 50.000   | 57.267     | 14652.54  | 0.0016 | P   | 2.0 |
| 5 | <input type="checkbox"/> | 125.000  | 145.791    | 31655.75  | 0.0035 | P   | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 259.026    | 51870.75  | 0.0059 | P   | 1.9 |
| 7 | <input type="checkbox"/> | 500.000  | 508.095    | 96499.34  | 0.0111 | P   | 1.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 990.735    | 187490.74 | 0.0213 | P   | 1.3 |
| 9 | <input type="checkbox"/> |          |            | 2867.06   | 0.0003 | P   | 1.6 |

$$y = 2.1141\text{E-}005 * x + 3.9016\text{E-}004$$

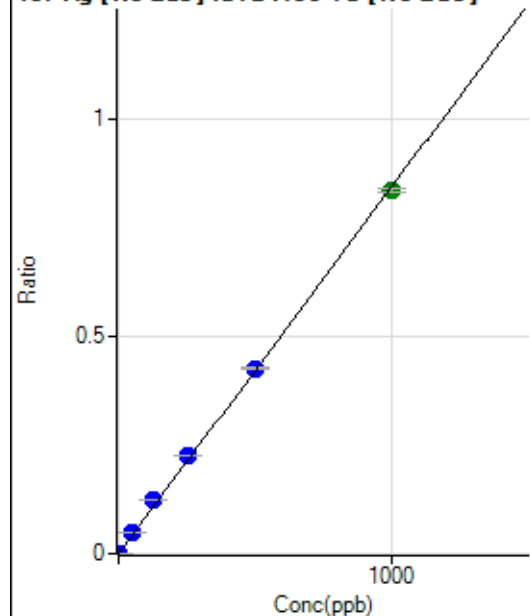
$$R = 0.9997$$

$$DL = 1.047$$

$$BEC = 18.45$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 127.79     | 0.0000 | P   | 4.6  |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.173      | 1458.47    | 0.0002 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 50.000   | 57.581     | 445440.35  | 0.0487 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 146.236    | 1126495.65 | 0.1236 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 266.758    | 1992924.13 | 0.2254 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 505.862    | 3705011.32 | 0.4274 | P   | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.847    | 7349726.81 | 0.8363 | A   | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 725.05     | 0.0001 | P   | 17.5 |

$$y = 8.4490\text{E-}004 * x + 1.4058\text{E-}005$$

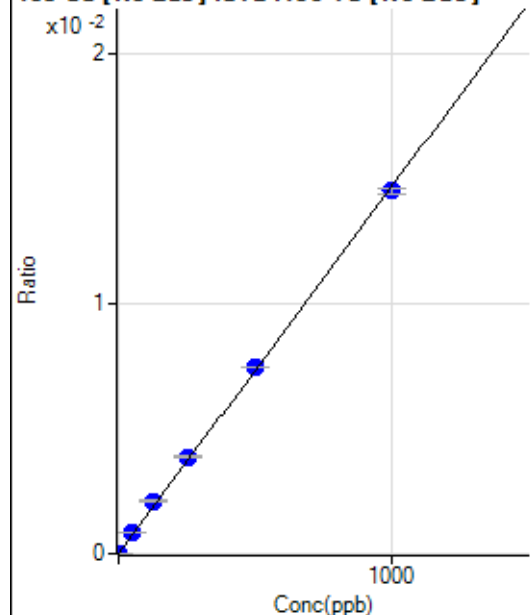
$$R = 0.9997$$

$$DL = 0.002312$$

$$BEC = 0.01664$$

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      | 9.72      | 0.0000 | P    | 98.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.188      | 168.06    | 0.0000 | P    | 18.1 |
| 4 | <input type="checkbox"/> | 50.000   | 57.021     | 7657.76   | 0.0008 | P    | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 143.368    | 19159.01  | 0.0021 | P    | 1.8  |
| 6 | <input type="checkbox"/> | 250.000  | 263.944    | 34204.05  | 0.0039 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 509.431    | 64712.24  | 0.0075 | P    | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.151    | 127368.47 | 0.0145 | P    | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 45.83     | 0.0000 | P    | 9.3  |

$$y = 1.4652\text{E-}005 * x + 1.0650\text{E-}006$$

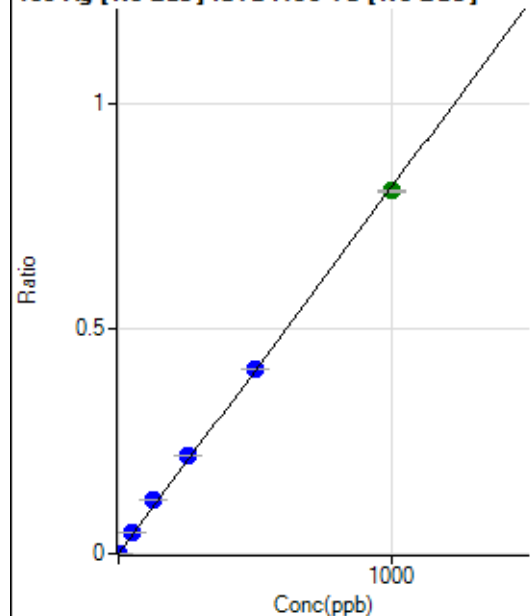
$$R = 0.9997$$

$$DL = 0.2145$$

$$BEC = 0.07269$$

Weight: &lt;None&gt;

Min Conc: 0

**109 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      | 75.00      | 0.0000 | P    | 10.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.162      | 1272.34    | 0.0001 | P    | 7.0  |
| 4 | <input type="checkbox"/> | 50.000   | 57.735     | 430202.49  | 0.0470 | P    | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 146.420    | 1086461.86 | 0.1192 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 250.000  | 267.531    | 1925392.84 | 0.2178 | P    | 0.5  |
| 7 | <input type="checkbox"/> | 500.000  | 505.209    | 3564561.45 | 0.4112 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.949    | 7081264.57 | 0.8057 | A    | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 619.49     | 0.0001 | P    | 13.7 |

$$y = 8.1392\text{E-}004 * x + 8.2442\text{E-}006$$

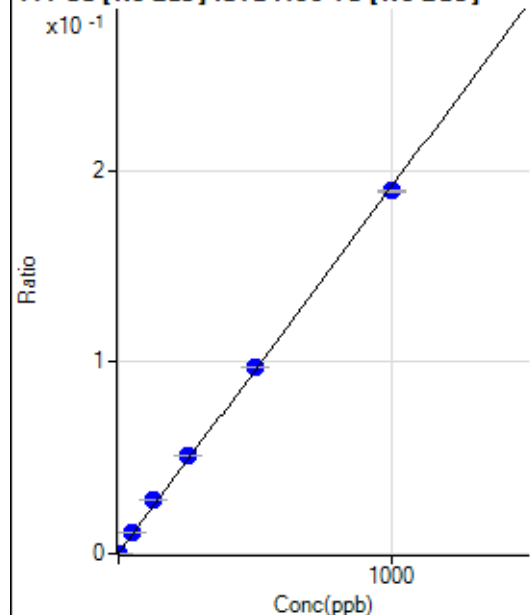
$$R = 0.9996$$

$$DL = 0.003125$$

$$BEC = 0.01013$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2480.84    | 0.0003 | P   | 1.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.937      | 4109.86    | 0.0005 | P   | 1.1 |
| 4 | <input type="checkbox"/> | 50.000   | 56.923     | 102043.59  | 0.0111 | P   | 1.3 |
| 5 | <input type="checkbox"/> | 125.000  | 145.553    | 255998.68  | 0.0281 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 266.246    | 452191.34  | 0.0511 | P   | 0.5 |
| 7 | <input type="checkbox"/> | 500.000  | 508.548    | 844614.44  | 0.0974 | P   | 0.2 |
| 8 | <input type="checkbox"/> | 1000.000 | 988.750    | 1662597.39 | 0.1892 | P   | 0.8 |
| 9 | <input type="checkbox"/> |          |            | 2220.70    | 0.0003 | P   | 2.6 |

$$y = 1.9106\text{E-}004 * x + 2.7283\text{E-}004$$

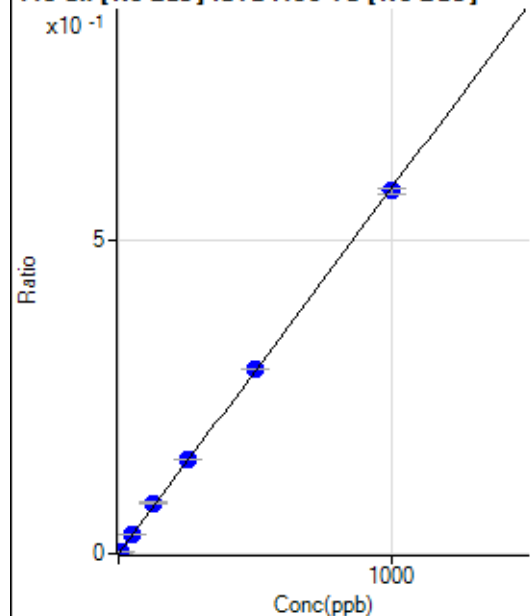
$$R = 0.9997$$

$$DL = 0.06301$$

$$BEC = 1.428$$

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      | 338.91     | 0.0000 | P   | 11.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.472      | 29325.82   | 0.0032 | P   | 1.2  |
| 4 | <input type="checkbox"/> | 50.000   | 54.673     | 291777.01  | 0.0319 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 138.922    | 737836.08  | 0.0809 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 250.000  | 259.498    | 1336528.34 | 0.1512 | P   | 0.3  |
| 7 | <input type="checkbox"/> | 500.000  | 505.683    | 2553111.63 | 0.2945 | P   | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 992.808    | 5081092.95 | 0.5782 | P   | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 1894.65    | 0.0002 | P   | 4.0  |

$$y = 5.8236\text{E-}004 * x + 3.7250\text{E-}005$$

$$R = 0.9999$$

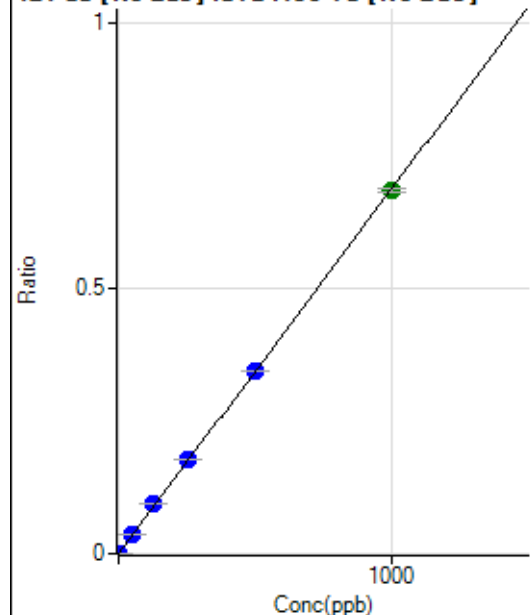
$$DL = 0.0222$$

$$BEC = 0.06396$$

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      | 52.78      | 0.0000 | P    | 37.4 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.965      | 12322.61   | 0.0014 | P    | 3.4  |
| 4 | <input type="checkbox"/> | 50.000   | 53.679     | 337267.21  | 0.0368 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 138.485    | 866446.90  | 0.0950 | P    | 1.1  |
| 6 | <input type="checkbox"/> | 250.000  | 257.227    | 1560948.24 | 0.1765 | P    | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 502.196    | 2987651.72 | 0.3447 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.226    | 6002557.73 | 0.6830 | A    | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 8586.28    | 0.0010 | P    | 5.7  |

$$y = 6.8630E-004 * x + 5.8170E-006$$

$$R = 0.9999$$

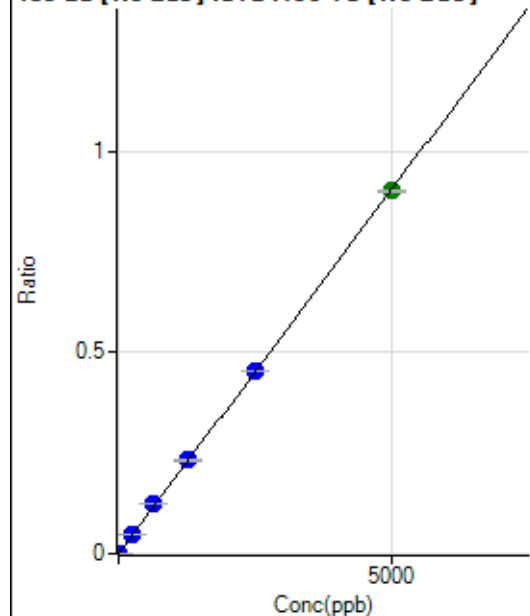
$$DL = 0.009512$$

$$BEC = 0.008476$$

Weight: &lt;None&gt;

Min Conc: 0

135 Ba [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      | 27.78      | 0.0000 | P    | 17.1 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.431     | 17214.24   | 0.0019 | P    | 5.4  |
| 4 | <input type="checkbox"/> | 250.000  | 269.620    | 447008.20  | 0.0488 | P    | 0.5  |
| 5 | <input type="checkbox"/> | 625.000  | 686.039    | 1132668.30 | 0.1243 | P    | 1.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1281.468   | 2052140.22 | 0.2321 | P    | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2501.555   | 3927318.10 | 0.4531 | P    | 0.4  |
| 8 | <input type="checkbox"/> | 5000.000 | 4982.744   | 7930867.71 | 0.9024 | A    | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 1141.77    | 0.0001 | P    | 15.9 |

$$y = 1.8111E-004 * x + 3.0543E-006$$

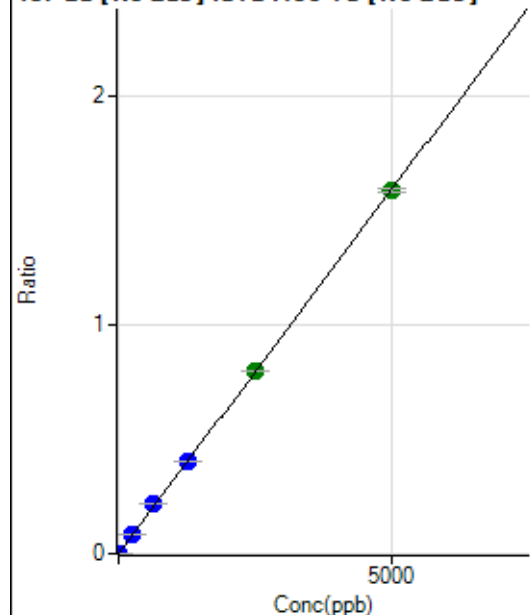
$$R = 0.9999$$

$$DL = 0.008649$$

$$BEC = 0.01686$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00       | 0.0000 | P        | 0.9  |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.265     | 29763.36    | 0.0033 | P        | 1.1  |
| 4 | <input type="checkbox"/> | 250.000  | 265.891    | 775064.53   | 0.0847 | P        | 0.2  |
| 5 | <input type="checkbox"/> | 625.000  | 682.655    | 1981668.73  | 0.2174 | P        | 1.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1269.112   | 3573360.97  | 0.4041 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2505.911   | 6917247.99  | 0.7980 | A        | 0.1  |
| 8 | <input type="checkbox"/> | 5000.000 | 4984.264   | 13948399.10 | 1.5872 | A        | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 1844.66     | 0.0002 | P        | 21.0 |

$$y = 3.1844\text{E-}004 * x + 2.7497\text{E-}006$$

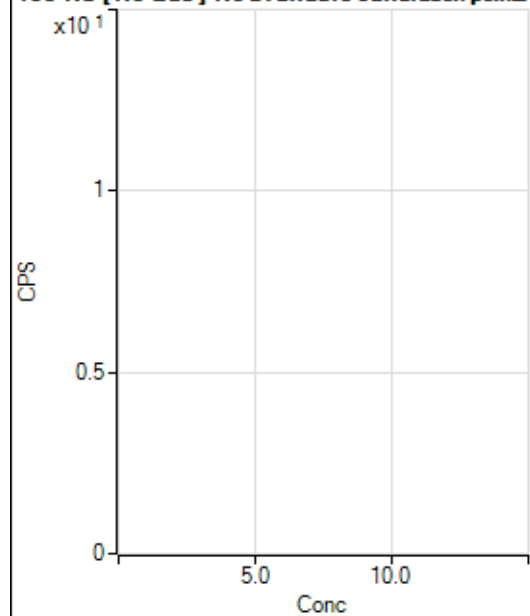
$$R = 0.9999$$

$$DL = 0.0002272$$

$$BEC = 0.008635$$

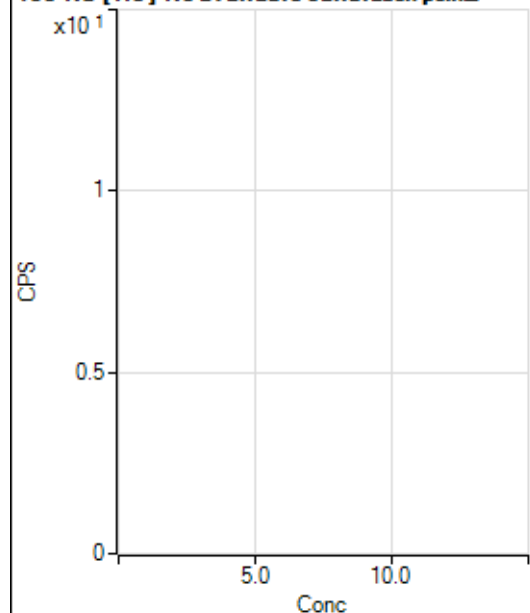
Weight: &lt;None&gt;

Min Conc: 0

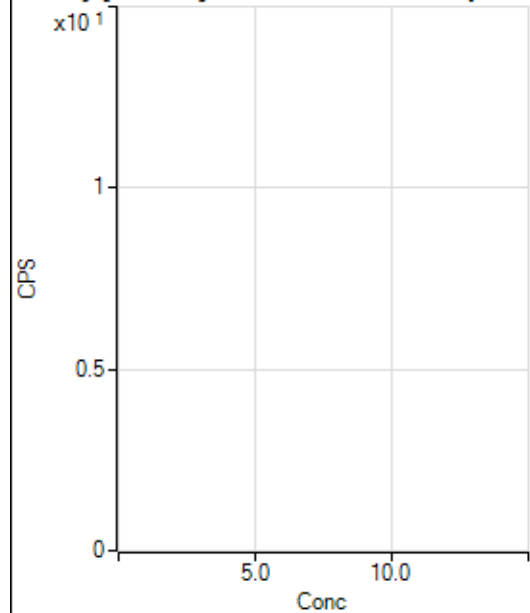
**150 Nd [No Gas] No available calibration points**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P        |      |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 8.89   |       | P        | 114. |
| 4 | <input type="checkbox"/> |       |            | 55.56  |       | P        | 25.0 |
| 5 | <input type="checkbox"/> |       |            | 93.34  |       | P        | 18.9 |
| 6 | <input type="checkbox"/> |       |            | 208.90 |       | P        | 15.1 |
| 7 | <input type="checkbox"/> |       |            | 433.36 |       | P        | 16.3 |
| 8 | <input type="checkbox"/> |       |            | 755.60 |       | P        | 7.7  |
| 9 | <input type="checkbox"/> |       |            | 120.01 |       | P        | 29.4 |

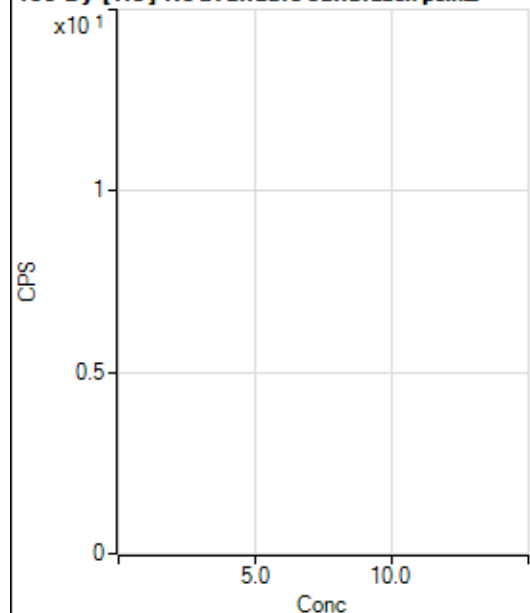


**150 Nd [He] No available calibration points**

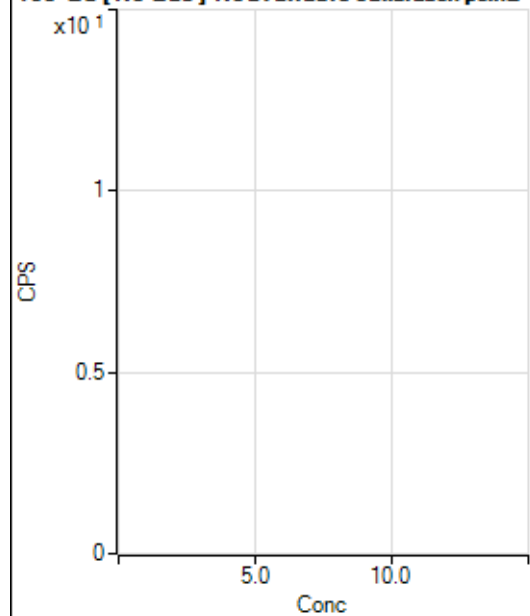
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 34.7 |
| 5 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 36.5 |
| 6 | <input type="checkbox"/> |       |            | 32.22 |       | P        | 57.0 |
| 7 | <input type="checkbox"/> |       |            | 67.78 |       | P        | 10.2 |
| 8 | <input type="checkbox"/> |       |            | 83.33 |       | P        | 17.4 |
| 9 | <input type="checkbox"/> |       |            | 55.56 |       | P        | 17.3 |

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

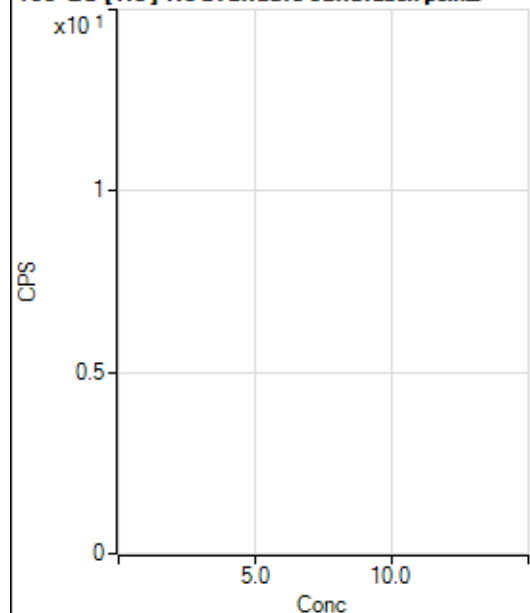
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 5.55   |       | P        | 86.6 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 11.11  |       | P        | 114. |
| 4 | <input type="checkbox"/> |       |            | 22.22  |       | P        | 78.1 |
| 5 | <input type="checkbox"/> |       |            | 25.00  |       | P        | 33.3 |
| 6 | <input type="checkbox"/> |       |            | 83.34  |       | P        | 34.6 |
| 7 | <input type="checkbox"/> |       |            | 102.78 |       | P        | 38.3 |
| 8 | <input type="checkbox"/> |       |            | 138.90 |       | P        | 6.9  |
| 9 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 21.5 |

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

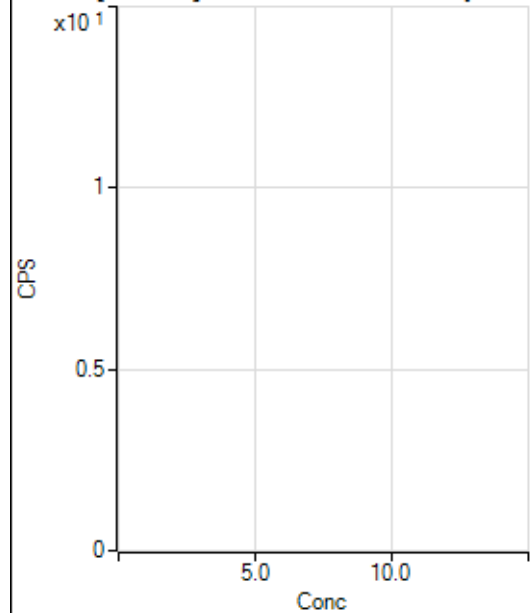
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 2.22   |       | P        | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 14.44  |       | P        | 58.1 |
| 5 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 26.5 |
| 6 | <input type="checkbox"/> |       |            | 56.67  |       | P        | 38.6 |
| 7 | <input type="checkbox"/> |       |            | 107.78 |       | P        | 15.6 |
| 8 | <input type="checkbox"/> |       |            | 197.78 |       | P        | 12.8 |
| 9 | <input type="checkbox"/> |       |            | 42.22  |       | P        | 43.5 |

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

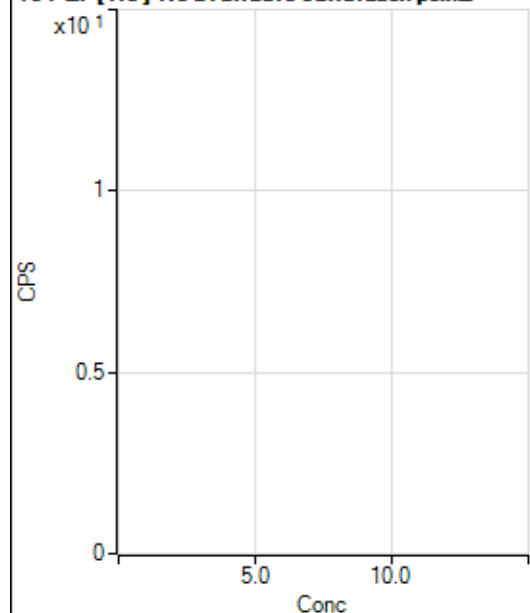
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 44.1 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 50.00 |       | P        | 44.1 |
| 4 | <input type="checkbox"/> |       |            | 58.33 |       | P        | 37.8 |
| 5 | <input type="checkbox"/> |       |            | 44.45 |       | P        | 39.0 |
| 6 | <input type="checkbox"/> |       |            | 66.67 |       | P        | 62.5 |
| 7 | <input type="checkbox"/> |       |            | 83.34 |       | P        | 52.9 |
| 8 | <input type="checkbox"/> |       |            | 83.34 |       | P        | 45.8 |
| 9 | <input type="checkbox"/> |       |            | 88.89 |       | P        | 14.3 |

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

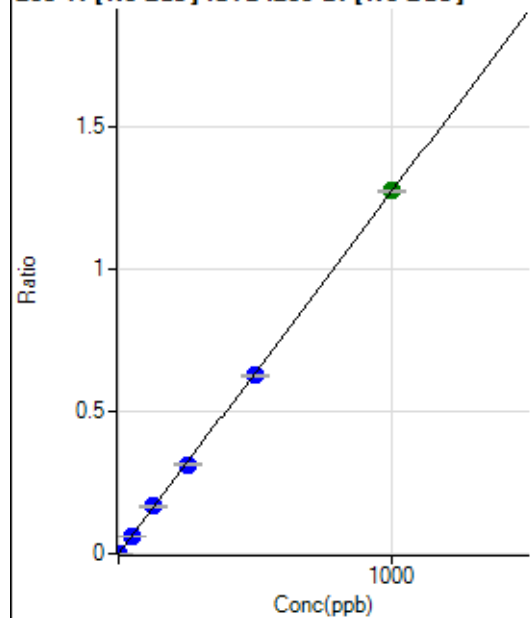
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 177.78 |       | P        | 8.5  |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 153.34 |       | P        | 11.5 |
| 4 | <input type="checkbox"/> |       |            | 147.78 |       | P        | 15.0 |
| 5 | <input type="checkbox"/> |       |            | 158.89 |       | P        | 12.8 |
| 6 | <input type="checkbox"/> |       |            | 157.78 |       | P        | 5.3  |
| 7 | <input type="checkbox"/> |       |            | 150.00 |       | P        | 13.5 |
| 8 | <input type="checkbox"/> |       |            | 177.78 |       | P        | 8.5  |
| 9 | <input type="checkbox"/> |       |            | 182.23 |       | P        | 12.2 |

**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        | 75.0 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 25.00 |       | P        | 33.3 |
| 4 | <input type="checkbox"/> |       |            | 19.44 |       | P        | 65.5 |
| 5 | <input type="checkbox"/> |       |            | 41.67 |       | P        | 40.0 |
| 6 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 48.0 |
| 7 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 26.7 |
| 8 | <input type="checkbox"/> |       |            | 36.11 |       | P        | 48.0 |
| 9 | <input type="checkbox"/> |       |            | 44.44 |       | P        | 43.3 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 25.0 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 26.66 |       | P        | 57.3 |
| 4 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 53.9 |
| 5 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 20.4 |
| 6 | <input type="checkbox"/> |       |            | 27.78 |       | P        | 48.5 |
| 7 | <input type="checkbox"/> |       |            | 25.56 |       | P        | 19.9 |
| 8 | <input type="checkbox"/> |       |            | 22.22 |       | P        | 17.3 |
| 9 | <input type="checkbox"/> |       |            | 20.00 |       | P        | 28.9 |

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 66.67      | 0.0000 | P        | 42.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.933      | 7491.29    | 0.0012 | P        | 1.0  |
| 4 | <input type="checkbox"/> | 50.000   | 50.178     | 399571.52  | 0.0637 | P        | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 130.975    | 1035335.91 | 0.1662 | P        | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 247.044    | 1926877.04 | 0.3135 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 493.625    | 3749820.31 | 0.6264 | P        | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.171   | 7628650.43 | 1.2729 | A        | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 1666.85    | 0.0003 | P        | 12.9 |

$$y = 0.0013 * x + 1.0593E-005$$

$$R = 0.9999$$

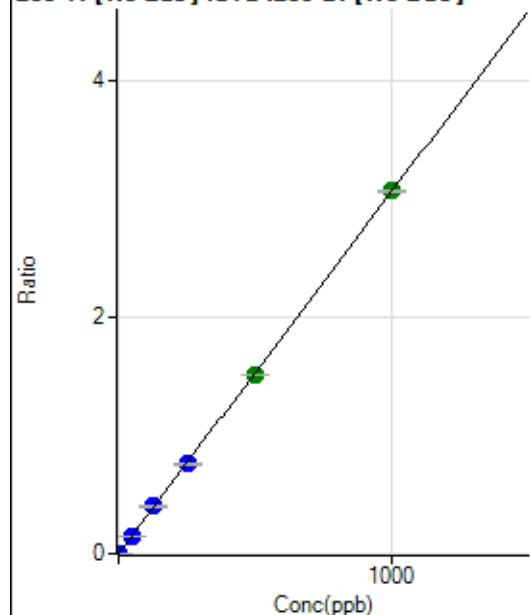
$$DL = 0.01067$$

$$BEC = 0.008349$$

Weight: <None>

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 133.34      | 0.0000 | P        | 18.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.934      | 18024.00    | 0.0029 | P        | 1.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.229     | 963237.17   | 0.1535 | P        | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 130.323    | 2480961.69  | 0.3983 | P        | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 248.291    | 4663844.11  | 0.7587 | P        | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 493.592    | 9030175.90  | 1.5083 | A        | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.954   | 18368888.43 | 3.0648 | A        | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 3892.42     | 0.0007 | P        | 12.3 |

$$y = 0.0031 * x + 2.1221E-005$$

$$R = 0.9999$$

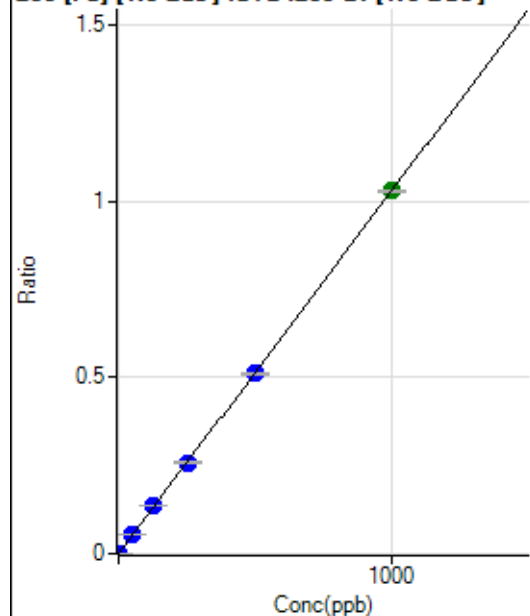
$$DL = 0.003854$$

$$BEC = 0.006944$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 201.86     | 0.0000 | P        | 12.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.958      | 6377.61    | 0.0010 | P        | 1.6  |
| 4 | <input type="checkbox"/> | 50.000   | 50.957     | 328875.67  | 0.0524 | P        | 1.1  |
| 5 | <input type="checkbox"/> | 125.000  | 131.768    | 844004.33  | 0.1355 | P        | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 250.339    | 1581996.49 | 0.2574 | P        | 1.4  |
| 7 | <input type="checkbox"/> | 500.000  | 497.205    | 3060049.81 | 0.5111 | P        | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.419   | 6163617.44 | 1.0284 | A        | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 4741.73    | 0.0009 | P        | 1.7  |

$$y = 0.0010 * x + 3.2154E-005$$

$$R = 1.0000$$

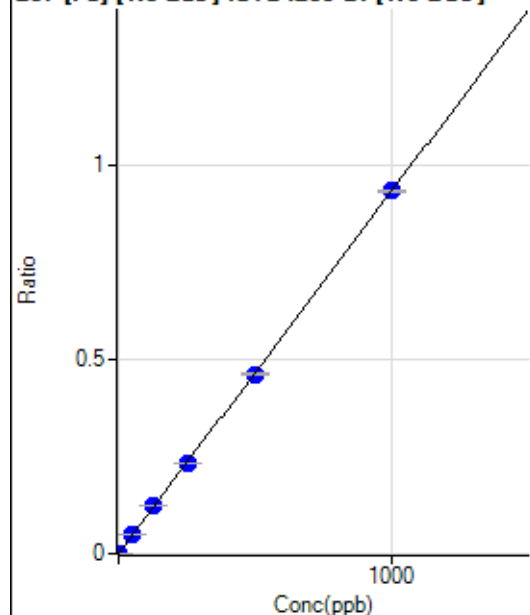
$$DL = 0.01164$$

$$BEC = 0.03128$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 177.78     | 0.0000 | P        | 24.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.953      | 5756.98    | 0.0009 | P        | 0.7  |
| 4 | <input type="checkbox"/> | 50.000   | 50.637     | 296973.21  | 0.0473 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 131.082    | 762944.51  | 0.1225 | P        | 0.7  |
| 6 | <input type="checkbox"/> | 250.000  | 249.905    | 1435055.62 | 0.2335 | P        | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 496.077    | 2774388.28 | 0.4634 | P        | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.193   | 5604931.20 | 0.9352 | P        | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 3683.96    | 0.0007 | P        | 1.6  |

$$y = 9.3410\text{E-}004 * x + 2.8312\text{E-}005$$

$$R = 1.0000$$

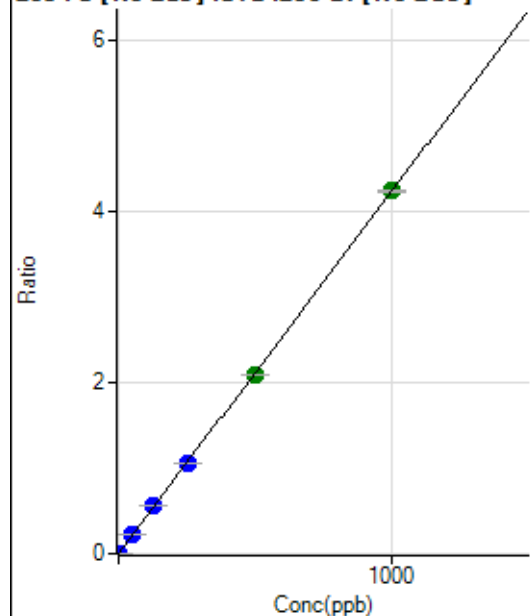
$$DL = 0.02239$$

$$BEC = 0.03031$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD |
|---|--------------------------|----------|------------|-------------|--------|----------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 811.15      | 0.0001 | P        | 6.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 0.944      | 25814.23    | 0.0041 | P        | 0.6 |
| 4 | <input type="checkbox"/> | 50.000   | 50.525     | 1339942.79  | 0.2136 | P        | 0.4 |
| 5 | <input type="checkbox"/> | 125.000  | 130.856    | 3444147.58  | 0.5529 | P        | 0.6 |
| 6 | <input type="checkbox"/> | 250.000  | 249.362    | 6475289.68  | 1.0534 | P        | 0.9 |
| 7 | <input type="checkbox"/> | 500.000  | 494.985    | 12518229.10 | 2.0910 | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.909   | 25364150.91 | 4.2322 | A        | 0.9 |
| 9 | <input type="checkbox"/> |          |            | 18400.06    | 0.0035 | P        | 2.8 |

$$y = 0.0042 * x + 1.2914\text{E-}004$$

$$R = 1.0000$$

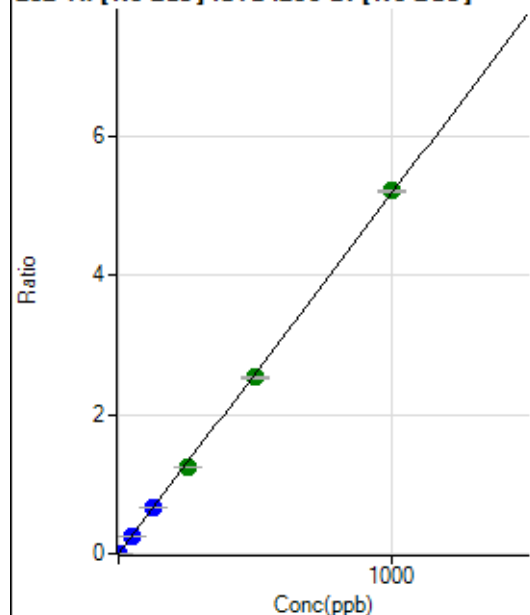
$$DL = 0.005498$$

$$BEC = 0.03057$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 103.71      | 0.0000 | P        | 19.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.850      | 27666.72    | 0.0044 | P        | 0.3  |
| 4 | <input type="checkbox"/> | 50.000   | 47.399     | 1537873.02  | 0.2451 | P        | 0.6  |
| 5 | <input type="checkbox"/> | 125.000  | 126.165    | 4063981.37  | 0.6524 | P        | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 241.218    | 7666603.07  | 1.2473 | A        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 489.712    | 15159249.53 | 2.5321 | A        | 0.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 1007.324   | 31216644.91 | 5.2085 | A        | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 4073.00     | 0.0008 | P        | 21.8 |

$$y = 0.0052 * x + 1.6523E-005$$

$$R = 0.9999$$

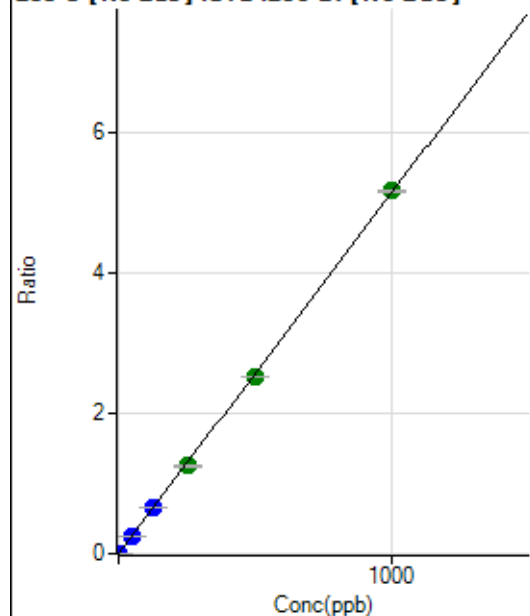
$$DL = 0.001874$$

$$BEC = 0.003196$$

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      | 55.56       | 0.0000 | P        | 32.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.875      | 28214.79    | 0.0045 | P        | 1.8  |
| 4 | <input type="checkbox"/> | 50.000   | 47.983     | 1545744.92  | 0.2463 | P        | 0.4  |
| 5 | <input type="checkbox"/> | 125.000  | 126.835    | 4056490.85  | 0.6512 | P        | 0.5  |
| 6 | <input type="checkbox"/> | 250.000  | 243.077    | 7670810.59  | 1.2479 | A        | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 490.625    | 15079628.12 | 2.5188 | A        | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1006.290   | 30962460.76 | 5.1662 | A        | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 2305.87     | 0.0004 | P        | 25.7 |

$$y = 0.0051 * x + 8.8614E-006$$

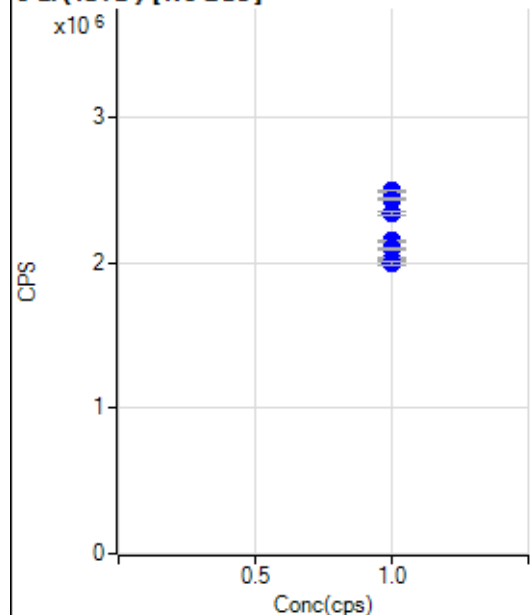
$$R = 0.9999$$

$$DL = 0.001671$$

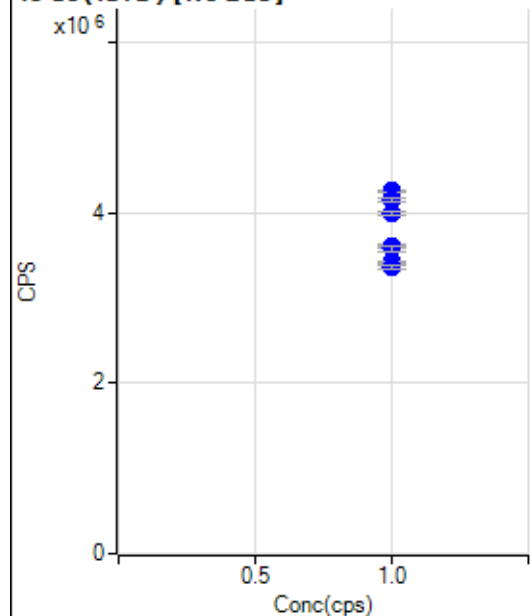
$$BEC = 0.001726$$

Weight: &lt;None&gt;

Min Conc: 0

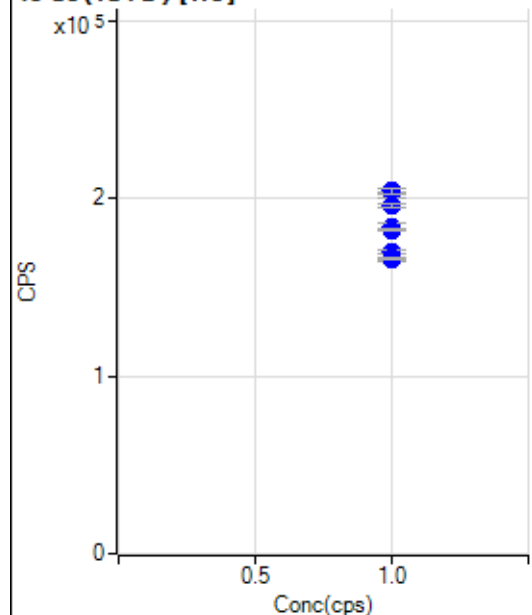
**6 Li (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2495675.93 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2495222.43 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2436497.64 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2344344.81 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2151452.10 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2030444.83 |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1999444.98 |       | P        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2097279.34 |       | P        | 1.1 |

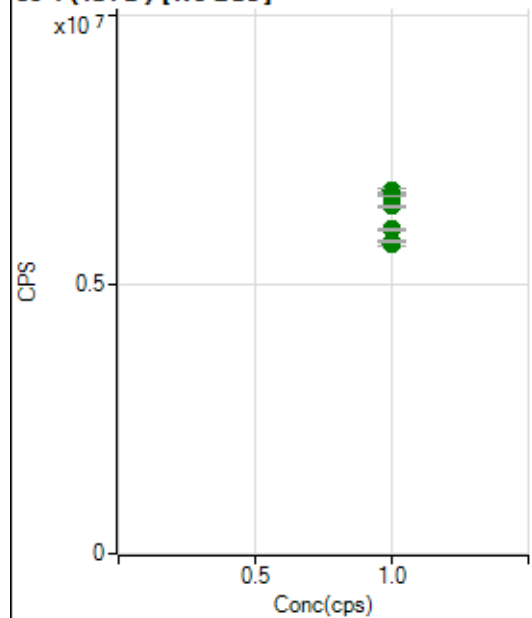
**45 Sc (ISTD) [No Gas]**

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4252550.70 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 4234695.84 |       | P        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4142843.84 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 3991372.48 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 3605817.79 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3420523.43 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3363595.00 |       | P        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3573917.66 |       | P        | 1.8 |

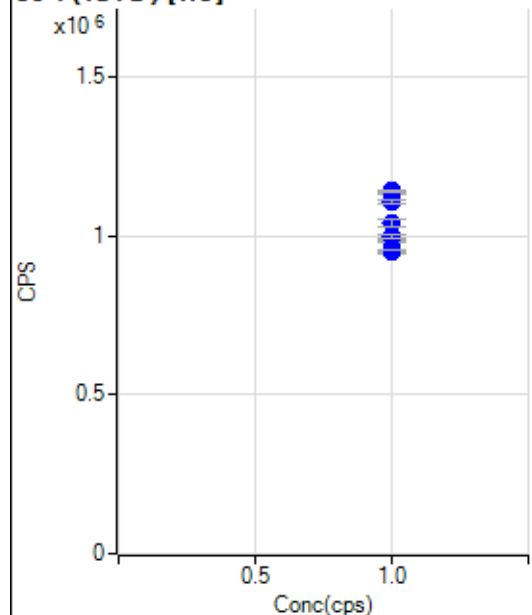


**45 Sc (ISTD) [He]**

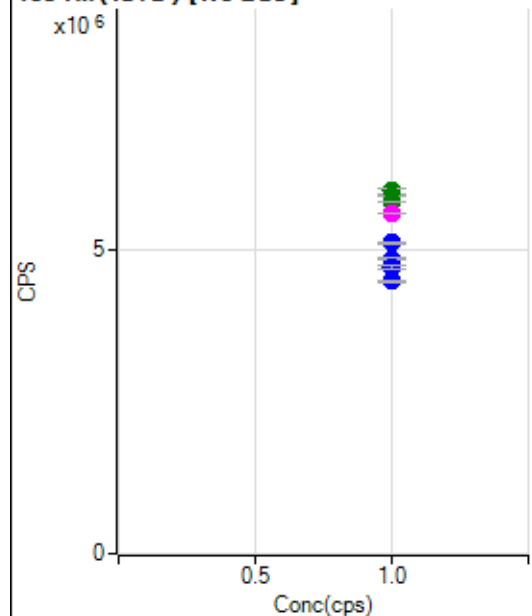
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 201882.61 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 204020.12 |       | P        | 1.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 195779.71 |       | P        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 184115.10 |       | P        | 2.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 169746.33 |       | P        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 165009.48 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 166120.43 |       | P        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 182176.98 |       | P        | 1.0 |

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

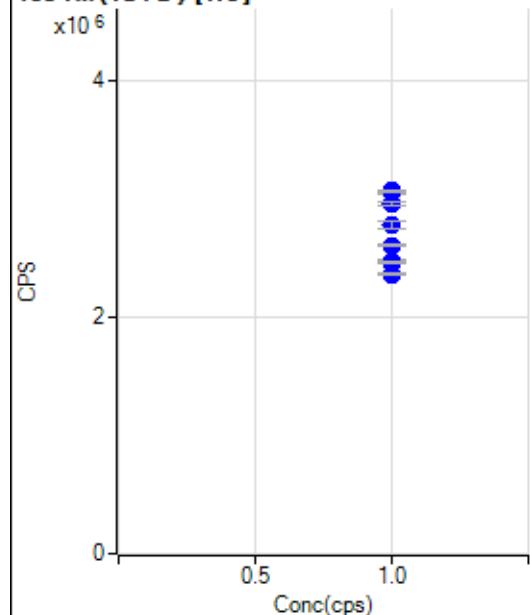
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6735084.07 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6679721.36 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6637668.58 |       | A        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6446777.34 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6029025.47 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5775703.94 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5746274.71 |       | A        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5784252.97 |       | A        | 0.7 |

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

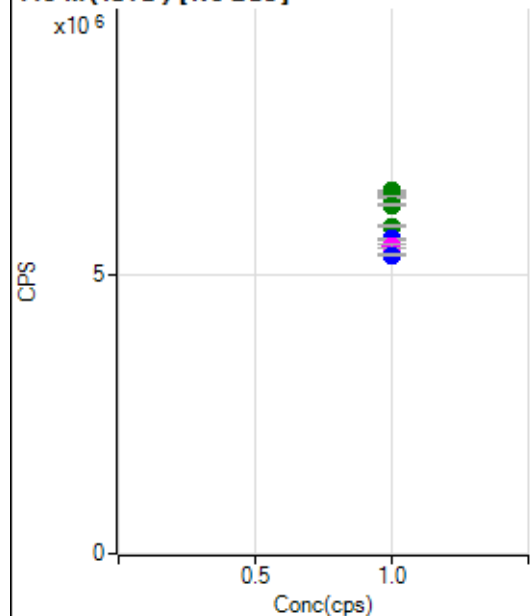
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1137243.97 |       | P        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1142800.66 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1109511.30 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1043305.53 |       | P        | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 984613.75  |       | P        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 949062.20  |       | P        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 956393.09  |       | P        | 0.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 999570.69  |       | P        | 1.0 |

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

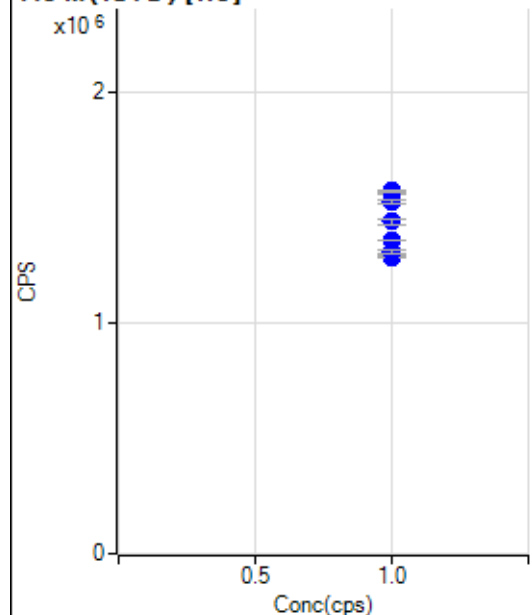
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5957707.03 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5886187.89 |       | A        | 0.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5784367.62 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5591922.17 |       | M        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5114648.33 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4846858.10 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 4696937.21 |       | P        | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4469966.51 |       | P        | 1.1 |

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

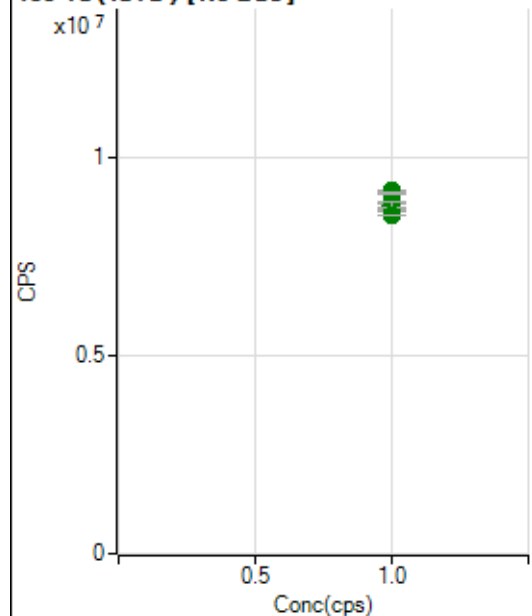
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 3058155.96 |       | P        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 3066382.18 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2961930.30 |       | P        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2779740.03 |       | P        | 2.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2607704.75 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2476097.32 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2459721.21 |       | P        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2362074.93 |       | P        | 1.0 |

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

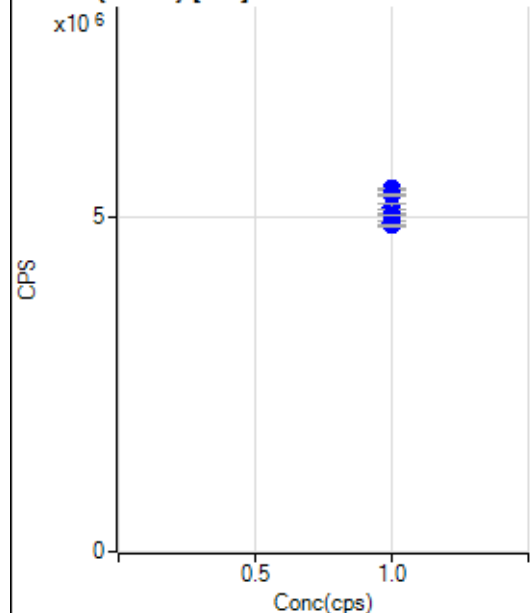
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6510141.65 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6467646.79 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6412945.94 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6249118.83 |       | A        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5874871.35 |       | A        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5643265.23 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5519776.51 |       | M        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5363945.57 |       | P        | 0.5 |

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

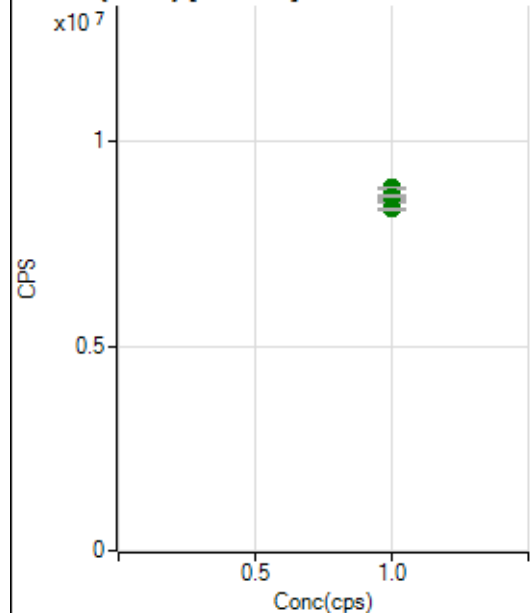
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1565248.84 |       | P        | 1.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1570274.99 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1521027.91 |       | P        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1437146.82 |       | P        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1356178.75 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1298144.59 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1284963.86 |       | P        | 0.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1304103.48 |       | P        | 1.1 |

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

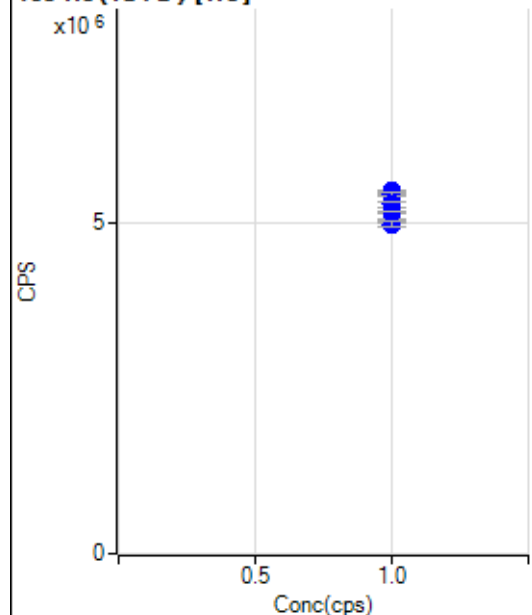
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9092433.27 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 9097147.23 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9153710.14 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9116275.63 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8841943.62 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8668408.83 |       | A        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8788873.48 |       | A        | 1.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8540556.82 |       | A        | 0.3 |

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

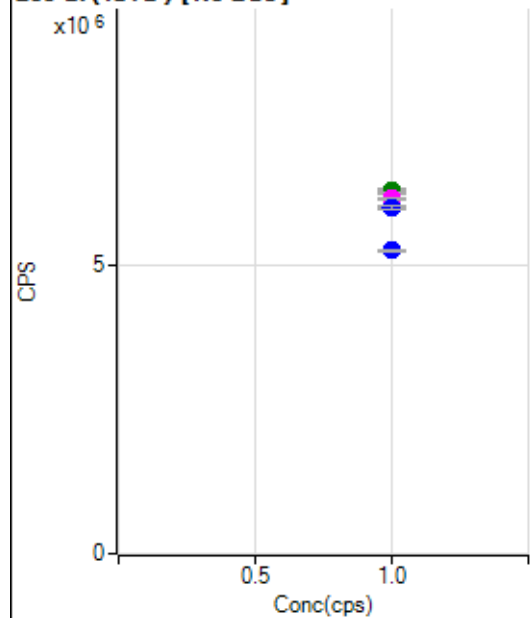
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5394552.52 |       | P        | 1.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5427480.51 |       | P        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5342700.58 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5157166.55 |       | P        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5037829.54 |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 4913642.11 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5038282.46 |       | P        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4881085.48 |       | P        | 0.9 |

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

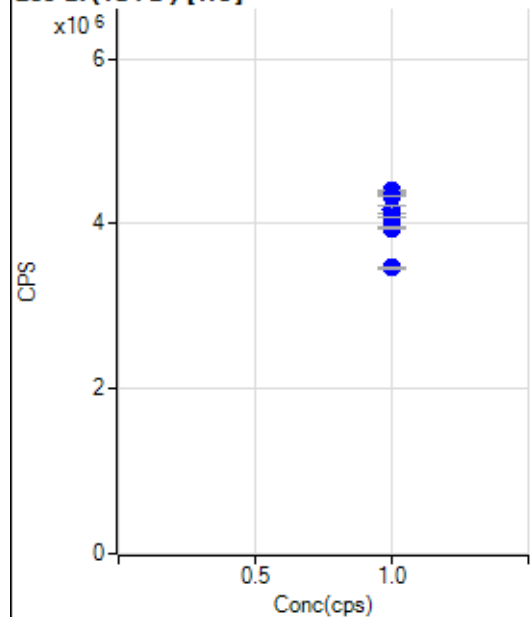
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8867494.73 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 8864955.75 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8870727.97 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8843390.30 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8573765.38 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8533258.27 |       | A        | 0.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8669989.60 |       | A        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8355925.62 |       | A        | 0.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 5446660.34 |       | P        | 1.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5477170.13 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5424772.59 |       | P        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5270446.35 |       | P        | 2.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5141763.75 |       | P        | 0.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5033569.13 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5175127.70 |       | P        | 0.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 4976515.62 |       | P        | 1.4 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6282530.60 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6270234.98 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6274651.09 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6229672.48 |       | A        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 6146807.69 |       | M        | 0.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5986920.05 |       | P        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5993578.25 |       | P        | 1.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5250857.18 |       | P        | 0.9 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 4368846.67 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 4399229.76 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 4338486.19 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 4180446.16 |       | P        | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 4075225.71 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 3932381.36 |       | P        | 0.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 3953879.11 |       | P        | 0.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 3467745.65 |       | P        | 0.7 |

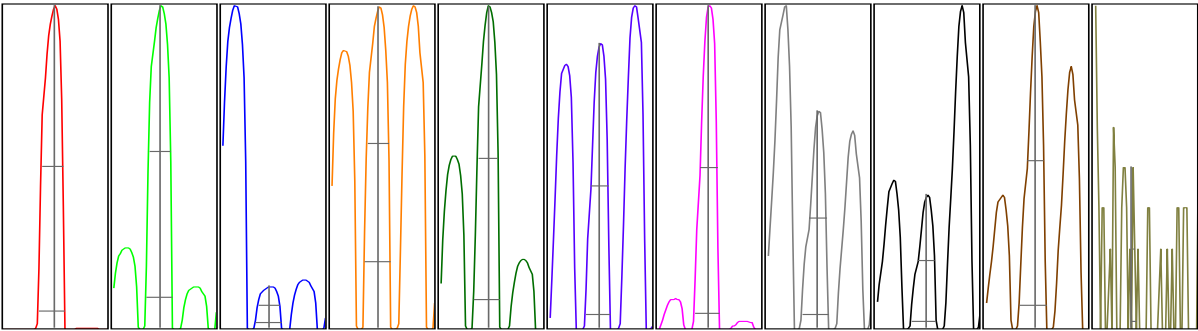
US EPA Tune Check Sample Report

Batch Folder D:\ICP-MS Data\P7052019 MS.b  
Report Comment  
Instrument Name G8403A JP14410463

| [No Gas] |        |          |            |        |
|----------|--------|----------|------------|--------|
| Mass     | Count  | RSD%     | RSD%       | RSD%   |
|          | (Mean) | (Actual) | (Required) | (Flag) |
| 9        | 9399   | 1.10     | 5.00       |        |
| 24       | 171319 | 1.45     | 5.00       |        |
| 25       | 23574  | 1.20     | 5.00       |        |
| 26       | 26716  | 1.23     | 5.00       |        |
| 59       | 64804  | 1.34     | 5.00       |        |
| 113      | 8905   | 0.86     | 5.00       |        |
| 115      | 105893 | 0.92     | 5.00       |        |
| 206      | 29439  | 0.85     | 5.00       |        |
| 207      | 26940  | 1.22     | 5.00       |        |
| 208      | 64268  | 1.18     | 5.00       |        |
| 220      | 0      | 95.83    |            |        |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 9543                 | 9267                 | 9410                 | 9433                 | 9340                 |
| 24   | 175409               | 169284               | 169894               | 171862               | 170145               |
| 25   | 23972                | 23238                | 23491                | 23733                | 23436                |
| 26   | 27220                | 26460                | 26651                | 26838                | 26410                |
| 59   | 66191                | 64262                | 64295                | 65121                | 64152                |
| 113  | 9011                 | 8814                 | 8901                 | 8943                 | 8854                 |
| 115  | 107340               | 105047               | 105386               | 106454               | 105240               |
| 206  | 29679                | 29018                | 29518                | 29535                | 29446                |
| 207  | 26944                | 26384                | 27002                | 27157                | 27213                |
| 208  | 64388                | 63020                | 64247                | 65014                | 64670                |
| 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    | 15962          | 9.00             | 8.9 - 9.1          |                | 0.780                | 0.900                  |                        |
| 24   | 281434         | 23.90            | 23.9 - 24.1        |                | 0.767                | 0.900                  |                        |
| 25   | 37431          | 24.90            | 24.9 - 25.1        |                | 0.753                | 0.900                  |                        |
| 26   | 43281          | 25.90            | 25.9 - 26.1        |                | 0.746                | 0.900                  |                        |
| 59   | 112434         | 58.95            | 58.9 - 59.1        |                | 0.753                | 0.900                  |                        |
| 113  | 17627          | 113.00           | 112.9 - 113.1      |                | 0.726                | 0.900                  |                        |
| 115  | 211333         | 115.00           | 114.9 - 115.1      |                | 0.730                | 0.900                  |                        |
| 206  | 58666          | 206.00           | 205.9 - 206.1      |                | 0.778                | 0.900                  |                        |
| 207  | 53192          | 207.00           | 206.9 - 207.1      |                | 0.743                | 0.900                  |                        |
| 208  | 127701         | 208.00           | 207.9 - 208.1      |                | 0.789                | 0.900                  |                        |
| 220  | 0              | 219.65           | -                  |                | 0.095                |                        |                        |

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    | 8.5   | V    | Deflect       | 14.0  | V    |
| Extract 2     | -100.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -50    | 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       | 140   | V    |                       |       |       |

[He]

| Mass | Count  | RSD%     | RSD%       |
|------|--------|----------|------------|
|      | (Mean) | (Actual) | (Required) |
| 59   | 16678  | 0.47     |            |
| 89   | 70760  | 0.54     |            |
| 205  | 30235  | 0.27     |            |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 16687                | 16804                | 16677                | 16614                | 16607                |
| 89   | 71168                | 70973                | 70904                | 70543                | 70211                |
| 205  | 30199                | 30306                | 30331                | 30139                | 30203                |

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    | 8.7   | V    | Deflect       | 1.8   | V    |
| Extract 2     | -100.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -55    | 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 : LB102879 Operator : Jaswal  
 Lab Sample ID : S0 Instrumnet Name : P7  
 Client Sample ID : S0 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 10:52:37 DataFile Name : 003CALB.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.07    | -0.04   | -0.03   | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Arsenic    | 75-1  | 0.00    | -0.05   | 0.04    | 0.00       | N/A     | ppb   |
| Barium     | 135-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | 0.08    | -0.39   | 0.31    | 0.00       | N/A     | ppb   |
| Boron      | 11-1  | -0.15   | 0.14    | 0.01    | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | -0.01   | -0.01   | 0.02    | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | -0.24   | -0.16   | 0.40    | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | -0.04   | -0.04   | 0.08    | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | -0.46   | -1.20   | 1.67    | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | -0.08   | 0.71    | -0.64   | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | -0.02   | 0.00    | 0.02    | 0.00       | N/A     | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Copper     | 63-2  | 0.01    | -0.01   | -0.01   | 0.00       | N/A     | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 100        |         | %     |
| Holmium    | 165-2 |         |         |         | 100        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 100        |         | %     |
| Iron       | 56-2  | 0.01    | 0.03    | -0.04   | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | -0.82   | 0.06    | 0.75    | 0.00       | N/A     | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 207-1 | 0.00    | -0.01   | 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  | -0.01   | 0.15    | -0.14   | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 10:52:37 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Molybdenum | 94-1  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Molybdenum | 96-1  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 97-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 98-1  | 0.00    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | -28.92  | 0.85    | -51.32  | -26.46     |         | ppb   |
| Potassium  | 39-2  | 0.59    | -4.04   | 3.44    | 0.00       | N/A     | ppb   |
| Rhodium    | 103-1 |         |         |         | 100        |         | %     |
| Rhodium    | 103-2 |         |         |         | 100        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 100        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.21    | 0.22    | -0.43   | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | 0.28    | -0.09   | -0.19   | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | 0.09    | -0.09   | 0.00    | 0.00       | N/A     | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sodium     | 23-2  | -0.62   | 0.21    | 0.42    | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | 0.03    | -0.01   | -0.02   | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | -33.51  | -97.83  | -23.59  | -51.64     |         | ppb   |
| Terbium    | 159-1 |         |         |         | 100        |         | %     |
| Terbium    | 159-2 |         |         |         | 100        |         | %     |
| Thallium   | 203-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Tin        | 118-1 | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | -0.01   | 0.01    | 0.00    | 0.00       | N/A     | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Yttrium    | 89-1  |         |         |         | 100        |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 10:52:37 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.02    | -0.02   | 0.00    | 0.00       | N/A     | ppb   |
| Zirconium | 90-1 | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Zirconium | 91-1 | 0.02    | -0.02   | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:00:34 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 19.76   | 21.38   | 16.94   | 19.36      | 11.61   | ppb   |
| Antimony   | 121-1 | 1.89    | 2.00    | 2.01    | 1.97       | 3.43    | ppb   |
| Arsenic    | 75-1  | 0.97    | 0.91    | 0.77    | 0.89       | 11.41   | ppb   |
| Barium     | 135-1 | 10.71   | 9.78    | 10.80   | 10.43      | 5.39    | ppb   |
| Barium     | 137-1 | 10.38   | 10.16   | 10.26   | 10.27      | 1.08    | ppb   |
| Beryllium  | 9-1   | 0.99    | 0.97    | 1.00    | 0.99       | 1.45    | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 101        |         | %     |
| Boron      | 10-1  | 23.61   | 23.40   | 24.41   | 23.81      | 2.22    | ppb   |
| Boron      | 11-1  | 23.41   | 23.55   | 25.35   | 24.10      | 4.50    | ppb   |
| Cadmium    | 111-1 | 0.94    | 0.91    | 0.96    | 0.94       | 2.79    | ppb   |
| Cadmium    | 106-1 | -0.40   | -0.53   | -0.86   | -0.60      |         | ppb   |
| Cadmium    | 108-1 | 1.36    | 1.27    | 0.93    | 1.19       | 19.16   | ppb   |
| Calcium    | 43-1  | 464.60  | 471.76  | 473.97  | 470.11     | 1.04    | ppb   |
| Calcium    | 44-1  | 469.01  | 468.02  | 469.18  | 468.74     | 0.13    | ppb   |
| Chromium   | 52-2  | 1.98    | 2.00    | 1.99    | 1.99       | 0.35    | ppb   |
| Cobalt     | 59-2  | 1.04    | 1.02    | 1.02    | 1.03       | 1.46    | ppb   |
| Copper     | 63-2  | 2.01    | 2.00    | 2.02    | 2.01       | 0.34    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 100        |         | %     |
| Holmium    | 165-2 |         |         |         | 101        |         | %     |
| Indium     | 115-1 |         |         |         | 99         |         | %     |
| Indium     | 115-2 |         |         |         | 100        |         | %     |
| Iron       | 56-2  | 52.96   | 54.01   | 52.73   | 53.23      | 1.28    | ppb   |
| Iron       | 57-2  | 52.08   | 55.17   | 55.14   | 54.13      | 3.28    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.95    | 0.98    | 0.95    | 0.96       | 1.62    | ppb   |
| Lead       | 207-1 | 0.96    | 0.95    | 0.95    | 0.95       | 0.70    | ppb   |
| Lead       | 208-1 | 0.94    | 0.95    | 0.95    | 0.94       | 0.63    | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | 521.49  | 522.03  | 517.60  | 520.38     | 0.46    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:00:34 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 1.03    | 0.97    | 1.00    | 1.00       | 2.99    | ppb   |
| Molybdenum | 94-1  | 5.15    | 4.91    | 4.99    | 5.02       | 2.41    | ppb   |
| Molybdenum | 95-1  | 5.27    | 5.42    | 5.16    | 5.28       | 2.39    | ppb   |
| Molybdenum | 96-1  | 5.13    | 5.23    | 5.11    | 5.16       | 1.20    | ppb   |
| Molybdenum | 97-1  | 5.46    | 5.50    | 5.11    | 5.36       | 3.97    | ppb   |
| Molybdenum | 98-1  | 5.00    | 5.19    | 4.97    | 5.05       | 2.32    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.07    | 1.05    | 1.00    | 1.04       | 3.65    | ppb   |
| Phosphorus | 31-2  | 11.20   | 62.80   | 5.39    | 26.46      | 119.41  | ppb   |
| Potassium  | 39-2  | 477.82  | 485.80  | 462.42  | 475.34     | 2.50    | ppb   |
| Rhodium    | 103-1 |         |         |         | 99         |         | %     |
| Rhodium    | 103-2 |         |         |         | 100        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 101        |         | %     |
| Selenium   | 77-2  | 5.11    | 3.70    | 8.77    | 5.86       | 44.60   | ppb   |
| Selenium   | 78-2  | 4.62    | 7.01    | 5.03    | 5.55       | 23.01   | ppb   |
| Selenium   | 82-1  | 5.49    | 5.79    | 5.64    | 5.64       | 2.62    | ppb   |
| Silicon    | 28-1  | 9.42    | 9.27    | 9.35    | 9.34       | 0.79    | ppb   |
| Silver     | 109-1 | 0.15    | 0.16    | 0.17    | 0.16       | 7.42    | ppb   |
| Silver     | 107-1 | 0.17    | 0.17    | 0.17    | 0.17       | 0.94    | ppb   |
| Sodium     | 23-2  | 478.31  | 477.42  | 470.35  | 475.36     | 0.92    | ppb   |
| Strontium  | 86-1  | 0.98    | 1.16    | 0.98    | 1.04       | 10.10   | ppb   |
| Strontium  | 88-1  | 0.94    | 0.99    | 0.94    | 0.96       | 3.14    | ppb   |
| Sulfur     | 34-1  | 73.13   | 35.88   | 45.92   | 51.64      | 37.32   | ppb   |
| Terbium    | 159-1 |         |         |         | 100        |         | %     |
| Terbium    | 159-2 |         |         |         | 101        |         | %     |
| Thallium   | 203-1 | 0.93    | 0.94    | 0.92    | 0.93       | 0.97    | ppb   |
| Thallium   | 205-1 | 0.95    | 0.93    | 0.92    | 0.93       | 1.87    | ppb   |
| Thorium    | 232-1 | 0.85    | 0.85    | 0.85    | 0.85       | 0.30    | ppb   |
| Tin        | 118-1 | 5.48    | 5.40    | 5.53    | 5.47       | 1.19    | ppb   |
| Titanium   | 47-1  | 5.13    | 5.15    | 5.05    | 5.11       | 1.02    | ppb   |
| Uranium    | 238-1 | 0.89    | 0.87    | 0.86    | 0.87       | 1.76    | ppb   |
| Vanadium   | 51-2  | 5.08    | 5.22    | 5.08    | 5.13       | 1.51    | ppb   |
| Yttrium    | 89-1  |         |         |         | 99         |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:00:34 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.03    | 1.78    | 1.99    | 1.93       | 6.91    | ppb   |
| Zirconium | 90-1 | 0.96    | 0.89    | 0.92    | 0.92       | 3.49    | ppb   |
| Zirconium | 91-1 | 0.90    | 1.02    | 0.91    | 0.94       | 7.31    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:04:31 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1011.35 | 1001.80 | 971.82  | 994.99     | 2.07    | ppb   |
| Antimony   | 121-1 | 53.72   | 53.90   | 53.42   | 53.68      | 0.46    | ppb   |
| Arsenic    | 75-1  | 53.98   | 54.46   | 54.38   | 54.27      | 0.47    | ppb   |
| Barium     | 135-1 | 269.16  | 271.11  | 268.59  | 269.62     | 0.49    | ppb   |
| Barium     | 137-1 | 265.83  | 266.57  | 265.27  | 265.89     | 0.25    | ppb   |
| Beryllium  | 9-1   | 53.80   | 53.85   | 53.60   | 53.75      | 0.26    | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 99         |         | %     |
| Boron      | 10-1  | 51.77   | 51.34   | 53.22   | 52.11      | 1.89    | ppb   |
| Boron      | 11-1  | 50.37   | 51.40   | 52.28   | 51.35      | 1.86    | ppb   |
| Cadmium    | 111-1 | 57.31   | 57.42   | 56.04   | 56.92      | 1.35    | ppb   |
| Cadmium    | 106-1 | 57.24   | 58.77   | 55.79   | 57.27      | 2.60    | ppb   |
| Cadmium    | 108-1 | 57.39   | 56.31   | 57.36   | 57.02      | 1.08    | ppb   |
| Calcium    | 43-1  | 4972.76 | 4914.11 | 4897.05 | 4927.97    | 0.81    | ppb   |
| Calcium    | 44-1  | 5002.43 | 4997.89 | 5018.33 | 5006.22    | 0.21    | ppb   |
| Chromium   | 52-2  | 52.20   | 52.83   | 52.05   | 52.36      | 0.79    | ppb   |
| Cobalt     | 59-2  | 54.38   | 54.40   | 53.43   | 54.07      | 1.03    | ppb   |
| Copper     | 63-2  | 107.21  | 106.25  | 105.31  | 106.26     | 0.89    | 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 |         |         |         | 99         |         | %     |
| Indium     | 115-2 |         |         |         | 97         |         | %     |
| Iron       | 56-2  | 2668.36 | 2683.05 | 2647.48 | 2666.30    | 0.67    | ppb   |
| Iron       | 57-2  | 2673.28 | 2718.93 | 2658.29 | 2683.50    | 1.18    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 50.62   | 51.62   | 50.63   | 50.96      | 1.13    | ppb   |
| Lead       | 207-1 | 50.46   | 50.61   | 50.84   | 50.64      | 0.37    | ppb   |
| Lead       | 208-1 | 50.44   | 50.73   | 50.40   | 50.53      | 0.36    | ppb   |
| Lithium    | 6-1   |         |         |         | 98         |         | %     |
| Magnesium  | 24-2  | 5341.16 | 5295.35 | 5298.70 | 5311.74    | 0.48    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:04:31 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 104.24  | 106.26  | 103.58  | 104.69     | 1.33    | ppb   |
| Molybdenum | 94-1  | 256.01  | 254.65  | 254.58  | 255.08     | 0.32    | ppb   |
| Molybdenum | 95-1  | 256.11  | 255.79  | 254.82  | 255.57     | 0.26    | ppb   |
| Molybdenum | 96-1  | 254.48  | 254.20  | 252.55  | 253.74     | 0.41    | ppb   |
| Molybdenum | 97-1  | 256.99  | 255.41  | 254.99  | 255.80     | 0.41    | ppb   |
| Molybdenum | 98-1  | 254.76  | 256.78  | 254.10  | 255.21     | 0.55    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 55.53   | 55.10   | 54.86   | 55.16      | 0.62    | ppb   |
| Phosphorus | 31-2  | 1173.85 | 1062.42 | 1068.14 | 1101.47    | 5.70    | ppb   |
| Potassium  | 39-2  | 2536.33 | 2505.96 | 2472.68 | 2504.99    | 1.27    | ppb   |
| Rhodium    | 103-1 |         |         |         | 97         |         | %     |
| Rhodium    | 103-2 |         |         |         | 97         |         | %     |
| Scandium   | 45-1  |         |         |         | 97         |         | %     |
| Scandium   | 45-2  |         |         |         | 97         |         | %     |
| Selenium   | 77-2  | 57.69   | 63.51   | 56.26   | 59.15      | 6.49    | ppb   |
| Selenium   | 78-2  | 54.46   | 56.17   | 54.29   | 54.97      | 1.90    | ppb   |
| Selenium   | 82-1  | 54.17   | 54.43   | 54.57   | 54.39      | 0.38    | ppb   |
| Silicon    | 28-1  | 51.29   | 51.46   | 52.66   | 51.80      | 1.44    | ppb   |
| Silver     | 109-1 | 58.04   | 58.08   | 57.08   | 57.73      | 0.98    | ppb   |
| Silver     | 107-1 | 58.03   | 57.69   | 57.02   | 57.58      | 0.90    | ppb   |
| Sodium     | 23-2  | 5072.99 | 5032.55 | 4960.48 | 5022.00    | 1.13    | ppb   |
| Strontium  | 86-1  | 51.25   | 51.48   | 51.29   | 51.34      | 0.24    | ppb   |
| Strontium  | 88-1  | 51.26   | 50.95   | 50.79   | 51.00      | 0.47    | ppb   |
| Sulfur     | 34-1  | 1202.57 | 1071.61 | 1085.10 | 1119.76    | 6.43    | ppb   |
| Terbium    | 159-1 |         |         |         | 101        |         | %     |
| Terbium    | 159-2 |         |         |         | 99         |         | %     |
| Thallium   | 203-1 | 50.18   | 50.20   | 50.15   | 50.18      | 0.05    | ppb   |
| Thallium   | 205-1 | 49.71   | 50.58   | 50.40   | 50.23      | 0.91    | ppb   |
| Thorium    | 232-1 | 47.64   | 47.43   | 47.12   | 47.40      | 0.55    | ppb   |
| Tin        | 118-1 | 55.04   | 54.76   | 54.21   | 54.67      | 0.77    | ppb   |
| Titanium   | 47-1  | 256.80  | 253.96  | 257.83  | 256.20     | 0.78    | ppb   |
| Uranium    | 238-1 | 48.19   | 47.94   | 47.82   | 47.98      | 0.40    | ppb   |
| Vanadium   | 51-2  | 52.46   | 52.16   | 52.03   | 52.22      | 0.43    | ppb   |
| Yttrium    | 89-1  |         |         |         | 99         |         | %     |
| Yttrium    | 89-2  |         |         |         | 98         |         | %     |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:04:31 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 107.65  | 106.10  | 104.52  | 106.09     | 1.48    | ppb   |
| Zirconium | 90-1 | 50.73   | 50.72   | 50.82   | 50.76      | 0.11    | ppb   |
| Zirconium | 91-1 | 50.88   | 51.14   | 50.98   | 51.00      | 0.26    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:08:27 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2530.80  | 2472.04  | 2591.95  | 2531.59    | 2.37    | ppb   |
| Antimony   | 121-1 | 139.24   | 139.50   | 136.72   | 138.49     | 1.11    | ppb   |
| Arsenic    | 75-1  | 138.39   | 138.80   | 140.84   | 139.34     | 0.94    | ppb   |
| Barium     | 135-1 | 690.37   | 691.03   | 676.72   | 686.04     | 1.18    | ppb   |
| Barium     | 137-1 | 687.10   | 687.90   | 672.96   | 682.65     | 1.23    | ppb   |
| Beryllium  | 9-1   | 136.71   | 137.13   | 136.58   | 136.81     | 0.21    | ppb   |
| Bismuth    | 209-1 |          |          |          | 99         |         | %     |
| Bismuth    | 209-2 |          |          |          | 96         |         | %     |
| Boron      | 10-1  | 126.44   | 130.03   | 134.45   | 130.31     | 3.08    | ppb   |
| Boron      | 11-1  | 130.42   | 132.66   | 132.12   | 131.74     | 0.89    | ppb   |
| Cadmium    | 111-1 | 146.14   | 145.81   | 144.70   | 145.55     | 0.52    | ppb   |
| Cadmium    | 106-1 | 144.13   | 146.22   | 147.03   | 145.79     | 1.03    | ppb   |
| Cadmium    | 108-1 | 146.30   | 142.63   | 141.18   | 143.37     | 1.84    | ppb   |
| Calcium    | 43-1  | 12984.98 | 12868.89 | 12890.01 | 12914.62   | 0.48    | ppb   |
| Calcium    | 44-1  | 12943.74 | 12878.95 | 13132.95 | 12985.21   | 1.02    | ppb   |
| Chromium   | 52-2  | 134.58   | 133.73   | 139.57   | 135.96     | 2.32    | ppb   |
| Cobalt     | 59-2  | 138.16   | 136.64   | 142.00   | 138.93     | 1.99    | ppb   |
| Copper     | 63-2  | 276.39   | 273.38   | 284.22   | 278.00     | 2.01    | 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 |          |          |          | 100        |         | %     |
| Holmium    | 165-2 |          |          |          | 97         |         | %     |
| Indium     | 115-1 |          |          |          | 96         |         | %     |
| Indium     | 115-2 |          |          |          | 92         |         | %     |
| Iron       | 56-2  | 6772.16  | 6724.27  | 6960.29  | 6818.91    | 1.83    | ppb   |
| Iron       | 57-2  | 6823.64  | 6741.07  | 7003.09  | 6855.93    | 1.95    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 132.82   | 130.98   | 131.50   | 131.77     | 0.72    | ppb   |
| Lead       | 207-1 | 132.15   | 130.32   | 130.77   | 131.08     | 0.73    | ppb   |
| Lead       | 208-1 | 131.61   | 130.07   | 130.89   | 130.86     | 0.59    | ppb   |
| Lithium    | 6-1   |          |          |          | 94         |         | %     |
| Magnesium  | 24-2  | 13744.78 | 13552.76 | 14135.75 | 13811.10   | 2.15    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:08:27 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 270.08   | 266.92   | 276.84   | 271.28     | 1.87    | ppb   |
| Molybdenum | 94-1  | 658.02   | 664.94   | 658.57   | 660.51     | 0.58    | ppb   |
| Molybdenum | 95-1  | 660.50   | 661.29   | 667.59   | 663.13     | 0.59    | ppb   |
| Molybdenum | 96-1  | 662.07   | 664.06   | 666.48   | 664.20     | 0.33    | ppb   |
| Molybdenum | 97-1  | 661.48   | 663.89   | 665.38   | 663.58     | 0.30    | ppb   |
| Molybdenum | 98-1  | 664.58   | 664.90   | 662.26   | 663.91     | 0.22    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 141.10   | 138.78   | 145.39   | 141.76     | 2.37    | ppb   |
| Phosphorus | 31-2  | 2911.27  | 2559.61  | 2886.96  | 2785.94    | 7.05    | ppb   |
| Potassium  | 39-2  | 6464.44  | 6370.17  | 6605.04  | 6479.88    | 1.82    | ppb   |
| Rhodium    | 103-1 |          |          |          | 94         |         | %     |
| Rhodium    | 103-2 |          |          |          | 91         |         | %     |
| Scandium   | 45-1  |          |          |          | 94         |         | %     |
| Scandium   | 45-2  |          |          |          | 91         |         | %     |
| Selenium   | 77-2  | 128.08   | 135.87   | 155.11   | 139.69     | 9.96    | ppb   |
| Selenium   | 78-2  | 139.27   | 138.10   | 142.45   | 139.94     | 1.61    | ppb   |
| Selenium   | 82-1  | 138.87   | 141.29   | 139.70   | 139.95     | 0.88    | ppb   |
| Silicon    | 28-1  | 132.63   | 132.89   | 133.20   | 132.91     | 0.21    | ppb   |
| Silver     | 109-1 | 147.37   | 147.26   | 144.63   | 146.42     | 1.06    | ppb   |
| Silver     | 107-1 | 145.51   | 146.47   | 146.72   | 146.24     | 0.44    | ppb   |
| Sodium     | 23-2  | 13004.30 | 12897.15 | 13429.55 | 13110.33   | 2.15    | ppb   |
| Strontium  | 86-1  | 133.43   | 134.37   | 133.61   | 133.80     | 0.37    | ppb   |
| Strontium  | 88-1  | 131.08   | 131.67   | 132.63   | 131.79     | 0.59    | ppb   |
| Sulfur     | 34-1  | 2443.48  | 2420.17  | 2466.52  | 2443.39    | 0.95    | ppb   |
| Terbium    | 159-1 |          |          |          | 100        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 132.44   | 129.39   | 131.09   | 130.97     | 1.17    | ppb   |
| Thallium   | 205-1 | 131.82   | 129.58   | 129.56   | 130.32     | 1.00    | ppb   |
| Thorium    | 232-1 | 126.49   | 126.25   | 125.76   | 126.17     | 0.29    | ppb   |
| Tin        | 118-1 | 139.63   | 139.98   | 137.16   | 138.92     | 1.11    | ppb   |
| Titanium   | 47-1  | 660.70   | 658.98   | 661.10   | 660.26     | 0.17    | ppb   |
| Uranium    | 238-1 | 127.42   | 126.19   | 126.89   | 126.84     | 0.48    | ppb   |
| Vanadium   | 51-2  | 134.79   | 133.42   | 137.87   | 135.36     | 1.68    | ppb   |
| Yttrium    | 89-1  |          |          |          | 96         |         | %     |
| Yttrium    | 89-2  |          |          |          | 92         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:08:27 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 279.84  | 275.78  | 287.39  | 281.00     | 2.10    | ppb   |
| Zirconium | 90-1 | 131.61  | 132.77  | 131.70  | 132.03     | 0.49    | ppb   |
| Zirconium | 91-1 | 132.58  | 133.49  | 132.84  | 132.97     | 0.35    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:12:20 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4894.74  | 4855.81  | 4805.26  | 4851.93    | 0.92    | ppb   |
| Antimony   | 121-1 | 258.89   | 257.01   | 255.78   | 257.23     | 0.61    | ppb   |
| Arsenic    | 75-1  | 257.89   | 259.29   | 258.89   | 258.69     | 0.28    | ppb   |
| Barium     | 135-1 | 1286.57  | 1276.87  | 1280.96  | 1281.47    | 0.38    | ppb   |
| Barium     | 137-1 | 1274.96  | 1266.77  | 1265.60  | 1269.11    | 0.40    | ppb   |
| Beryllium  | 9-1   | 259.59   | 257.02   | 257.49   | 258.03     | 0.53    | ppb   |
| Bismuth    | 209-1 |          |          |          | 98         |         | %     |
| Bismuth    | 209-2 |          |          |          | 93         |         | %     |
| Boron      | 10-1  | 255.08   | 247.59   | 257.29   | 253.32     | 2.01    | ppb   |
| Boron      | 11-1  | 250.25   | 255.31   | 252.46   | 252.67     | 1.00    | ppb   |
| Cadmium    | 111-1 | 267.58   | 265.16   | 266.00   | 266.25     | 0.46    | ppb   |
| Cadmium    | 106-1 | 261.04   | 253.16   | 262.88   | 259.03     | 1.99    | ppb   |
| Cadmium    | 108-1 | 266.94   | 263.88   | 261.01   | 263.94     | 1.13    | ppb   |
| Calcium    | 43-1  | 24788.66 | 24514.00 | 24896.18 | 24732.94   | 0.80    | ppb   |
| Calcium    | 44-1  | 24587.74 | 24644.23 | 24825.58 | 24685.85   | 0.50    | ppb   |
| Chromium   | 52-2  | 256.04   | 259.15   | 255.73   | 256.97     | 0.74    | ppb   |
| Cobalt     | 59-2  | 259.97   | 261.95   | 258.49   | 260.14     | 0.67    | ppb   |
| Copper     | 63-2  | 517.08   | 524.61   | 513.98   | 518.56     | 1.05    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 97         |         | %     |
| Holmium    | 165-2 |          |          |          | 94         |         | %     |
| Indium     | 115-1 |          |          |          | 90         |         | %     |
| Indium     | 115-2 |          |          |          | 87         |         | %     |
| Iron       | 56-2  | 13015.54 | 13062.66 | 12954.95 | 13011.05   | 0.42    | ppb   |
| Iron       | 57-2  | 12928.42 | 13001.69 | 13052.12 | 12994.08   | 0.48    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 247.52   | 249.14   | 254.36   | 250.34     | 1.43    | ppb   |
| Lead       | 207-1 | 248.83   | 248.81   | 252.07   | 249.90     | 0.75    | ppb   |
| Lead       | 208-1 | 247.53   | 248.83   | 251.72   | 249.36     | 0.86    | ppb   |
| Lithium    | 6-1   |          |          |          | 86         |         | %     |
| Magnesium  | 24-2  | 26197.22 | 26482.11 | 25983.17 | 26220.83   | 0.95    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:12:20 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 512.22   | 518.65   | 512.24   | 514.37     | 0.72    | ppb   |
| Molybdenum | 94-1  | 1251.67  | 1253.57  | 1254.38  | 1253.21    | 0.11    | ppb   |
| Molybdenum | 95-1  | 1263.48  | 1260.52  | 1253.31  | 1259.11    | 0.42    | ppb   |
| Molybdenum | 96-1  | 1257.32  | 1259.82  | 1261.35  | 1259.50    | 0.16    | ppb   |
| Molybdenum | 97-1  | 1250.48  | 1262.58  | 1262.74  | 1258.60    | 0.56    | ppb   |
| Molybdenum | 98-1  | 1255.42  | 1257.39  | 1261.99  | 1258.27    | 0.27    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 264.62   | 264.01   | 262.77   | 263.80     | 0.36    | ppb   |
| Phosphorus | 31-2  | 5224.52  | 5182.37  | 5160.47  | 5189.12    | 0.63    | ppb   |
| Potassium  | 39-2  | 12259.99 | 12303.00 | 12123.94 | 12228.98   | 0.76    | ppb   |
| Rhodium    | 103-1 |          |          |          | 86         |         | %     |
| Rhodium    | 103-2 |          |          |          | 85         |         | %     |
| Scandium   | 45-1  |          |          |          | 85         |         | %     |
| Scandium   | 45-2  |          |          |          | 84         |         | %     |
| Selenium   | 77-2  | 281.81   | 255.66   | 250.01   | 262.49     | 6.46    | ppb   |
| Selenium   | 78-2  | 254.66   | 265.53   | 258.53   | 259.57     | 2.12    | ppb   |
| Selenium   | 82-1  | 258.12   | 259.03   | 259.93   | 259.03     | 0.35    | ppb   |
| Silicon    | 28-1  | 254.73   | 257.76   | 259.64   | 257.38     | 0.96    | ppb   |
| Silver     | 109-1 | 268.64   | 267.78   | 266.18   | 267.53     | 0.47    | ppb   |
| Silver     | 107-1 | 268.10   | 267.81   | 264.37   | 266.76     | 0.78    | ppb   |
| Sodium     | 23-2  | 24964.24 | 24962.11 | 24512.09 | 24812.81   | 1.05    | ppb   |
| Strontium  | 86-1  | 252.13   | 252.71   | 250.84   | 251.89     | 0.38    | ppb   |
| Strontium  | 88-1  | 251.59   | 251.61   | 252.37   | 251.86     | 0.18    | ppb   |
| Sulfur     | 34-1  | 4544.68  | 4617.89  | 4645.20  | 4602.59    | 1.13    | ppb   |
| Terbium    | 159-1 |          |          |          | 97         |         | %     |
| Terbium    | 159-2 |          |          |          | 93         |         | %     |
| Thallium   | 203-1 | 246.52   | 246.50   | 248.11   | 247.04     | 0.37    | ppb   |
| Thallium   | 205-1 | 245.96   | 248.01   | 250.90   | 248.29     | 1.00    | ppb   |
| Thorium    | 232-1 | 240.76   | 240.65   | 242.25   | 241.22     | 0.37    | ppb   |
| Tin        | 118-1 | 260.09   | 259.76   | 258.65   | 259.50     | 0.29    | ppb   |
| Titanium   | 47-1  | 1251.83  | 1261.12  | 1261.54  | 1258.16    | 0.44    | ppb   |
| Uranium    | 238-1 | 243.48   | 241.32   | 244.43   | 243.08     | 0.65    | ppb   |
| Vanadium   | 51-2  | 253.49   | 257.06   | 252.76   | 254.44     | 0.90    | ppb   |
| Yttrium    | 89-1  |          |          |          | 90         |         | %     |
| Yttrium    | 89-2  |          |          |          | 87         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:12:20 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 529.55  | 536.14  | 526.44  | 530.71     | 0.93    | ppb   |
| Zirconium | 90-1 | 250.10  | 250.62  | 250.63  | 250.45     | 0.12    | ppb   |
| Zirconium | 91-1 | 254.49  | 250.86  | 253.89  | 253.08     | 0.77    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:16:10 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9513.51  | 9615.74  | 9542.97  | 9557.41    | 0.55    | ppb   |
| Antimony   | 121-1 | 501.95   | 500.53   | 504.11   | 502.20     | 0.36    | ppb   |
| Arsenic    | 75-1  | 507.27   | 504.97   | 503.91   | 505.38     | 0.34    | ppb   |
| Barium     | 135-1 | 2503.59  | 2491.05  | 2510.02  | 2501.55    | 0.39    | ppb   |
| Barium     | 137-1 | 2505.30  | 2504.66  | 2507.77  | 2505.91    | 0.07    | ppb   |
| Beryllium  | 9-1   | 504.58   | 502.87   | 503.31   | 503.59     | 0.18    | ppb   |
| Bismuth    | 209-1 |          |          |          | 95         |         | %     |
| Bismuth    | 209-2 |          |          |          | 90         |         | %     |
| Boron      | 10-1  | 493.57   | 500.54   | 512.47   | 502.19     | 1.90    | ppb   |
| Boron      | 11-1  | 489.51   | 496.77   | 507.04   | 497.77     | 1.77    | ppb   |
| Cadmium    | 111-1 | 509.57   | 507.71   | 508.36   | 508.55     | 0.19    | ppb   |
| Cadmium    | 106-1 | 515.95   | 508.73   | 499.61   | 508.10     | 1.61    | ppb   |
| Cadmium    | 108-1 | 507.05   | 509.29   | 511.95   | 509.43     | 0.48    | ppb   |
| Calcium    | 43-1  | 48995.77 | 49088.17 | 48840.91 | 48974.95   | 0.26    | ppb   |
| Calcium    | 44-1  | 48531.47 | 48793.40 | 48509.46 | 48611.44   | 0.32    | ppb   |
| Chromium   | 52-2  | 497.30   | 507.16   | 507.45   | 503.97     | 1.15    | ppb   |
| Cobalt     | 59-2  | 501.59   | 511.40   | 512.56   | 508.52     | 1.19    | ppb   |
| Copper     | 63-2  | 990.96   | 1005.24  | 1010.31  | 1002.17    | 1.00    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 96         |         | %     |
| Holmium    | 165-2 |          |          |          | 92         |         | %     |
| Indium     | 115-1 |          |          |          | 87         |         | %     |
| Indium     | 115-2 |          |          |          | 83         |         | %     |
| Iron       | 56-2  | 25303.39 | 25558.09 | 25701.93 | 25521.14   | 0.79    | ppb   |
| Iron       | 57-2  | 25450.42 | 25855.74 | 26042.60 | 25782.92   | 1.17    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 492.98   | 497.12   | 501.52   | 497.20     | 0.86    | ppb   |
| Lead       | 207-1 | 494.10   | 496.43   | 497.70   | 496.08     | 0.37    | ppb   |
| Lead       | 208-1 | 492.34   | 495.47   | 497.14   | 494.98     | 0.49    | ppb   |
| Lithium    | 6-1   |          |          |          | 81         |         | %     |
| Magnesium  | 24-2  | 51313.50 | 51826.94 | 51918.31 | 51686.25   | 0.63    | ppb   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:16:10 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 997.99   | 1012.91  | 1021.63  | 1010.84    | 1.18    | ppb   |
| Molybdenum | 94-1  | 2492.55  | 2448.54  | 2484.45  | 2475.18    | 0.95    | ppb   |
| Molybdenum | 95-1  | 2491.59  | 2482.45  | 2486.38  | 2486.81    | 0.18    | ppb   |
| Molybdenum | 96-1  | 2483.01  | 2477.34  | 2483.73  | 2481.36    | 0.14    | ppb   |
| Molybdenum | 97-1  | 2480.97  | 2461.79  | 2460.49  | 2467.75    | 0.46    | ppb   |
| Molybdenum | 98-1  | 2492.90  | 2469.02  | 2481.61  | 2481.17    | 0.48    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 500.27   | 511.06   | 511.90   | 507.74     | 1.28    | ppb   |
| Phosphorus | 31-2  | 10012.44 | 10207.20 | 10416.57 | 10212.07   | 1.98    | ppb   |
| Potassium  | 39-2  | 23919.46 | 24209.24 | 24422.07 | 24183.59   | 1.04    | ppb   |
| Rhodium    | 103-1 |          |          |          | 81         |         | %     |
| Rhodium    | 103-2 |          |          |          | 81         |         | %     |
| Scandium   | 45-1  |          |          |          | 80         |         | %     |
| Scandium   | 45-2  |          |          |          | 82         |         | %     |
| Selenium   | 77-2  | 512.25   | 479.92   | 523.56   | 505.24     | 4.48    | ppb   |
| Selenium   | 78-2  | 507.27   | 506.74   | 524.01   | 512.67     | 1.92    | ppb   |
| Selenium   | 82-1  | 504.63   | 504.59   | 508.54   | 505.92     | 0.45    | ppb   |
| Silicon    | 28-1  | 507.57   | 513.35   | 514.47   | 511.79     | 0.72    | ppb   |
| Silver     | 109-1 | 507.41   | 504.99   | 503.23   | 505.21     | 0.41    | ppb   |
| Silver     | 107-1 | 505.24   | 507.43   | 504.92   | 505.86     | 0.27    | ppb   |
| Sodium     | 23-2  | 48624.64 | 49350.07 | 49641.88 | 49205.53   | 1.06    | ppb   |
| Strontium  | 86-1  | 498.89   | 497.86   | 500.98   | 499.24     | 0.32    | ppb   |
| Strontium  | 88-1  | 497.72   | 494.97   | 498.33   | 497.01     | 0.36    | ppb   |
| Sulfur     | 34-1  | 9730.06  | 9824.03  | 9662.07  | 9738.72    | 0.84    | ppb   |
| Terbium    | 159-1 |          |          |          | 95         |         | %     |
| Terbium    | 159-2 |          |          |          | 91         |         | %     |
| Thallium   | 203-1 | 490.96   | 491.65   | 498.26   | 493.63     | 0.82    | ppb   |
| Thallium   | 205-1 | 492.73   | 491.93   | 496.12   | 493.59     | 0.45    | ppb   |
| Thorium    | 232-1 | 488.23   | 488.43   | 492.48   | 489.71     | 0.49    | ppb   |
| Tin        | 118-1 | 507.74   | 507.56   | 501.75   | 505.68     | 0.67    | ppb   |
| Titanium   | 47-1  | 2447.55  | 2476.20  | 2478.25  | 2467.33    | 0.70    | ppb   |
| Uranium    | 238-1 | 488.78   | 488.85   | 494.24   | 490.63     | 0.64    | ppb   |
| Vanadium   | 51-2  | 495.96   | 504.59   | 506.76   | 502.44     | 1.14    | ppb   |
| Yttrium    | 89-1  |          |          |          | 86         |         | %     |
| Yttrium    | 89-2  |          |          |          | 83         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:16:10 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1015.34 | 1028.24 | 1032.53 | 1025.37    | 0.87    | ppb   |
| Zirconium | 90-1 | 501.01  | 491.93  | 494.38  | 495.78     | 0.95    | ppb   |
| Zirconium | 91-1 | 499.83  | 494.14  | 499.33  | 497.77     | 0.63    | ppb   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : S7 Instrumnet Name : P7  
 Client Sample ID : S7 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 11:19:58 DataFile Name : 010CAL.S.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 18796.85  | 18814.18  | 18709.11  | 18773.38   | 0.30    | ppb   |
| Antimony   | 121-1 | 1005.22   | 993.85    | 986.61    | 995.23     | 0.94    | ppb   |
| Arsenic    | 75-1  | 998.11    | 986.73    | 994.55    | 993.13     | 0.59    | ppb   |
| Barium     | 135-1 | 5023.65   | 4976.88   | 4947.70   | 4982.74    | 0.77    | ppb   |
| Barium     | 137-1 | 5029.36   | 4987.88   | 4935.56   | 4984.26    | 0.94    | ppb   |
| Beryllium  | 9-1   | 1002.04   | 995.03    | 986.53    | 994.54     | 0.78    | ppb   |
| Bismuth    | 209-1 |           |           |           | 95         |         | %     |
| Bismuth    | 209-2 |           |           |           | 91         |         | %     |
| Boron      | 10-1  | 996.49    | 992.65    | 1002.87   | 997.33     | 0.52    | ppb   |
| Boron      | 11-1  | 985.14    | 1005.91   | 1007.63   | 999.56     | 1.25    | ppb   |
| Cadmium    | 111-1 | 997.10    | 987.33    | 981.81    | 988.75     | 0.78    | ppb   |
| Cadmium    | 106-1 | 1001.74   | 994.67    | 975.80    | 990.74     | 1.35    | ppb   |
| Cadmium    | 108-1 | 1006.30   | 989.92    | 971.23    | 989.15     | 1.77    | ppb   |
| Calcium    | 43-1  | 98242.57  | 98180.35  | 97576.70  | 97999.88   | 0.38    | ppb   |
| Calcium    | 44-1  | 98178.99  | 98497.58  | 97751.41  | 98142.66   | 0.38    | ppb   |
| Chromium   | 52-2  | 994.37    | 1000.01   | 989.97    | 994.78     | 0.51    | ppb   |
| Cobalt     | 59-2  | 991.44    | 990.02    | 992.33    | 991.26     | 0.12    | ppb   |
| Copper     | 63-2  | 1985.46   | 1992.44   | 1993.50   | 1990.46    | 0.22    | 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 |           |           |           | 95         |         | %     |
| Indium     | 115-1 |           |           |           | 85         |         | %     |
| Indium     | 115-2 |           |           |           | 82         |         | %     |
| Iron       | 56-2  | 50266.01  | 50174.55  | 50183.02  | 50207.86   | 0.10    | ppb   |
| Iron       | 57-2  | 50333.24  | 50263.08  | 50420.07  | 50338.80   | 0.16    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 1001.68   | 1004.73   | 994.85    | 1000.42    | 0.51    | ppb   |
| Lead       | 207-1 | 1004.08   | 1008.00   | 991.50    | 1001.19    | 0.86    | ppb   |
| Lead       | 208-1 | 1000.87   | 1011.12   | 993.74    | 1001.91    | 0.87    | ppb   |
| Lithium    | 6-1   |           |           |           | 80         |         | %     |
| Magnesium  | 24-2  | 102004.44 | 102973.90 | 101651.62 | 102209.99  | 0.67    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:19:58 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1985.21  | 1990.36  | 1988.70  | 1988.09    | 0.13    | ppb   |
| Molybdenum | 94-1  | 5012.25  | 5010.48  | 4998.01  | 5006.91    | 0.16    | ppb   |
| Molybdenum | 95-1  | 5004.74  | 5005.74  | 4987.35  | 4999.28    | 0.21    | ppb   |
| Molybdenum | 96-1  | 5015.03  | 4999.69  | 4990.85  | 5001.86    | 0.24    | ppb   |
| Molybdenum | 97-1  | 5022.44  | 5017.83  | 4986.31  | 5008.86    | 0.39    | ppb   |
| Molybdenum | 98-1  | 5024.36  | 5003.94  | 4978.37  | 5002.22    | 0.46    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 987.79   | 995.54   | 987.65   | 990.33     | 0.46    | ppb   |
| Phosphorus | 31-2  | 19595.53 | 19903.31 | 19918.77 | 19805.87   | 0.92    | ppb   |
| Potassium  | 39-2  | 47383.90 | 47723.10 | 47547.67 | 47551.56   | 0.36    | ppb   |
| Rhodium    | 103-1 |          |          |          | 79         |         | %     |
| Rhodium    | 103-2 |          |          |          | 80         |         | %     |
| Scandium   | 45-1  |          |          |          | 79         |         | %     |
| Scandium   | 45-2  |          |          |          | 82         |         | %     |
| Selenium   | 77-2  | 981.52   | 1009.05  | 985.30   | 991.96     | 1.50    | ppb   |
| Selenium   | 78-2  | 983.82   | 995.28   | 988.35   | 989.15     | 0.58    | ppb   |
| Selenium   | 82-1  | 1000.44  | 995.41   | 982.22   | 992.69     | 0.95    | ppb   |
| Silicon    | 28-1  | 988.53   | 992.85   | 992.18   | 991.19     | 0.23    | ppb   |
| Silver     | 109-1 | 994.59   | 991.15   | 984.11   | 989.95     | 0.54    | ppb   |
| Silver     | 107-1 | 997.86   | 992.39   | 979.29   | 989.85     | 0.96    | ppb   |
| Sodium     | 23-2  | 97820.34 | 98430.70 | 97689.51 | 97980.18   | 0.40    | ppb   |
| Strontium  | 86-1  | 1000.49  | 1001.46  | 994.26   | 998.74     | 0.39    | ppb   |
| Strontium  | 88-1  | 1005.03  | 998.99   | 996.37   | 1000.13    | 0.44    | ppb   |
| Sulfur     | 34-1  | 20717.11 | 20136.63 | 19839.51 | 20231.08   | 2.21    | ppb   |
| Terbium    | 159-1 |          |          |          | 97         |         | %     |
| Terbium    | 159-2 |          |          |          | 93         |         | %     |
| Thallium   | 203-1 | 1004.16  | 1009.82  | 995.53   | 1003.17    | 0.72    | ppb   |
| Thallium   | 205-1 | 1007.26  | 1002.03  | 999.57   | 1002.95    | 0.39    | ppb   |
| Thorium    | 232-1 | 1012.62  | 1004.98  | 1004.37  | 1007.32    | 0.46    | ppb   |
| Tin        | 118-1 | 1002.97  | 998.37   | 977.08   | 992.81     | 1.39    | ppb   |
| Titanium   | 47-1  | 5021.81  | 5017.91  | 4989.00  | 5009.57    | 0.36    | ppb   |
| Uranium    | 238-1 | 1006.36  | 1010.91  | 1001.59  | 1006.29    | 0.46    | ppb   |
| Vanadium   | 51-2  | 994.03   | 998.69   | 996.07   | 996.26     | 0.23    | ppb   |
| Yttrium    | 89-1  |          |          |          | 85         |         | %     |
| Yttrium    | 89-2  |          |          |          | 84         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:19:58 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1967.76 | 1976.11 | 1982.50 | 1975.46    | 0.37    | ppb   |
| Zirconium | 90-1 | 1009.15 | 1000.14 | 993.96  | 1001.08    | 0.76    | ppb   |
| Zirconium | 91-1 | 1008.95 | 995.65  | 993.30  | 999.30     | 0.84    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:23:44 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 100069.07 | 99856.12  | 100963.55 | 100296.25  | 0.59    | ppb   |
| Antimony   | 121-1 | 1.36      | 1.49      | 1.52      | 1.46       | 5.74    | ppb   |
| Arsenic    | 75-1  | 1.47      | 1.33      | 1.50      | 1.43       | 6.26    | ppb   |
| Barium     | 135-1 | 0.84      | 0.72      | 0.61      | 0.72       | 16.27   | ppb   |
| Barium     | 137-1 | 0.79      | 0.70      | 0.51      | 0.67       | 21.23   | ppb   |
| Beryllium  | 9-1   | 0.24      | 0.16      | 0.13      | 0.18       | 31.19   | ppb   |
| Bismuth    | 209-1 |           |           |           | 84         |         | %     |
| Bismuth    | 209-2 |           |           |           | 79         |         | %     |
| Boron      | 10-1  | 45.52     | 39.92     | 36.31     | 40.58      | 11.44   | ppb   |
| Boron      | 11-1  | 43.97     | 39.95     | 36.85     | 40.26      | 8.86    | ppb   |
| Cadmium    | 111-1 | -0.03     | -0.11     | -0.06     | -0.07      |         | ppb   |
| Cadmium    | 106-1 | -2.33     | -2.82     | -2.58     | -2.58      |         | ppb   |
| Cadmium    | 108-1 | 0.29      | 0.33      | 0.26      | 0.29       | 11.63   | ppb   |
| Calcium    | 43-1  | 501651.23 | 501741.12 | 498126.45 | 500506.27  | 0.41    | ppb   |
| Calcium    | 44-1  | 503654.39 | 499951.58 | 497935.64 | 500513.87  | 0.58    | ppb   |
| Chromium   | 52-2  | 2.05      | 2.01      | 1.90      | 1.99       | 3.91    | ppb   |
| Cobalt     | 59-2  | 11.52     | 11.32     | 11.82     | 11.55      | 2.15    | ppb   |
| Copper     | 63-2  | 1.17      | 1.19      | 1.12      | 1.16       | 3.17    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 94         |         | %     |
| Holmium    | 165-2 |           |           |           | 91         |         | %     |
| Indium     | 115-1 |           |           |           | 82         |         | %     |
| Indium     | 115-2 |           |           |           | 83         |         | %     |
| Iron       | 56-2  | 249713.34 | 248649.80 | 251231.48 | 249864.88  | 0.52    | ppb   |
| Iron       | 57-2  | 250559.27 | 248192.33 | 250685.18 | 249812.26  | 0.56    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 0.84      | 0.86      | 0.84      | 0.85       | 1.74    | ppb   |
| Lead       | 207-1 | 0.73      | 0.71      | 0.72      | 0.72       | 1.72    | ppb   |
| Lead       | 208-1 | 0.81      | 0.81      | 0.77      | 0.80       | 2.90    | ppb   |
| Lithium    | 6-1   |           |           |           | 84         |         | %     |
| Magnesium  | 24-2  | 499635.34 | 499541.96 | 498699.96 | 499292.42  | 0.10    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:23:44 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 4.41      | 4.33      | 4.56      | 4.43       | 2.72    | ppb   |
| Molybdenum | 94-1  | 1.81      | 1.83      | 1.54      | 1.73       | 9.22    | ppb   |
| Molybdenum | 95-1  | 2.12      | 2.06      | 1.85      | 2.01       | 7.04    | ppb   |
| Molybdenum | 96-1  | 3.16      | 2.87      | 2.69      | 2.90       | 8.18    | ppb   |
| Molybdenum | 97-1  | 2.12      | 1.68      | 1.78      | 1.86       | 12.46   | ppb   |
| Molybdenum | 98-1  | 2.00      | 1.83      | 1.64      | 1.82       | 9.81    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 9.55      | 9.23      | 9.50      | 9.42       | 1.81    | ppb   |
| Phosphorus | 31-2  | 17.46     | 2.21      | 1.77      | 7.15       | 124.95  | ppb   |
| Potassium  | 39-2  | 250336.97 | 248368.18 | 253032.25 | 250579.13  | 0.93    | ppb   |
| Rhodium    | 103-1 |           |           |           | 75         |         | %     |
| Rhodium    | 103-2 |           |           |           | 77         |         | %     |
| Scandium   | 45-1  |           |           |           | 84         |         | %     |
| Scandium   | 45-2  |           |           |           | 90         |         | %     |
| Selenium   | 77-2  | 0.53      | 0.00      | 0.52      | 0.35       | 86.62   | ppb   |
| Selenium   | 78-2  | -0.04     | -0.23     | -1.02     | -0.43      |         | ppb   |
| Selenium   | 82-1  | 0.35      | 1.02      | 0.17      | 0.52       | 86.88   | ppb   |
| Silicon    | 28-1  | 23.26     | 22.90     | 21.32     | 22.49      | 4.58    | ppb   |
| Silver     | 109-1 | 0.09      | 0.07      | 0.07      | 0.08       | 15.50   | ppb   |
| Silver     | 107-1 | 0.10      | 0.08      | 0.07      | 0.08       | 21.02   | ppb   |
| Sodium     | 23-2  | 500260.00 | 498823.27 | 502348.68 | 500477.32  | 0.35    | ppb   |
| Strontium  | 86-1  | 4.56      | 4.62      | 4.19      | 4.46       | 5.18    | ppb   |
| Strontium  | 88-1  | 4.20      | 4.20      | 4.18      | 4.19       | 0.30    | ppb   |
| Sulfur     | 34-1  | 70.29     | 213.38    | 247.63    | 177.10     | 53.12   | ppb   |
| Terbium    | 159-1 |           |           |           | 94         |         | %     |
| Terbium    | 159-2 |           |           |           | 90         |         | %     |
| Thallium   | 203-1 | 0.28      | 0.24      | 0.21      | 0.24       | 13.33   | ppb   |
| Thallium   | 205-1 | 0.26      | 0.24      | 0.20      | 0.24       | 12.63   | ppb   |
| Thorium    | 232-1 | 0.18      | 0.14      | 0.12      | 0.15       | 22.31   | ppb   |
| Tin        | 118-1 | 0.33      | 0.30      | 0.31      | 0.32       | 4.82    | ppb   |
| Titanium   | 47-1  | 2.19      | 2.15      | 1.94      | 2.09       | 6.50    | ppb   |
| Uranium    | 238-1 | 0.11      | 0.08      | 0.06      | 0.08       | 26.24   | ppb   |
| Vanadium   | 51-2  | 0.11      | 0.11      | 0.10      | 0.11       | 7.90    | ppb   |
| Yttrium    | 89-1  |           |           |           | 86         |         | %     |
| Yttrium    | 89-2  |           |           |           | 88         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:23:44 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 11.76   | 12.15   | 11.85   | 11.92      | 1.70    | ppb   |
| Zirconium | 90-1 | 0.29    | 0.24    | 0.22    | 0.25       | 13.03   | ppb   |
| Zirconium | 91-1 | 0.23    | 0.17    | 0.21    | 0.20       | 14.00   | ppb   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 12:10:59 | DataFile Name :   | 016ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 479.34  | 482.43  | 471.10  | 477.62     | 1.23    | ppb   |
| Antimony   | 121-1 | 207.79  | 205.09  | 202.69  | 205.19     | 1.24    | ppb   |
| Arsenic    | 75-1  | 213.65  | 211.17  | 211.60  | 212.14     | 0.63    | ppb   |
| Barium     | 135-1 | 103.04  | 104.70  | 102.38  | 103.37     | 1.16    | ppb   |
| Barium     | 137-1 | 104.20  | 104.21  | 102.98  | 103.80     | 0.68    | ppb   |
| Beryllium  | 9-1   | 102.17  | 101.36  | 100.98  | 101.51     | 0.60    | ppb   |
| Bismuth    | 209-1 |         |         |         | 104        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | 0.85    | 0.49    | 0.67    | 0.67       | 27.03   | ppb   |
| Boron      | 11-1  | 0.85    | 0.68    | 0.87    | 0.80       | 12.92   | ppb   |
| Cadmium    | 111-1 | 106.05  | 103.95  | 103.96  | 104.65     | 1.15    | ppb   |
| Cadmium    | 106-1 | 83.23   | 82.36   | 80.03   | 81.87      | 2.02    | ppb   |
| Cadmium    | 108-1 | 87.82   | 88.22   | 88.34   | 88.13      | 0.31    | ppb   |
| Calcium    | 43-1  | 1989.74 | 1974.83 | 1923.85 | 1962.81    | 1.76    | ppb   |
| Calcium    | 44-1  | 1942.90 | 1956.12 | 1954.19 | 1951.07    | 0.37    | ppb   |
| Chromium   | 52-2  | 102.49  | 102.60  | 101.35  | 102.15     | 0.68    | ppb   |
| Cobalt     | 59-2  | 105.75  | 106.15  | 105.10  | 105.66     | 0.50    | ppb   |
| Copper     | 63-2  | 101.65  | 101.45  | 100.98  | 101.36     | 0.34    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 103        |         | %     |
| Holmium    | 165-2 |         |         |         | 101        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 97         |         | %     |
| Iron       | 56-2  | 1054.83 | 1058.39 | 1045.73 | 1052.98    | 0.62    | ppb   |
| Iron       | 57-2  | 1061.36 | 1051.83 | 1067.34 | 1060.18    | 0.74    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 204.44  | 203.04  | 200.57  | 202.68     | 0.97    | ppb   |
| Lead       | 207-1 | 195.73  | 194.83  | 193.34  | 194.63     | 0.62    | ppb   |
| Lead       | 208-1 | 198.75  | 197.16  | 195.28  | 197.06     | 0.88    | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 1254.04 | 1254.55 | 1245.47 | 1251.36    | 0.41    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 12:10:59 | DataFile Name :   | 016ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 100.36  | 99.33   | 99.23   | 99.64      | 0.63    | ppb   |
| Molybdenum | 94-1  | 0.04    | 0.02    | 0.02    | 0.03       | 44.86   | ppb   |
| Molybdenum | 95-1  | 0.01    | 0.01    | 0.02    | 0.01       | 49.80   | ppb   |
| Molybdenum | 96-1  | 0.03    | 0.03    | 0.01    | 0.03       | 41.29   | ppb   |
| Molybdenum | 97-1  | 0.03    | 0.02    | 0.03    | 0.03       | 27.33   | ppb   |
| Molybdenum | 98-1  | 0.02    | 0.02    | 0.02    | 0.02       | 4.67    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 108.83  | 108.96  | 107.31  | 108.37     | 0.84    | ppb   |
| Phosphorus | 31-2  | -27.42  | -20.69  | -32.09  | -26.73     |         | ppb   |
| Potassium  | 39-2  | 1983.46 | 2019.18 | 1962.59 | 1988.41    | 1.44    | ppb   |
| Rhodium    | 103-1 |         |         |         | 98         |         | %     |
| Rhodium    | 103-2 |         |         |         | 97         |         | %     |
| Scandium   | 45-1  |         |         |         | 97         |         | %     |
| Scandium   | 45-2  |         |         |         | 98         |         | %     |
| Selenium   | 77-2  | 209.23  | 217.71  | 233.51  | 220.15     | 5.60    | ppb   |
| Selenium   | 78-2  | 222.44  | 214.47  | 218.29  | 218.40     | 1.82    | ppb   |
| Selenium   | 82-1  | 215.46  | 213.52  | 214.78  | 214.58     | 0.46    | ppb   |
| Silicon    | 28-1  | 0.05    | -0.46   | -0.07   | -0.16      |         | ppb   |
| Silver     | 109-1 | 108.61  | 107.90  | 107.95  | 108.15     | 0.36    | ppb   |
| Silver     | 107-1 | 108.98  | 107.38  | 107.36  | 107.91     | 0.86    | ppb   |
| Sodium     | 23-2  | 2004.52 | 2011.30 | 1986.48 | 2000.77    | 0.64    | ppb   |
| Strontium  | 86-1  | 2.41    | 2.20    | 2.34    | 2.32       | 4.50    | ppb   |
| Strontium  | 88-1  | 2.25    | 2.34    | 2.30    | 2.30       | 1.82    | ppb   |
| Sulfur     | 34-1  | -353.55 | -282.39 | -246.13 | -294.02    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 104        |         | %     |
| Terbium    | 159-2 |         |         |         | 99         |         | %     |
| Thallium   | 203-1 | 200.02  | 200.68  | 199.53  | 200.08     | 0.29    | ppb   |
| Thallium   | 205-1 | 200.76  | 200.84  | 197.72  | 199.77     | 0.89    | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.00    | 0.00       | 46.12   | ppb   |
| Tin        | 118-1 | 0.02    | 0.01    | 0.01    | 0.02       | 34.29   | ppb   |
| Titanium   | 47-1  | 0.03    | 0.01    | 0.03    | 0.02       | 50.11   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 103.56  | 102.57  | 100.92  | 102.35     | 1.30    | ppb   |
| Yttrium    | 89-1  |         |         |         | 99         |         | %     |
| Yttrium    | 89-2  |         |         |         | 98         |         | %     |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 12:10:59 | DataFile Name :   | 016ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 199.84  | 200.39  | 200.98  | 200.40     | 0.28    | ppb   |
| Zirconium | 90-1 | 0.00    | 0.01    | 0.00    | 0.00       | 152.35  | ppb   |
| Zirconium | 91-1 | 0.10    | 0.13    | 0.07    | 0.10       | 31.01   | ppb   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 12:14:36 DataFile Name : 017CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.14   | 0.07    | -0.03   | -0.03      |         | ppb   |
| Antimony   | 121-1 | 0.15    | 0.16    | 0.21    | 0.17       | 17.99   | ppb   |
| Arsenic    | 75-1  | 0.03    | -0.01   | -0.01   | 0.00       | 453.17  | ppb   |
| Barium     | 135-1 | -0.01   | 0.01    | 0.00    | 0.00       | 629.67  | ppb   |
| Barium     | 137-1 | 0.01    | 0.00    | 0.00    | 0.00       | 189.01  | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.01    | 0.02    | 0.02       | 35.81   | ppb   |
| Bismuth    | 209-1 |         |         |         | 104        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | 0.85    | 0.39    | 0.80    | 0.68       | 37.04   | ppb   |
| Boron      | 11-1  | 0.40    | 0.48    | 0.58    | 0.49       | 19.28   | ppb   |
| Cadmium    | 111-1 | -0.25   | -0.22   | -0.20   | -0.22      |         | ppb   |
| Cadmium    | 106-1 | -3.59   | -2.98   | -2.84   | -3.14      |         | ppb   |
| Cadmium    | 108-1 | -0.04   | -0.04   | 0.02    | -0.02      |         | ppb   |
| Calcium    | 43-1  | -1.52   | 0.73    | 0.72    | -0.02      |         | ppb   |
| Calcium    | 44-1  | 0.32    | -0.59   | 0.52    | 0.08       | 703.31  | ppb   |
| Chromium   | 52-2  | 0.00    | 0.00    | -0.04   | -0.01      |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.01    | 0.00    | 0.00       | 92.53   | ppb   |
| Copper     | 63-2  | -0.02   | 0.02    | -0.02   | -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 |         |         |         | 102        |         | %     |
| Holmium    | 165-2 |         |         |         | 100        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 98         |         | %     |
| Iron       | 56-2  | 0.03    | -0.10   | 0.02    | -0.02      |         | ppb   |
| Iron       | 57-2  | -1.40   | -0.17   | -0.66   | -0.75      |         | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.02    | 0.01    | 0.03    | 0.02       | 43.53   | ppb   |
| Lead       | 207-1 | 0.01    | 0.01    | 0.01    | 0.01       | 33.78   | ppb   |
| Lead       | 208-1 | 0.01    | 0.01    | 0.01    | 0.01       | 21.61   | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 0.11    | -0.10   | -0.05   | -0.01      |         | ppb   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 12:14:36 DataFile Name : 017CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |
| Molybdenum | 94-1  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Molybdenum | 95-1  | -0.01   | -0.01   | 0.00    | 0.00       |         | ppb   |
| Molybdenum | 96-1  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Molybdenum | 97-1  | 0.01    | 0.01    | 0.01    | 0.01       | 35.19   | ppb   |
| Molybdenum | 98-1  | 0.00    | 0.01    | 0.00    | 0.00       | 146.52  | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.01   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Phosphorus | 31-2  | -23.55  | -24.16  | -45.22  | -30.98     |         | ppb   |
| Potassium  | 39-2  | -5.00   | -6.25   | -5.16   | -5.47      |         | ppb   |
| Rhodium    | 103-1 |         |         |         | 98         |         | %     |
| Rhodium    | 103-2 |         |         |         | 97         |         | %     |
| Scandium   | 45-1  |         |         |         | 97         |         | %     |
| Scandium   | 45-2  |         |         |         | 99         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.47    | 0.00    | 0.16       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.41   | -0.11   | 0.04    | -0.16      |         | ppb   |
| Selenium   | 82-1  | 0.29    | -0.26   | 0.23    | 0.09       | 341.07  | ppb   |
| Silicon    | 28-1  | -0.80   | -1.23   | -0.93   | -0.99      |         | ppb   |
| Silver     | 109-1 | 0.01    | 0.01    | 0.01    | 0.01       | 33.39   | ppb   |
| Silver     | 107-1 | 0.00    | 0.01    | 0.01    | 0.01       | 54.13   | ppb   |
| Sodium     | 23-2  | -1.13   | -0.92   | -1.23   | -1.09      |         | ppb   |
| Strontium  | 86-1  | 0.03    | -0.02   | -0.01   | 0.00       | 1296.82 | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 3580.63 | ppb   |
| Sulfur     | 34-1  | -117.16 | -108.59 | -233.70 | -153.15    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 103        |         | %     |
| Terbium    | 159-2 |         |         |         | 99         |         | %     |
| Thallium   | 203-1 | 0.06    | 0.04    | 0.05    | 0.05       | 17.71   | ppb   |
| Thallium   | 205-1 | 0.06    | 0.05    | 0.05    | 0.05       | 11.06   | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.00    | 0.00       | 94.49   | ppb   |
| Tin        | 118-1 | 0.01    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Titanium   | 47-1  | 0.01    | 0.04    | 0.03    | 0.03       | 68.38   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 165.83  | ppb   |
| Yttrium    | 89-1  |         |         |         | 99         |         | %     |
| Yttrium    | 89-2  |         |         |         | 98         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:14:36 | DataFile Name :   | 017CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.02   | -0.01   | -0.02   | -0.02      |         | ppb   |
| Zirconium | 90-1 | 0.00    | 0.01    | 0.00    | 0.01       | 119.95  | ppb   |
| Zirconium | 91-1 | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P7  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 12:23:50 DataFile Name : 018ICSA01.d

| Parameter  | Mass  | ConRep1  | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 85912.34 | 90425.43  | 89936.76  | 88758.18   | 2.79    | ppb   |
| Antimony   | 121-1 | 1.23     | 1.22      | 1.21      | 1.22       | 1.05    | ppb   |
| Arsenic    | 75-1  | 1.19     | 1.41      | 1.31      | 1.30       | 8.39    | ppb   |
| Barium     | 135-1 | 1.45     | 1.67      | 1.52      | 1.55       | 7.30    | ppb   |
| Barium     | 137-1 | 1.62     | 1.55      | 1.49      | 1.56       | 4.24    | ppb   |
| Beryllium  | 9-1   | 0.31     | 0.30      | 0.29      | 0.30       | 4.69    | ppb   |
| Bismuth    | 209-1 |          |           |           | 97         |         | %     |
| Bismuth    | 209-2 |          |           |           | 93         |         | %     |
| Boron      | 10-1  | 0.68     | 0.84      | 0.44      | 0.65       | 30.96   | ppb   |
| Boron      | 11-1  | 1.27     | 1.24      | 1.38      | 1.29       | 5.97    | ppb   |
| Cadmium    | 111-1 | 0.15     | 0.15      | 0.12      | 0.14       | 13.63   | ppb   |
| Cadmium    | 106-1 | -5.59    | -5.07     | -5.83     | -5.49      |         | ppb   |
| Cadmium    | 108-1 | 15.09    | 15.25     | 15.12     | 15.15      | 0.54    | ppb   |
| Calcium    | 43-1  | 99628.72 | 99657.49  | 98337.46  | 99207.89   | 0.76    | ppb   |
| Calcium    | 44-1  | 99998.15 | 99354.17  | 98120.51  | 99157.61   | 0.96    | ppb   |
| Chromium   | 52-2  | 19.40    | 20.27     | 20.34     | 20.00      | 2.62    | ppb   |
| Cobalt     | 59-2  | 1.19     | 1.24      | 1.22      | 1.22       | 2.27    | ppb   |
| Copper     | 63-2  | 7.07     | 7.74      | 7.61      | 7.48       | 4.79    | 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 |          |           |           | 91         |         | %     |
| Indium     | 115-2 |          |           |           | 90         |         | %     |
| Iron       | 56-2  | 97731.45 | 102777.78 | 101929.17 | 100812.80  | 2.68    | ppb   |
| Iron       | 57-2  | 98508.18 | 103102.09 | 103064.08 | 101558.12  | 2.60    | ppb   |
| Krypton    | 83-1  |          |           |           |            |         | cps   |
| Lead       | 206-1 | 4.80     | 4.93      | 5.00      | 4.91       | 2.01    | ppb   |
| Lead       | 207-1 | 4.20     | 4.20      | 4.26      | 4.22       | 0.87    | ppb   |
| Lead       | 208-1 | 4.49     | 4.48      | 4.49      | 4.48       | 0.15    | ppb   |
| Lithium    | 6-1   |          |           |           | 90         |         | %     |
| Magnesium  | 24-2  | 99990.99 | 104681.41 | 104086.36 | 102919.59  | 2.48    | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB102879            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-05-20 12:23:50 | DataFile Name :   | 018ICSA01.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 7.67      | 8.26      | 8.28      | 8.07       | 4.32    | ppb   |
| Molybdenum | 94-1  | 1401.99   | 1379.81   | 1388.07   | 1389.96    | 0.81    | ppb   |
| Molybdenum | 95-1  | 2045.66   | 2029.74   | 2029.50   | 2034.96    | 0.46    | ppb   |
| Molybdenum | 96-1  | 1969.22   | 1948.65   | 1949.67   | 1955.85    | 0.59    | ppb   |
| Molybdenum | 97-1  | 2034.02   | 2006.50   | 1995.51   | 2012.01    | 0.99    | ppb   |
| Molybdenum | 98-1  | 2048.95   | 2027.37   | 2033.30   | 2036.54    | 0.55    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 5.22      | 5.66      | 5.80      | 5.56       | 5.41    | ppb   |
| Phosphorus | 31-2  | 98265.64  | 102090.59 | 101638.42 | 100664.88  | 2.08    | ppb   |
| Potassium  | 39-2  | 93628.17  | 99470.06  | 99014.22  | 97370.82   | 3.34    | ppb   |
| Rhodium    | 103-1 |           |           |           | 84         |         | %     |
| Rhodium    | 103-2 |           |           |           | 87         |         | %     |
| Scandium   | 45-1  |           |           |           | 88         |         | %     |
| Scandium   | 45-2  |           |           |           | 92         |         | %     |
| Selenium   | 77-2  | 0.49      | 0.00      | 0.51      | 0.33       | 86.67   | ppb   |
| Selenium   | 78-2  | -0.06     | -0.38     | 0.78      | 0.11       | 543.83  | ppb   |
| Selenium   | 82-1  | 0.44      | -0.27     | 0.23      | 0.14       | 266.59  | ppb   |
| Silicon    | 28-1  | 20.27     | 19.61     | 19.40     | 19.76      | 2.28    | ppb   |
| Silver     | 109-1 | 0.03      | 0.05      | 0.05      | 0.04       | 28.07   | ppb   |
| Silver     | 107-1 | 0.04      | 0.04      | 0.06      | 0.04       | 25.91   | ppb   |
| Sodium     | 23-2  | 95723.56  | 100797.25 | 100912.49 | 99144.43   | 2.99    | ppb   |
| Strontium  | 86-1  | 35.05     | 35.60     | 35.88     | 35.51      | 1.18    | ppb   |
| Strontium  | 88-1  | 35.35     | 35.24     | 35.22     | 35.27      | 0.19    | ppb   |
| Sulfur     | 34-1  | 104951.11 | 105193.49 | 103281.13 | 104475.24  | 1.00    | ppb   |
| Terbium    | 159-1 |           |           |           | 102        |         | %     |
| Terbium    | 159-2 |           |           |           | 99         |         | %     |
| Thallium   | 203-1 | 0.07      | 0.08      | 0.08      | 0.08       | 9.86    | ppb   |
| Thallium   | 205-1 | 0.11      | 0.10      | 0.08      | 0.10       | 10.91   | ppb   |
| Thorium    | 232-1 | 0.00      | 0.01      | 0.01      | 0.01       | 32.16   | ppb   |
| Tin        | 118-1 | 0.18      | 0.17      | 0.18      | 0.17       | 5.29    | ppb   |
| Titanium   | 47-1  | 2111.36   | 2119.14   | 2079.57   | 2103.35    | 1.00    | ppb   |
| Uranium    | 238-1 | 0.02      | 0.01      | 0.02      | 0.02       | 17.41   | ppb   |
| Vanadium   | 51-2  | 0.15      | 0.18      | 0.17      | 0.17       | 7.96    | ppb   |
| Yttrium    | 89-1  |           |           |           | 92         |         | %     |
| Yttrium    | 89-2  |           |           |           | 93         |         | %     |



|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB102879            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-05-20 12:23:50 | DataFile Name :   | 018ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 10.55   | 11.31   | 10.86   | 10.91      | 3.53    | ppb   |
| Zirconium | 90-1 | 0.02    | 0.02    | 0.02    | 0.02       | 1.62    | ppb   |
| Zirconium | 91-1 | -0.01   | 0.02    | 0.00    | 0.01       | 245.94  | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:36:28 | DataFile Name :   | 021ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 90000.12  | 89840.94  | 90220.76  | 90020.61   | 0.21    | ppb   |
| Antimony   | 121-1 | 21.77     | 21.62     | 21.71     | 21.70      | 0.36    | ppb   |
| Arsenic    | 75-1  | 21.35     | 21.62     | 21.65     | 21.54      | 0.76    | ppb   |
| Barium     | 135-1 | 22.57     | 21.96     | 21.62     | 22.05      | 2.18    | ppb   |
| Barium     | 137-1 | 22.00     | 22.23     | 21.54     | 21.92      | 1.58    | ppb   |
| Beryllium  | 9-1   | 20.55     | 20.51     | 20.14     | 20.40      | 1.10    | ppb   |
| Bismuth    | 209-1 |           |           |           | 99         |         | %     |
| Bismuth    | 209-2 |           |           |           | 91         |         | %     |
| Boron      | 10-1  | 13.10     | 13.40     | 10.78     | 12.43      | 11.52   | ppb   |
| Boron      | 11-1  | 13.08     | 11.48     | 10.81     | 11.79      | 9.89    | ppb   |
| Cadmium    | 111-1 | 19.38     | 19.06     | 18.93     | 19.13      | 1.21    | ppb   |
| Cadmium    | 106-1 | 9.08      | 11.39     | 9.98      | 10.15      | 11.50   | ppb   |
| Cadmium    | 108-1 | 30.77     | 30.86     | 29.17     | 30.27      | 3.13    | ppb   |
| Calcium    | 43-1  | 98235.57  | 97601.24  | 97822.54  | 97886.45   | 0.33    | ppb   |
| Calcium    | 44-1  | 97943.98  | 98325.03  | 98155.43  | 98141.48   | 0.19    | ppb   |
| Chromium   | 52-2  | 40.92     | 40.30     | 40.93     | 40.72      | 0.88    | ppb   |
| Cobalt     | 59-2  | 21.88     | 22.00     | 22.13     | 22.00      | 0.57    | ppb   |
| Copper     | 63-2  | 26.36     | 27.00     | 26.68     | 26.68      | 1.20    | 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 |           |           |           | 99         |         | %     |
| Indium     | 115-1 |           |           |           | 93         |         | %     |
| Indium     | 115-2 |           |           |           | 89         |         | %     |
| Iron       | 56-2  | 102475.26 | 102817.47 | 103231.19 | 102841.31  | 0.37    | ppb   |
| Iron       | 57-2  | 102592.74 | 102736.84 | 102955.82 | 102761.80  | 0.18    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 26.01     | 26.18     | 25.94     | 26.04      | 0.46    | ppb   |
| Lead       | 207-1 | 23.95     | 23.74     | 23.66     | 23.78      | 0.63    | ppb   |
| Lead       | 208-1 | 24.53     | 24.80     | 24.45     | 24.60      | 0.75    | ppb   |
| Lithium    | 6-1   |           |           |           | 89         |         | %     |
| Magnesium  | 24-2  | 104249.76 | 104494.15 | 104955.71 | 104566.54  | 0.34    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:36:28 | DataFile Name :   | 021ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 28.26     | 28.21     | 28.43     | 28.30      | 0.40    | ppb   |
| Molybdenum | 94-1  | 1366.46   | 1357.13   | 1347.07   | 1356.89    | 0.71    | ppb   |
| Molybdenum | 95-1  | 1999.86   | 1998.12   | 1985.60   | 1994.53    | 0.39    | ppb   |
| Molybdenum | 96-1  | 1928.18   | 1912.27   | 1905.12   | 1915.19    | 0.62    | ppb   |
| Molybdenum | 97-1  | 1964.55   | 1967.69   | 1957.46   | 1963.23    | 0.27    | ppb   |
| Molybdenum | 98-1  | 1989.59   | 1981.89   | 1974.54   | 1982.00    | 0.38    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 25.43     | 25.87     | 26.23     | 25.85      | 1.55    | ppb   |
| Phosphorus | 31-2  | 102122.43 | 101449.33 | 102126.44 | 101899.40  | 0.38    | ppb   |
| Potassium  | 39-2  | 98825.36  | 98935.46  | 99578.41  | 99113.08   | 0.41    | ppb   |
| Rhodium    | 103-1 |           |           |           | 84         |         | %     |
| Rhodium    | 103-2 |           |           |           | 85         |         | %     |
| Scandium   | 45-1  |           |           |           | 88         |         | %     |
| Scandium   | 45-2  |           |           |           | 89         |         | %     |
| Selenium   | 77-2  | 21.99     | 20.55     | 17.49     | 20.01      | 11.47   | ppb   |
| Selenium   | 78-2  | 18.37     | 20.06     | 20.76     | 19.73      | 6.22    | ppb   |
| Selenium   | 82-1  | 19.63     | 20.67     | 20.47     | 20.26      | 2.73    | ppb   |
| Silicon    | 28-1  | 26.83     | 26.01     | 25.97     | 26.27      | 1.85    | ppb   |
| Silver     | 109-1 | 18.83     | 18.57     | 18.72     | 18.71      | 0.69    | ppb   |
| Silver     | 107-1 | 18.92     | 18.75     | 18.90     | 18.86      | 0.49    | ppb   |
| Sodium     | 23-2  | 101189.03 | 101036.76 | 101142.56 | 101122.78  | 0.08    | ppb   |
| Strontium  | 86-1  | 34.33     | 34.89     | 33.77     | 34.33      | 1.63    | ppb   |
| Strontium  | 88-1  | 34.41     | 34.41     | 34.09     | 34.30      | 0.55    | ppb   |
| Sulfur     | 34-1  | 102446.79 | 102074.95 | 102045.94 | 102189.23  | 0.22    | ppb   |
| Terbium    | 159-1 |           |           |           | 104        |         | %     |
| Terbium    | 159-2 |           |           |           | 97         |         | %     |
| Thallium   | 203-1 | 20.87     | 21.24     | 20.33     | 20.82      | 2.22    | ppb   |
| Thallium   | 205-1 | 20.82     | 21.18     | 20.78     | 20.93      | 1.05    | ppb   |
| Thorium    | 232-1 | 0.07      | 0.05      | 0.04      | 0.05       | 25.37   | ppb   |
| Tin        | 118-1 | 0.31      | 0.27      | 0.23      | 0.27       | 14.19   | ppb   |
| Titanium   | 47-1  | 2083.59   | 2061.06   | 2065.43   | 2070.03    | 0.58    | ppb   |
| Uranium    | 238-1 | 0.05      | 0.03      | 0.03      | 0.04       | 25.49   | ppb   |
| Vanadium   | 51-2  | 20.76     | 20.66     | 20.20     | 20.54      | 1.46    | ppb   |
| Yttrium    | 89-1  |           |           |           | 94         |         | %     |
| Yttrium    | 89-2  |           |           |           | 91         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:36:28 | DataFile Name :   | 021ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 30.57   | 30.26   | 30.98   | 30.60      | 1.18    | ppb   |
| Zirconium | 90-1 | 0.08    | 0.07    | 0.05    | 0.07       | 22.11   | ppb   |
| Zirconium | 91-1 | 0.08    | 0.09    | 0.02    | 0.06       | 64.83   | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV94               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV94               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 12:40:42 | DataFile Name :   | 022CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 52788.43  | 52783.84  | 53122.94  | 52898.40   | 0.37    | ppb   |
| Antimony   | 121-1 | 483.61    | 482.64    | 484.84    | 483.70     | 0.23    | ppb   |
| Arsenic    | 75-1  | 478.47    | 480.45    | 482.40    | 480.44     | 0.41    | ppb   |
| Barium     | 135-1 | 2495.46   | 2503.56   | 2490.61   | 2496.54    | 0.26    | ppb   |
| Barium     | 137-1 | 2517.54   | 2523.19   | 2515.41   | 2518.71    | 0.16    | ppb   |
| Beryllium  | 9-1   | 489.86    | 489.04    | 489.04    | 489.31     | 0.10    | ppb   |
| Bismuth    | 209-1 |           |           |           | 95         |         | %     |
| Bismuth    | 209-2 |           |           |           | 89         |         | %     |
| Boron      | 10-1  | 485.30    | 485.98    | 485.17    | 485.48     | 0.09    | ppb   |
| Boron      | 11-1  | 485.84    | 491.19    | 491.41    | 489.48     | 0.64    | ppb   |
| Cadmium    | 111-1 | 457.99    | 462.12    | 458.61    | 459.57     | 0.49    | ppb   |
| Cadmium    | 106-1 | 459.03    | 476.86    | 463.01    | 466.30     | 2.01    | ppb   |
| Cadmium    | 108-1 | 463.12    | 469.15    | 463.56    | 465.28     | 0.72    | ppb   |
| Calcium    | 43-1  | 238275.79 | 242891.84 | 241682.65 | 240950.09  | 0.99    | ppb   |
| Calcium    | 44-1  | 238575.78 | 241729.01 | 240501.48 | 240268.76  | 0.66    | ppb   |
| Chromium   | 52-2  | 496.47    | 491.03    | 498.61    | 495.37     | 0.79    | ppb   |
| Cobalt     | 59-2  | 488.83    | 489.65    | 493.61    | 490.70     | 0.52    | ppb   |
| Copper     | 63-2  | 977.22    | 981.52    | 993.16    | 983.97     | 0.84    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 104        |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 92         |         | %     |
| Indium     | 115-2 |           |           |           | 88         |         | %     |
| Iron       | 56-2  | 125834.80 | 125975.73 | 127678.67 | 126496.40  | 0.81    | ppb   |
| Iron       | 57-2  | 126373.99 | 126322.42 | 126894.01 | 126530.14  | 0.25    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 511.46    | 511.57    | 500.96    | 508.00     | 1.20    | ppb   |
| Lead       | 207-1 | 511.50    | 515.32    | 502.54    | 509.79     | 1.29    | ppb   |
| Lead       | 208-1 | 514.72    | 514.52    | 504.45    | 511.23     | 1.15    | ppb   |
| Lithium    | 6-1   |           |           |           | 91         |         | %     |
| Magnesium  | 24-2  | 252287.18 | 252149.58 | 255830.88 | 253422.55  | 0.82    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV94               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV94               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 12:40:42 | DataFile Name :   | 022CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 980.82    | 976.04    | 985.44    | 980.77     | 0.48    | ppb   |
| Molybdenum | 94-1  | 2502.07   | 2515.62   | 2526.19   | 2514.63    | 0.48    | ppb   |
| Molybdenum | 95-1  | 2496.53   | 2505.10   | 2489.74   | 2497.12    | 0.31    | ppb   |
| Molybdenum | 96-1  | 2499.08   | 2506.08   | 2504.76   | 2503.31    | 0.15    | ppb   |
| Molybdenum | 97-1  | 2465.97   | 2469.73   | 2487.03   | 2474.24    | 0.45    | ppb   |
| Molybdenum | 98-1  | 2482.91   | 2502.50   | 2509.27   | 2498.23    | 0.55    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 480.06    | 474.79    | 485.18    | 480.01     | 1.08    | ppb   |
| Phosphorus | 31-2  | 10216.11  | 9751.31   | 10150.28  | 10039.23   | 2.51    | ppb   |
| Potassium  | 39-2  | 124849.87 | 125123.21 | 126294.22 | 125422.43  | 0.61    | ppb   |
| Rhodium    | 103-1 |           |           |           | 83         |         | %     |
| Rhodium    | 103-2 |           |           |           | 84         |         | %     |
| Scandium   | 45-1  |           |           |           | 89         |         | %     |
| Scandium   | 45-2  |           |           |           | 92         |         | %     |
| Selenium   | 77-2  | 469.92    | 468.05    | 470.37    | 469.45     | 0.26    | ppb   |
| Selenium   | 78-2  | 467.38    | 474.98    | 463.85    | 468.74     | 1.21    | ppb   |
| Selenium   | 82-1  | 456.35    | 460.08    | 463.05    | 459.83     | 0.73    | ppb   |
| Silicon    | 28-1  | 630.89    | 667.53    | 674.54    | 657.65     | 3.56    | ppb   |
| Silver     | 109-1 | 458.58    | 458.90    | 462.05    | 459.84     | 0.42    | ppb   |
| Silver     | 107-1 | 456.62    | 462.18    | 457.29    | 458.70     | 0.66    | ppb   |
| Sodium     | 23-2  | 246205.88 | 246938.12 | 252436.84 | 248526.95  | 1.37    | ppb   |
| Strontium  | 86-1  | 496.29    | 495.96    | 504.32    | 498.85     | 0.95    | ppb   |
| Strontium  | 88-1  | 499.86    | 504.39    | 503.24    | 502.50     | 0.47    | ppb   |
| Sulfur     | 34-1  | 9553.71   | 9909.39   | 9774.51   | 9745.87    | 1.84    | ppb   |
| Terbium    | 159-1 |           |           |           | 103        |         | %     |
| Terbium    | 159-2 |           |           |           | 97         |         | %     |
| Thallium   | 203-1 | 515.35    | 514.68    | 502.30    | 510.78     | 1.44    | ppb   |
| Thallium   | 205-1 | 518.57    | 522.88    | 512.21    | 517.89     | 1.04    | ppb   |
| Thorium    | 232-1 | 524.69    | 528.74    | 517.87    | 523.77     | 1.05    | ppb   |
| Tin        | 118-1 | 493.99    | 494.36    | 495.98    | 494.78     | 0.21    | ppb   |
| Titanium   | 47-1  | 2496.52   | 2510.73   | 2497.18   | 2501.48    | 0.32    | ppb   |
| Uranium    | 238-1 | 523.64    | 521.01    | 513.40    | 519.35     | 1.02    | ppb   |
| Vanadium   | 51-2  | 504.57    | 501.28    | 507.54    | 504.46     | 0.62    | ppb   |
| Yttrium    | 89-1  |           |           |           | 94         |         | %     |
| Yttrium    | 89-2  |           |           |           | 92         |         | %     |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV94               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV94               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 12:40:42 | DataFile Name :   | 022CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 967.04  | 975.65  | 977.15  | 973.28     | 0.56    | ppb   |
| Zirconium | 90-1 | 504.88  | 507.67  | 509.91  | 507.49     | 0.50    | ppb   |
| Zirconium | 91-1 | 495.32  | 499.04  | 502.68  | 499.01     | 0.74    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB94               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB94               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:44:19 | DataFile Name :   | 023CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.98    | 0.87    | 0.78    | 0.88       | 11.55   | ppb   |
| Antimony   | 121-1 | 0.44    | 0.44    | 0.49    | 0.46       | 6.78    | ppb   |
| Arsenic    | 75-1  | 0.13    | 0.14    | 0.11    | 0.13       | 11.46   | ppb   |
| Barium     | 135-1 | 0.14    | 0.03    | 0.04    | 0.07       | 90.41   | ppb   |
| Barium     | 137-1 | 0.15    | 0.07    | 0.06    | 0.09       | 50.93   | ppb   |
| Beryllium  | 9-1   | 0.09    | 0.10    | 0.06    | 0.08       | 21.81   | ppb   |
| Bismuth    | 209-1 |         |         |         | 111        |         | %     |
| Bismuth    | 209-2 |         |         |         | 103        |         | %     |
| Boron      | 10-1  | 15.66   | 13.90   | 13.40   | 14.32      | 8.28    | ppb   |
| Boron      | 11-1  | 15.90   | 14.46   | 13.77   | 14.71      | 7.41    | ppb   |
| Cadmium    | 111-1 | -0.13   | -0.27   | -0.22   | -0.21      |         | ppb   |
| Cadmium    | 106-1 | -2.87   | -4.27   | -3.32   | -3.49      |         | ppb   |
| Cadmium    | 108-1 | -0.02   | 0.04    | 0.07    | 0.03       | 136.85  | ppb   |
| Calcium    | 43-1  | 9.94    | 7.83    | 6.73    | 8.17       | 19.96   | ppb   |
| Calcium    | 44-1  | 12.81   | 7.94    | 5.74    | 8.83       | 40.98   | ppb   |
| Chromium   | 52-2  | -0.03   | 0.03    | 0.01    | 0.00       | 4088.39 | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 161.76  | ppb   |
| Copper     | 63-2  | 0.09    | 0.06    | 0.06    | 0.07       | 22.80   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 110        |         | %     |
| Holmium    | 165-2 |         |         |         | 104        |         | %     |
| Indium     | 115-1 |         |         |         | 106        |         | %     |
| Indium     | 115-2 |         |         |         | 101        |         | %     |
| Iron       | 56-2  | 2.33    | 1.87    | 1.72    | 1.97       | 16.22   | ppb   |
| Iron       | 57-2  | 0.77    | 2.20    | 0.65    | 1.21       | 71.15   | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.07    | 0.05    | 0.05    | 0.05       | 22.22   | ppb   |
| Lead       | 207-1 | 0.04    | 0.05    | 0.05    | 0.05       | 7.54    | ppb   |
| Lead       | 208-1 | 0.06    | 0.05    | 0.05    | 0.05       | 8.78    | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 3.37    | 2.21    | 1.85    | 2.48       | 31.92   | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB94               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB94               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:44:19 | DataFile Name :   | 023CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.01    | 0.03    | 0.00    | 0.01       | 80.31   | ppb   |
| Molybdenum | 94-1  | 0.72    | 0.59    | 0.54    | 0.62       | 15.14   | ppb   |
| Molybdenum | 95-1  | 0.89    | 0.77    | 0.70    | 0.79       | 11.94   | ppb   |
| Molybdenum | 96-1  | 0.86    | 0.71    | 0.68    | 0.75       | 13.00   | ppb   |
| Molybdenum | 97-1  | 0.89    | 0.80    | 0.73    | 0.80       | 9.99    | ppb   |
| Molybdenum | 98-1  | 0.87    | 0.66    | 0.68    | 0.74       | 16.10   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.00    | -0.02   | 0.01    | -0.01      |         | ppb   |
| Phosphorus | 31-2  | -39.53  | -37.80  | -26.95  | -34.76     |         | ppb   |
| Potassium  | 39-2  | 0.92    | -0.34   | 0.05    | 0.21       | 312.06  | ppb   |
| Rhodium    | 103-1 |         |         |         | 103        |         | %     |
| Rhodium    | 103-2 |         |         |         | 101        |         | %     |
| Scandium   | 45-1  |         |         |         | 101        |         | %     |
| Scandium   | 45-2  |         |         |         | 102        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.08   | -0.78   | -0.47   | -0.45      |         | ppb   |
| Selenium   | 82-1  | 0.32    | -0.11   | 0.08    | 0.10       | 225.65  | ppb   |
| Silicon    | 28-1  | 4.23    | 3.25    | 2.28    | 3.25       | 29.85   | ppb   |
| Silver     | 109-1 | 0.05    | 0.02    | 0.04    | 0.04       | 31.52   | ppb   |
| Silver     | 107-1 | 0.04    | 0.04    | 0.03    | 0.04       | 13.67   | ppb   |
| Sodium     | 23-2  | 57.35   | 53.43   | 52.89   | 54.56      | 4.46    | ppb   |
| Strontium  | 86-1  | 0.00    | 0.00    | 0.03    | 0.01       | 209.75  | ppb   |
| Strontium  | 88-1  | 0.03    | 0.01    | 0.01    | 0.02       | 45.88   | ppb   |
| Sulfur     | 34-1  | -545.59 | -508.72 | -543.34 | -532.55    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 110        |         | %     |
| Terbium    | 159-2 |         |         |         | 103        |         | %     |
| Thallium   | 203-1 | 0.15    | 0.13    | 0.10    | 0.13       | 19.89   | ppb   |
| Thallium   | 205-1 | 0.14    | 0.12    | 0.11    | 0.12       | 11.38   | ppb   |
| Thorium    | 232-1 | 0.06    | 0.05    | 0.05    | 0.05       | 13.22   | ppb   |
| Tin        | 118-1 | 0.12    | 0.10    | 0.12    | 0.11       | 11.53   | ppb   |
| Titanium   | 47-1  | 0.14    | 0.13    | 0.08    | 0.12       | 26.30   | ppb   |
| Uranium    | 238-1 | 0.03    | 0.02    | 0.01    | 0.02       | 37.58   | ppb   |
| Vanadium   | 51-2  | 0.01    | 0.01    | 0.01    | 0.01       | 19.74   | ppb   |
| Yttrium    | 89-1  |         |         |         | 104        |         | %     |
| Yttrium    | 89-2  |         |         |         | 101        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB94               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB94               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:44:19 | DataFile Name :   | 023CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.13    | 0.05    | 0.04    | 0.08       | 64.58   | ppb   |
| Zirconium | 90-1 | 0.04    | 0.03    | 0.02    | 0.03       | 31.28   | ppb   |
| Zirconium | 91-1 | 0.03    | 0.03    | 0.03    | 0.03       | 5.35    | ppb   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : PB119879BL Instrumnet Name : P7  
 Client Sample ID : PB119879BL Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 13:06:17 DataFile Name : 027CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.04   | 0.06    | 0.15    | 0.06       | 178.60  | ppb   |
| Antimony   | 121-1 | 0.04    | 0.01    | 0.03    | 0.03       | 45.75   | ppb   |
| Arsenic    | 75-1  | 0.00    | 0.00    | -0.02   | 0.00       |         | ppb   |
| Barium     | 135-1 | -0.01   | 0.00    | 0.00    | 0.00       |         | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Beryllium  | 9-1   | 0.01    | 0.01    | 0.00    | 0.01       | 97.65   | ppb   |
| Bismuth    | 209-1 |         |         |         | 107        |         | %     |
| Bismuth    | 209-2 |         |         |         | 102        |         | %     |
| Boron      | 10-1  | 2.07    | 2.40    | 2.05    | 2.18       | 8.90    | ppb   |
| Boron      | 11-1  | 2.45    | 2.60    | 2.52    | 2.52       | 3.09    | ppb   |
| Cadmium    | 111-1 | -0.21   | -0.31   | -0.31   | -0.28      |         | ppb   |
| Cadmium    | 106-1 | -2.73   | -4.15   | -4.05   | -3.64      |         | ppb   |
| Cadmium    | 108-1 | 0.07    | -0.04   | -0.01   | 0.01       | 1173.01 | ppb   |
| Calcium    | 43-1  | 0.90    | -0.54   | -0.51   | -0.05      |         | ppb   |
| Calcium    | 44-1  | -0.38   | -0.72   | -1.06   | -0.72      |         | ppb   |
| Chromium   | 52-2  | -0.01   | -0.01   | 0.02    | 0.00       |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 572.50  | ppb   |
| Copper     | 63-2  | -0.02   | -0.02   | 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 |         |         |         | 107        |         | %     |
| Holmium    | 165-2 |         |         |         | 103        |         | %     |
| Indium     | 115-1 |         |         |         | 104        |         | %     |
| Indium     | 115-2 |         |         |         | 102        |         | %     |
| Iron       | 56-2  | 0.13    | 0.31    | 0.17    | 0.20       | 47.22   | ppb   |
| Iron       | 57-2  | -0.28   | -0.29   | 0.90    | 0.11       | 628.32  | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.01    | 0.00    | 0.00    | 0.00       | 192.44  | ppb   |
| Lead       | 207-1 | 0.01    | 0.01    | 0.00    | 0.01       | 51.44   | ppb   |
| Lead       | 208-1 | 0.01    | 0.01    | 0.00    | 0.00       | 62.16   | ppb   |
| Lithium    | 6-1   |         |         |         | 103        |         | %     |
| Magnesium  | 24-2  | 0.77    | 0.44    | 0.39    | 0.53       | 39.02   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:06:17 | DataFile Name :   | 027CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Molybdenum | 94-1  | 0.03    | 0.02    | 0.05    | 0.03       | 47.22   | ppb   |
| Molybdenum | 95-1  | 0.01    | 0.04    | 0.04    | 0.03       | 65.69   | ppb   |
| Molybdenum | 96-1  | 0.03    | 0.04    | 0.02    | 0.03       | 29.71   | ppb   |
| Molybdenum | 97-1  | 0.03    | 0.02    | 0.04    | 0.03       | 19.15   | ppb   |
| Molybdenum | 98-1  | 0.02    | 0.02    | 0.03    | 0.02       | 24.09   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.01    | -0.03   | -0.02   | -0.01      |         | ppb   |
| Phosphorus | 31-2  | -30.50  | -36.57  | -34.66  | -33.91     |         | ppb   |
| Potassium  | 39-2  | -3.22   | -1.73   | -3.36   | -2.77      |         | ppb   |
| Rhodium    | 103-1 |         |         |         | 103        |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 102        |         | %     |
| Scandium   | 45-2  |         |         |         | 105        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.19   | -0.19   | 0.32    | -0.02      |         | ppb   |
| Selenium   | 82-1  | -0.05   | -0.43   | -0.38   | -0.29      |         | ppb   |
| Silicon    | 28-1  | -1.59   | -1.58   | -0.90   | -1.36      |         | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.00    | 0.00       | 3986.46 | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.00    | 0.00       | 61.86   | ppb   |
| Sodium     | 23-2  | 3.02    | 4.12    | 2.32    | 3.15       | 28.86   | ppb   |
| Strontium  | 86-1  | -0.01   | -0.02   | 0.01    | 0.00       |         | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | 108.97  | ppb   |
| Sulfur     | 34-1  | 12.55   | 15.65   | 116.91  | 48.37      | 122.76  | ppb   |
| Terbium    | 159-1 |         |         |         | 107        |         | %     |
| Terbium    | 159-2 |         |         |         | 102        |         | %     |
| Thallium   | 203-1 | 0.02    | 0.02    | 0.02    | 0.02       | 10.39   | ppb   |
| Thallium   | 205-1 | 0.02    | 0.02    | 0.02    | 0.02       | 4.63    | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01    | 0.01    | 0.01       | 12.51   | ppb   |
| Tin        | 118-1 | 0.02    | 0.03    | 0.01    | 0.02       | 53.00   | ppb   |
| Titanium   | 47-1  | 0.00    | -0.02   | 0.00    | 0.00       |         | 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  |         |         |         | 104        |         | %     |
| Yttrium    | 89-2  |         |         |         | 102        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:06:17 | DataFile Name :   | 027CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.13   | 0.09    | -0.05   | -0.03      |         | ppb   |
| Zirconium | 90-1 | 0.01    | 0.00    | 0.00    | 0.00       | 156.23  | ppb   |
| Zirconium | 91-1 | 0.00    | -0.01   | 0.01    | 0.00       |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:09:53 | DataFile Name :   | 028LCS6.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9348.55  | 9215.34  | 9172.37  | 9245.42    | 0.99    | ppb   |
| Antimony   | 121-1 | 487.30   | 481.65   | 486.09   | 485.01     | 0.61    | ppb   |
| Arsenic    | 75-1  | 489.67   | 490.65   | 491.66   | 490.66     | 0.20    | ppb   |
| Barium     | 135-1 | 2415.33  | 2429.77  | 2435.24  | 2426.78    | 0.42    | ppb   |
| Barium     | 137-1 | 2464.90  | 2464.30  | 2476.69  | 2468.63    | 0.28    | ppb   |
| Beryllium  | 9-1   | 484.27   | 482.40   | 481.92   | 482.86     | 0.26    | ppb   |
| Bismuth    | 209-1 |          |          |          | 104        |         | %     |
| Bismuth    | 209-2 |          |          |          | 96         |         | %     |
| Boron      | 10-1  | 463.52   | 466.50   | 480.20   | 470.08     | 1.89    | ppb   |
| Boron      | 11-1  | 465.45   | 472.62   | 476.84   | 471.64     | 1.22    | ppb   |
| Cadmium    | 111-1 | 484.56   | 480.95   | 483.93   | 483.15     | 0.40    | ppb   |
| Cadmium    | 106-1 | 485.12   | 480.09   | 479.35   | 481.52     | 0.65    | ppb   |
| Cadmium    | 108-1 | 479.15   | 484.02   | 475.03   | 479.40     | 0.94    | ppb   |
| Calcium    | 43-1  | 47393.86 | 47134.34 | 47343.14 | 47290.45   | 0.29    | ppb   |
| Calcium    | 44-1  | 47191.17 | 47221.81 | 47761.48 | 47391.49   | 0.68    | ppb   |
| Chromium   | 52-2  | 492.33   | 487.86   | 486.33   | 488.84     | 0.64    | ppb   |
| Cobalt     | 59-2  | 497.28   | 493.35   | 491.21   | 493.95     | 0.62    | ppb   |
| Copper     | 63-2  | 942.50   | 922.87   | 925.46   | 930.28     | 1.15    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 107        |         | %     |
| Holmium    | 165-2 |          |          |          | 101        |         | %     |
| Indium     | 115-1 |          |          |          | 98         |         | %     |
| Indium     | 115-2 |          |          |          | 92         |         | %     |
| Iron       | 56-2  | 25265.46 | 24788.39 | 24894.05 | 24982.63   | 1.00    | ppb   |
| Iron       | 57-2  | 24805.00 | 24733.33 | 24704.74 | 24747.69   | 0.21    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 470.79   | 476.61   | 469.65   | 472.35     | 0.79    | ppb   |
| Lead       | 207-1 | 469.34   | 476.95   | 470.90   | 472.40     | 0.85    | ppb   |
| Lead       | 208-1 | 472.25   | 479.33   | 473.22   | 474.93     | 0.81    | ppb   |
| Lithium    | 6-1   |          |          |          | 96         |         | %     |
| Magnesium  | 24-2  | 51347.99 | 50856.97 | 50664.67 | 50956.54   | 0.69    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:09:53 | DataFile Name :   | 028LCS6.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 983.00   | 974.82   | 972.85   | 976.89     | 0.55    | ppb   |
| Molybdenum | 94-1  | 2396.60  | 2409.76  | 2418.95  | 2408.43    | 0.47    | ppb   |
| Molybdenum | 95-1  | 2419.69  | 2413.44  | 2420.72  | 2417.95    | 0.16    | ppb   |
| Molybdenum | 96-1  | 2411.30  | 2405.73  | 2418.43  | 2411.82    | 0.26    | ppb   |
| Molybdenum | 97-1  | 2370.41  | 2374.15  | 2365.14  | 2369.90    | 0.19    | ppb   |
| Molybdenum | 98-1  | 2383.38  | 2392.73  | 2408.85  | 2394.99    | 0.54    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 496.64   | 492.70   | 492.99   | 494.11     | 0.44    | ppb   |
| Phosphorus | 31-2  | 10195.77 | 9987.69  | 9903.69  | 10029.05   | 1.50    | ppb   |
| Potassium  | 39-2  | 23920.29 | 23604.82 | 23629.10 | 23718.07   | 0.74    | ppb   |
| Rhodium    | 103-1 |          |          |          | 92         |         | %     |
| Rhodium    | 103-2 |          |          |          | 91         |         | %     |
| Scandium   | 45-1  |          |          |          | 94         |         | %     |
| Scandium   | 45-2  |          |          |          | 95         |         | %     |
| Selenium   | 77-2  | 498.47   | 513.20   | 483.84   | 498.50     | 2.94    | ppb   |
| Selenium   | 78-2  | 510.99   | 502.09   | 487.61   | 500.23     | 2.36    | ppb   |
| Selenium   | 82-1  | 492.23   | 480.83   | 491.15   | 488.07     | 1.29    | ppb   |
| Silicon    | 28-1  | 496.51   | 503.30   | 504.94   | 501.58     | 0.89    | ppb   |
| Silver     | 109-1 | 484.54   | 481.03   | 485.46   | 483.68     | 0.48    | ppb   |
| Silver     | 107-1 | 484.00   | 484.16   | 478.78   | 482.31     | 0.63    | ppb   |
| Sodium     | 23-2  | 49027.22 | 48620.75 | 48312.51 | 48653.49   | 0.74    | ppb   |
| Strontium  | 86-1  | 479.04   | 471.76   | 477.26   | 476.02     | 0.80    | ppb   |
| Strontium  | 88-1  | 482.44   | 481.70   | 484.34   | 482.82     | 0.28    | ppb   |
| Sulfur     | 34-1  | 9487.10  | 9370.41  | 9310.68  | 9389.40    | 0.96    | ppb   |
| Terbium    | 159-1 |          |          |          | 106        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 469.61   | 472.90   | 468.71   | 470.41     | 0.47    | ppb   |
| Thallium   | 205-1 | 479.33   | 482.55   | 482.42   | 481.44     | 0.38    | ppb   |
| Thorium    | 232-1 | 461.14   | 462.03   | 464.86   | 462.68     | 0.42    | ppb   |
| Tin        | 118-1 | 493.00   | 484.65   | 487.67   | 488.44     | 0.86    | ppb   |
| Titanium   | 47-1  | 2417.78  | 2392.84  | 2408.63  | 2406.42    | 0.52    | ppb   |
| Uranium    | 238-1 | 457.08   | 459.24   | 459.35   | 458.56     | 0.28    | ppb   |
| Vanadium   | 51-2  | 494.08   | 490.85   | 488.47   | 491.13     | 0.57    | ppb   |
| Yttrium    | 89-1  |          |          |          | 98         |         | %     |
| Yttrium    | 89-2  |          |          |          | 94         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:09:53 | DataFile Name :   | 028LCS6.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 932.42  | 916.51  | 920.70  | 923.21     | 0.89    | ppb   |
| Zirconium | 90-1 | 483.60  | 489.71  | 488.05  | 487.12     | 0.65    | ppb   |
| Zirconium | 91-1 | 477.23  | 471.84  | 480.17  | 476.42     | 0.89    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:13:29 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1.40     | 1.70     | 1.89     | 1.66       | 14.64   | ppb   |
| Antimony   | 121-1 | 0.48     | 0.47     | 0.53     | 0.49       | 6.72    | ppb   |
| Arsenic    | 75-1  | 0.23     | 0.08     | 0.17     | 0.16       | 45.34   | ppb   |
| Barium     | 135-1 | 0.49     | 0.42     | 0.49     | 0.47       | 8.51    | ppb   |
| Barium     | 137-1 | 0.52     | 0.44     | 0.42     | 0.46       | 11.66   | ppb   |
| Beryllium  | 9-1   | 0.08     | 0.09     | 0.07     | 0.08       | 6.89    | ppb   |
| Bismuth    | 209-1 |          |          |          | 102        |         | %     |
| Bismuth    | 209-2 |          |          |          | 97         |         | %     |
| Boron      | 10-1  | 54.04    | 51.89    | 54.30    | 53.41      | 2.48    | ppb   |
| Boron      | 11-1  | 56.63    | 56.15    | 54.85    | 55.88      | 1.64    | ppb   |
| Cadmium    | 111-1 | -0.36    | -0.33    | -0.28    | -0.32      |         | ppb   |
| Cadmium    | 106-1 | -5.22    | -5.06    | -4.26    | -4.85      |         | ppb   |
| Cadmium    | 108-1 | 0.02     | 0.02     | 0.02     | 0.02       | 4.18    | ppb   |
| Calcium    | 43-1  | 22353.69 | 22066.82 | 22347.82 | 22256.11   | 0.74    | ppb   |
| Calcium    | 44-1  | 22359.96 | 22195.91 | 22381.17 | 22312.35   | 0.45    | ppb   |
| Chromium   | 52-2  | 0.21     | 0.23     | 0.19     | 0.21       | 10.10   | ppb   |
| Cobalt     | 59-2  | 0.02     | 0.03     | 0.03     | 0.03       | 5.55    | ppb   |
| Copper     | 63-2  | 6.00     | 5.79     | 5.88     | 5.89       | 1.85    | 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 |          |          |          | 99         |         | %     |
| Indium     | 115-1 |          |          |          | 97         |         | %     |
| Indium     | 115-2 |          |          |          | 96         |         | %     |
| Iron       | 56-2  | 2.16     | 2.40     | 2.01     | 2.19       | 9.02    | ppb   |
| Iron       | 57-2  | 79.83    | 75.63    | 71.62    | 75.69      | 5.43    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.15     | 0.13     | 0.15     | 0.14       | 7.96    | ppb   |
| Lead       | 207-1 | 0.12     | 0.15     | 0.15     | 0.14       | 10.11   | ppb   |
| Lead       | 208-1 | 0.14     | 0.13     | 0.13     | 0.14       | 4.78    | ppb   |
| Lithium    | 6-1   |          |          |          | 94         |         | %     |
| Magnesium  | 24-2  | 2456.11  | 2404.91  | 2392.30  | 2417.77    | 1.40    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:13:29 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.17    | 0.14    | 0.16    | 0.16       | 11.00   | ppb   |
| Molybdenum | 94-1  | 0.70    | 0.68    | 0.57    | 0.65       | 10.36   | ppb   |
| Molybdenum | 95-1  | 0.86    | 0.68    | 0.56    | 0.70       | 21.73   | ppb   |
| Molybdenum | 96-1  | 0.77    | 0.66    | 0.57    | 0.67       | 15.40   | ppb   |
| Molybdenum | 97-1  | 0.90    | 0.77    | 0.71    | 0.79       | 11.90   | ppb   |
| Molybdenum | 98-1  | 0.81    | 0.71    | 0.62    | 0.71       | 12.78   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.06    | 0.07    | 0.09    | 0.07       | 24.76   | ppb   |
| Phosphorus | 31-2  | -14.59  | -9.09   | -14.22  | -12.63     |         | ppb   |
| Potassium  | 39-2  | 426.07  | 425.39  | 418.06  | 423.17     | 1.05    | ppb   |
| Rhodium    | 103-1 |         |         |         | 93         |         | %     |
| Rhodium    | 103-2 |         |         |         | 95         |         | %     |
| Scandium   | 45-1  |         |         |         | 92         |         | %     |
| Scandium   | 45-2  |         |         |         | 96         |         | %     |
| Selenium   | 77-2  | 1.48    | 0.00    | 0.96    | 0.81       | 92.28   | ppb   |
| Selenium   | 78-2  | -0.04   | -0.17   | 0.38    | 0.06       | 481.92  | ppb   |
| Selenium   | 82-1  | 0.57    | 1.45    | 0.59    | 0.87       | 57.66   | ppb   |
| Silicon    | 28-1  | 20.96   | 21.00   | 21.17   | 21.04      | 0.52    | ppb   |
| Silver     | 109-1 | 0.06    | 0.03    | 0.04    | 0.05       | 33.97   | ppb   |
| Silver     | 107-1 | 0.05    | 0.03    | 0.03    | 0.04       | 32.99   | ppb   |
| Sodium     | 23-2  | 8525.16 | 8370.48 | 8318.14 | 8404.59    | 1.28    | ppb   |
| Strontium  | 86-1  | 4.93    | 5.06    | 5.13    | 5.04       | 1.99    | ppb   |
| Strontium  | 88-1  | 5.09    | 5.14    | 5.12    | 5.12       | 0.47    | ppb   |
| Sulfur     | 34-1  | 4338.30 | 4218.36 | 4324.70 | 4293.79    | 1.53    | ppb   |
| Terbium    | 159-1 |         |         |         | 102        |         | %     |
| Terbium    | 159-2 |         |         |         | 98         |         | %     |
| Thallium   | 203-1 | 0.11    | 0.10    | 0.08    | 0.09       | 14.56   | ppb   |
| Thallium   | 205-1 | 0.11    | 0.11    | 0.09    | 0.10       | 11.18   | ppb   |
| Thorium    | 232-1 | 0.20    | 0.17    | 0.16    | 0.18       | 11.83   | ppb   |
| Tin        | 118-1 | 0.39    | 0.31    | 0.29    | 0.33       | 16.09   | ppb   |
| Titanium   | 47-1  | 30.36   | 29.76   | 33.44   | 31.19      | 6.34    | ppb   |
| Uranium    | 238-1 | 0.04    | 0.03    | 0.02    | 0.03       | 26.42   | ppb   |
| Vanadium   | 51-2  | 0.03    | 0.05    | 0.06    | 0.05       | 26.28   | ppb   |
| Yttrium    | 89-1  |         |         |         | 96         |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:13:29 | DataFile Name :   | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 9.57    | 9.56    | 9.07    | 9.40       | 3.06    | ppb   |
| Zirconium | 90-1 | 0.13    | 0.13    | 0.11    | 0.12       | 11.21   | ppb   |
| Zirconium | 91-1 | 0.13    | 0.13    | 0.13    | 0.13       | 1.90    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:17:05 | DataFile Name :   | 030LLCC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 17.82   | 20.77   | 19.10   | 19.23      | 7.69    | ppb   |
| Antimony   | 121-1 | 1.96    | 1.92    | 1.94    | 1.94       | 0.95    | ppb   |
| Arsenic    | 75-1  | 0.84    | 0.77    | 0.97    | 0.86       | 12.02   | ppb   |
| Barium     | 135-1 | 10.02   | 10.11   | 9.75    | 9.96       | 1.89    | ppb   |
| Barium     | 137-1 | 9.74    | 10.04   | 9.94    | 9.91       | 1.56    | ppb   |
| Beryllium  | 9-1   | 0.96    | 1.04    | 1.02    | 1.01       | 4.26    | ppb   |
| Bismuth    | 209-1 |         |         |         | 114        |         | %     |
| Bismuth    | 209-2 |         |         |         | 106        |         | %     |
| Boron      | 10-1  | 27.33   | 28.62   | 28.81   | 28.25      | 2.84    | ppb   |
| Boron      | 11-1  | 29.30   | 28.99   | 29.24   | 29.18      | 0.57    | ppb   |
| Cadmium    | 111-1 | 1.11    | 1.12    | 1.23    | 1.15       | 5.88    | ppb   |
| Cadmium    | 106-1 | -4.86   | -2.86   | -3.61   | -3.78      |         | ppb   |
| Cadmium    | 108-1 | 1.01    | 1.38    | 0.94    | 1.11       | 21.40   | ppb   |
| Calcium    | 43-1  | 460.68  | 461.67  | 466.69  | 463.01     | 0.70    | ppb   |
| Calcium    | 44-1  | 461.74  | 464.13  | 454.28  | 460.05     | 1.12    | ppb   |
| Chromium   | 52-2  | 1.87    | 1.96    | 1.92    | 1.91       | 2.36    | ppb   |
| Cobalt     | 59-2  | 0.90    | 1.03    | 0.97    | 0.97       | 6.80    | ppb   |
| Copper     | 63-2  | 1.91    | 2.05    | 1.87    | 1.94       | 4.97    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 112        |         | %     |
| Holmium    | 165-2 |         |         |         | 107        |         | %     |
| Indium     | 115-1 |         |         |         | 107        |         | %     |
| Indium     | 115-2 |         |         |         | 103        |         | %     |
| Iron       | 56-2  | 52.32   | 53.21   | 52.45   | 52.66      | 0.92    | ppb   |
| Iron       | 57-2  | 53.15   | 54.46   | 49.36   | 52.33      | 5.06    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.95    | 0.96    | 0.91    | 0.94       | 2.84    | ppb   |
| Lead       | 207-1 | 0.91    | 0.86    | 0.91    | 0.89       | 3.16    | ppb   |
| Lead       | 208-1 | 0.90    | 0.91    | 0.89    | 0.90       | 1.26    | ppb   |
| Lithium    | 6-1   |         |         |         | 103        |         | %     |
| Magnesium  | 24-2  | 504.47  | 505.74  | 500.52  | 503.57     | 0.54    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:17:05 | DataFile Name :   | 030LLCC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.91    | 1.07    | 1.10    | 1.03       | 9.88    | ppb   |
| Molybdenum | 94-1  | 4.76    | 5.09    | 4.93    | 4.93       | 3.40    | ppb   |
| Molybdenum | 95-1  | 5.08    | 4.90    | 5.20    | 5.06       | 3.05    | ppb   |
| Molybdenum | 96-1  | 5.33    | 5.09    | 5.08    | 5.17       | 2.73    | ppb   |
| Molybdenum | 97-1  | 5.30    | 5.10    | 5.19    | 5.20       | 1.89    | ppb   |
| Molybdenum | 98-1  | 5.08    | 4.96    | 5.16    | 5.07       | 1.96    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.13    | 1.16    | 1.04    | 1.11       | 5.71    | ppb   |
| Phosphorus | 31-2  | 29.36   | 13.15   | -5.16   | 12.45      | 138.71  | ppb   |
| Potassium  | 39-2  | 464.16  | 449.60  | 459.31  | 457.69     | 1.62    | ppb   |
| Rhodium    | 103-1 |         |         |         | 104        |         | %     |
| Rhodium    | 103-2 |         |         |         | 103        |         | %     |
| Scandium   | 45-1  |         |         |         | 101        |         | %     |
| Scandium   | 45-2  |         |         |         | 103        |         | %     |
| Selenium   | 77-2  | 5.40    | 8.10    | 7.71    | 7.07       | 20.59   | ppb   |
| Selenium   | 78-2  | 6.03    | 4.85    | 4.98    | 5.28       | 12.27   | ppb   |
| Selenium   | 82-1  | 5.61    | 5.66    | 6.11    | 5.79       | 4.82    | ppb   |
| Silicon    | 28-1  | 6.18    | 5.49    | 5.86    | 5.84       | 5.94    | ppb   |
| Silver     | 109-1 | 0.15    | 0.14    | 0.15    | 0.15       | 4.91    | ppb   |
| Silver     | 107-1 | 0.14    | 0.15    | 0.17    | 0.15       | 6.86    | ppb   |
| Sodium     | 23-2  | 472.05  | 468.91  | 466.46  | 469.14     | 0.60    | ppb   |
| Strontium  | 86-1  | 0.96    | 1.08    | 0.96    | 1.00       | 7.01    | ppb   |
| Strontium  | 88-1  | 0.93    | 0.93    | 0.93    | 0.93       | 0.39    | ppb   |
| Sulfur     | 34-1  | -427.57 | -429.26 | -478.66 | -445.16    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 112        |         | %     |
| Terbium    | 159-2 |         |         |         | 106        |         | %     |
| Thallium   | 203-1 | 0.91    | 0.97    | 0.92    | 0.93       | 3.03    | ppb   |
| Thallium   | 205-1 | 0.87    | 0.88    | 0.95    | 0.90       | 4.56    | ppb   |
| Thorium    | 232-1 | 0.83    | 0.83    | 0.80    | 0.82       | 2.36    | ppb   |
| Tin        | 118-1 | 5.18    | 4.90    | 5.06    | 5.05       | 2.84    | ppb   |
| Titanium   | 47-1  | 4.97    | 5.46    | 4.71    | 5.05       | 7.49    | ppb   |
| Uranium    | 238-1 | 0.81    | 0.82    | 0.80    | 0.81       | 1.02    | ppb   |
| Vanadium   | 51-2  | 5.26    | 5.01    | 4.85    | 5.04       | 4.07    | ppb   |
| Yttrium    | 89-1  |         |         |         | 106        |         | %     |
| Yttrium    | 89-2  |         |         |         | 103        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:17:05 | DataFile Name :   | 030LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1.82    | 1.87    | 2.04    | 1.91       | 5.95    | ppb   |
| Zirconium | 90-1 | 0.88    | 0.87    | 0.93    | 0.90       | 3.53    | ppb   |
| Zirconium | 91-1 | 0.81    | 0.90    | 0.98    | 0.90       | 9.32    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042DUP        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:21:59 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1.06     | 1.05     | 0.51     | 0.87       | 35.80   | ppb   |
| Antimony   | 121-1 | 0.08     | 0.08     | 0.07     | 0.08       | 8.51    | ppb   |
| Arsenic    | 75-1  | 0.12     | 0.11     | 0.16     | 0.13       | 19.86   | ppb   |
| Barium     | 135-1 | 0.38     | 0.33     | 0.28     | 0.33       | 15.50   | ppb   |
| Barium     | 137-1 | 0.34     | 0.38     | 0.30     | 0.34       | 11.55   | ppb   |
| Beryllium  | 9-1   | 0.02     | 0.01     | 0.03     | 0.02       | 43.00   | ppb   |
| Bismuth    | 209-1 |          |          |          | 102        |         | %     |
| Bismuth    | 209-2 |          |          |          | 97         |         | %     |
| Boron      | 10-1  | 38.88    | 41.58    | 43.36    | 41.27      | 5.47    | ppb   |
| Boron      | 11-1  | 43.23    | 44.06    | 44.47    | 43.92      | 1.44    | ppb   |
| Cadmium    | 111-1 | -0.23    | -0.33    | -0.34    | -0.30      |         | ppb   |
| Cadmium    | 106-1 | -3.17    | -4.36    | -4.57    | -4.03      |         | ppb   |
| Cadmium    | 108-1 | 0.08     | 0.05     | -0.07    | 0.02       | 424.52  | ppb   |
| Calcium    | 43-1  | 21757.81 | 21931.81 | 21734.74 | 21808.12   | 0.49    | ppb   |
| Calcium    | 44-1  | 21736.23 | 21967.05 | 22074.83 | 21926.04   | 0.79    | ppb   |
| Chromium   | 52-2  | 0.20     | 0.25     | 0.25     | 0.23       | 12.52   | ppb   |
| Cobalt     | 59-2  | 0.01     | 0.02     | 0.02     | 0.02       | 22.47   | ppb   |
| Copper     | 63-2  | 5.72     | 5.75     | 5.74     | 5.74       | 0.25    | 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 |          |          |          | 103        |         | %     |
| Holmium    | 165-2 |          |          |          | 99         |         | %     |
| Indium     | 115-1 |          |          |          | 98         |         | %     |
| Indium     | 115-2 |          |          |          | 96         |         | %     |
| Iron       | 56-2  | 1.55     | 1.62     | 1.40     | 1.52       | 7.21    | ppb   |
| Iron       | 57-2  | 64.27    | 77.59    | 75.70    | 72.52      | 9.93    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.10     | 0.10     | 0.08     | 0.09       | 8.58    | ppb   |
| Lead       | 207-1 | 0.10     | 0.09     | 0.10     | 0.10       | 3.74    | ppb   |
| Lead       | 208-1 | 0.10     | 0.10     | 0.09     | 0.10       | 3.88    | ppb   |
| Lithium    | 6-1   |          |          |          | 95         |         | %     |
| Magnesium  | 24-2  | 2374.83  | 2411.56  | 2397.40  | 2394.60    | 0.77    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042DUP        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:21:59 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.10    | 0.09    | 0.08    | 0.09       | 7.44    | ppb   |
| Molybdenum | 94-1  | 0.18    | 0.17    | 0.21    | 0.19       | 11.32   | ppb   |
| Molybdenum | 95-1  | 0.06    | 0.07    | 0.06    | 0.06       | 12.62   | ppb   |
| Molybdenum | 96-1  | 0.09    | 0.08    | 0.05    | 0.07       | 31.16   | ppb   |
| Molybdenum | 97-1  | 0.09    | 0.09    | 0.05    | 0.08       | 29.97   | ppb   |
| Molybdenum | 98-1  | 0.05    | 0.05    | 0.07    | 0.06       | 20.07   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.10    | 0.08    | 0.08    | 0.09       | 13.89   | ppb   |
| Phosphorus | 31-2  | -26.35  | -39.82  | -35.40  | -33.86     |         | ppb   |
| Potassium  | 39-2  | 408.50  | 412.32  | 429.20  | 416.67     | 2.64    | ppb   |
| Rhodium    | 103-1 |         |         |         | 95         |         | %     |
| Rhodium    | 103-2 |         |         |         | 94         |         | %     |
| Scandium   | 45-1  |         |         |         | 93         |         | %     |
| Scandium   | 45-2  |         |         |         | 96         |         | %     |
| Selenium   | 77-2  | 0.98    | 0.48    | 1.93    | 1.13       | 65.07   | ppb   |
| Selenium   | 78-2  | 0.43    | -0.32   | 0.70    | 0.27       | 196.15  | ppb   |
| Selenium   | 82-1  | 0.62    | 0.67    | 0.68    | 0.66       | 4.66    | ppb   |
| Silicon    | 28-1  | 16.33   | 16.97   | 17.37   | 16.89      | 3.11    | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.01    | 0.00       | 4596.90 | ppb   |
| Silver     | 107-1 | 0.01    | 0.00    | -0.01   | 0.00       | 528.96  | ppb   |
| Sodium     | 23-2  | 8368.35 | 8400.19 | 8359.36 | 8375.97    | 0.26    | ppb   |
| Strontium  | 86-1  | 4.85    | 4.96    | 5.10    | 4.97       | 2.49    | ppb   |
| Strontium  | 88-1  | 5.11    | 4.96    | 4.95    | 5.01       | 1.74    | ppb   |
| Sulfur     | 34-1  | 4313.12 | 4587.66 | 4487.86 | 4462.88    | 3.11    | ppb   |
| Terbium    | 159-1 |         |         |         | 103        |         | %     |
| Terbium    | 159-2 |         |         |         | 98         |         | %     |
| Thallium   | 203-1 | 0.02    | 0.02    | 0.03    | 0.02       | 23.98   | ppb   |
| Thallium   | 205-1 | 0.02    | 0.02    | 0.02    | 0.02       | 20.39   | ppb   |
| Thorium    | 232-1 | 0.09    | 0.08    | 0.08    | 0.08       | 6.89    | ppb   |
| Tin        | 118-1 | 0.16    | 0.17    | 0.18    | 0.17       | 5.16    | ppb   |
| Titanium   | 47-1  | 26.63   | 40.18   | 29.11   | 31.97      | 22.56   | ppb   |
| Uranium    | 238-1 | 0.01    | 0.00    | 0.00    | 0.00       | 20.35   | ppb   |
| Vanadium   | 51-2  | 0.03    | 0.04    | 0.03    | 0.03       | 11.91   | ppb   |
| Yttrium    | 89-1  |         |         |         | 97         |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042DUP        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:21:59 | DataFile Name :   | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 7.48    | 6.97    | 7.41    | 7.29       | 3.79    | ppb   |
| Zirconium | 90-1 | 0.09    | 0.10    | 0.09    | 0.09       | 5.24    | ppb   |
| Zirconium | 91-1 | 0.13    | 0.08    | 0.11    | 0.11       | 24.63   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042L          | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-05-20 13:25:36 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.09    | 0.50    | -0.13   | 0.15       | 213.24  | ppb   |
| Antimony   | 121-1 | 0.02    | 0.02    | 0.02    | 0.02       | 5.53    | ppb   |
| Arsenic    | 75-1  | -0.01   | 0.11    | 0.03    | 0.04       | 155.42  | ppb   |
| Barium     | 135-1 | 0.09    | 0.07    | 0.09    | 0.08       | 17.00   | ppb   |
| Barium     | 137-1 | 0.09    | 0.06    | 0.07    | 0.07       | 19.23   | ppb   |
| Beryllium  | 9-1   | 0.03    | 0.02    | 0.05    | 0.03       | 39.93   | ppb   |
| Bismuth    | 209-1 |         |         |         | 105        |         | %     |
| Bismuth    | 209-2 |         |         |         | 98         |         | %     |
| Boron      | 10-1  | 11.21   | 13.48   | 11.73   | 12.14      | 9.80    | ppb   |
| Boron      | 11-1  | 12.28   | 12.69   | 12.42   | 12.46      | 1.64    | ppb   |
| Cadmium    | 111-1 | -0.32   | -0.26   | -0.32   | -0.30      |         | ppb   |
| Cadmium    | 106-1 | -4.15   | -3.48   | -4.15   | -3.93      |         | ppb   |
| Cadmium    | 108-1 | -0.01   | -0.04   | 0.02    | -0.01      |         | ppb   |
| Calcium    | 43-1  | 4535.74 | 4603.43 | 4623.05 | 4587.40    | 1.00    | ppb   |
| Calcium    | 44-1  | 4522.90 | 4619.20 | 4649.57 | 4597.22    | 1.44    | ppb   |
| Chromium   | 52-2  | 0.05    | 0.04    | 0.03    | 0.04       | 28.78   | ppb   |
| Cobalt     | 59-2  | 0.01    | 0.01    | 0.01    | 0.01       | 27.11   | ppb   |
| Copper     | 63-2  | 1.20    | 1.15    | 1.10    | 1.15       | 4.15    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 104        |         | %     |
| Holmium    | 165-2 |         |         |         | 99         |         | %     |
| Indium     | 115-1 |         |         |         | 99         |         | %     |
| Indium     | 115-2 |         |         |         | 96         |         | %     |
| Iron       | 56-2  | 0.43    | 0.49    | 0.37    | 0.43       | 14.34   | ppb   |
| Iron       | 57-2  | 12.88   | 12.67   | 14.98   | 13.51      | 9.46    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.03    | 0.04    | 0.03    | 0.03       | 10.62   | ppb   |
| Lead       | 207-1 | 0.02    | 0.02    | 0.02    | 0.02       | 4.04    | ppb   |
| Lead       | 208-1 | 0.02    | 0.03    | 0.03    | 0.03       | 3.34    | ppb   |
| Lithium    | 6-1   |         |         |         | 96         |         | %     |
| Magnesium  | 24-2  | 519.48  | 496.67  | 509.46  | 508.54     | 2.25    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042L          | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-05-20 13:25:36 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.02    | 0.03    | 0.02    | 0.02       | 33.52   | ppb   |
| Molybdenum | 94-1  | 0.09    | 0.08    | 0.04    | 0.07       | 35.59   | ppb   |
| Molybdenum | 95-1  | 0.03    | 0.04    | 0.05    | 0.04       | 21.44   | ppb   |
| Molybdenum | 96-1  | 0.02    | 0.03    | 0.02    | 0.02       | 19.95   | ppb   |
| Molybdenum | 97-1  | 0.05    | 0.07    | 0.07    | 0.06       | 21.08   | ppb   |
| Molybdenum | 98-1  | 0.05    | 0.03    | 0.04    | 0.04       | 26.80   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.01   | 0.00    | -0.01   | -0.01      |         | ppb   |
| Phosphorus | 31-2  | -21.31  | -22.91  | -46.55  | -30.26     |         | ppb   |
| Potassium  | 39-2  | 85.71   | 82.40   | 84.10   | 84.07      | 1.97    | ppb   |
| Rhodium    | 103-1 |         |         |         | 96         |         | %     |
| Rhodium    | 103-2 |         |         |         | 95         |         | %     |
| Scandium   | 45-1  |         |         |         | 94         |         | %     |
| Scandium   | 45-2  |         |         |         | 96         |         | %     |
| Selenium   | 77-2  | 0.49    | 0.00    | 0.48    | 0.32       | 86.64   | ppb   |
| Selenium   | 78-2  | -0.35   | -0.24   | -0.17   | -0.26      |         | ppb   |
| Selenium   | 82-1  | 0.47    | 0.12    | 0.12    | 0.24       | 84.89   | ppb   |
| Silicon    | 28-1  | 2.84    | 2.72    | 3.38    | 2.98       | 11.82   | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |
| Silver     | 107-1 | -0.01   | -0.01   | 0.00    | 0.00       |         | ppb   |
| Sodium     | 23-2  | 1796.09 | 1730.57 | 1742.66 | 1756.44    | 1.99    | ppb   |
| Strontium  | 86-1  | 1.08    | 1.10    | 1.10    | 1.10       | 1.03    | ppb   |
| Strontium  | 88-1  | 1.04    | 1.04    | 1.05    | 1.04       | 0.83    | ppb   |
| Sulfur     | 34-1  | 1033.86 | 1144.82 | 1168.90 | 1115.86    | 6.45    | ppb   |
| Terbium    | 159-1 |         |         |         | 104        |         | %     |
| Terbium    | 159-2 |         |         |         | 98         |         | %     |
| Thallium   | 203-1 | 0.02    | 0.01    | 0.02    | 0.02       | 4.30    | ppb   |
| Thallium   | 205-1 | 0.01    | 0.02    | 0.01    | 0.01       | 25.71   | ppb   |
| Thorium    | 232-1 | 0.03    | 0.03    | 0.03    | 0.03       | 9.37    | ppb   |
| Tin        | 118-1 | 0.05    | 0.03    | 0.05    | 0.04       | 30.31   | ppb   |
| Titanium   | 47-1  | 5.51    | 6.98    | 11.74   | 8.08       | 40.31   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | 200.92  | ppb   |
| Vanadium   | 51-2  | 0.01    | 0.00    | 0.01    | 0.00       | 64.15   | ppb   |
| Yttrium    | 89-1  |         |         |         | 98         |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042L          | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-05-20 13:25:36 | DataFile Name :   | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1.71    | 1.15    | 1.64    | 1.50       | 20.41   | ppb   |
| Zirconium | 90-1 | 0.01    | 0.03    | 0.02    | 0.02       | 41.11   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.01    | 0.01    | 0.01       | 58.57   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MS         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:29:12 | DataFile Name :   | 033SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1870.74  | 1838.27  | 1912.34  | 1873.78    | 1.98    | ppb   |
| Antimony   | 121-1 | 788.06   | 798.02   | 784.42   | 790.17     | 0.89    | ppb   |
| Arsenic    | 75-1  | 786.72   | 774.58   | 784.32   | 781.87     | 0.82    | ppb   |
| Barium     | 135-1 | 210.74   | 211.75   | 208.01   | 210.17     | 0.92    | ppb   |
| Barium     | 137-1 | 209.05   | 210.20   | 209.81   | 209.69     | 0.28    | ppb   |
| Beryllium  | 9-1   | 203.52   | 203.27   | 204.03   | 203.61     | 0.19    | ppb   |
| Bismuth    | 209-1 |          |          |          | 101        |         | %     |
| Bismuth    | 209-2 |          |          |          | 95         |         | %     |
| Boron      | 10-1  | 339.33   | 353.44   | 349.20   | 347.33     | 2.08    | ppb   |
| Boron      | 11-1  | 346.23   | 352.79   | 355.84   | 351.62     | 1.40    | ppb   |
| Cadmium    | 111-1 | 201.59   | 204.91   | 200.02   | 202.17     | 1.24    | ppb   |
| Cadmium    | 106-1 | 151.13   | 160.95   | 159.94   | 157.34     | 3.43    | ppb   |
| Cadmium    | 108-1 | 179.10   | 175.05   | 175.90   | 176.68     | 1.21    | ppb   |
| Calcium    | 43-1  | 22168.58 | 22562.88 | 22601.84 | 22444.43   | 1.07    | ppb   |
| Calcium    | 44-1  | 22335.22 | 22607.87 | 22791.39 | 22578.16   | 1.02    | ppb   |
| Chromium   | 52-2  | 413.31   | 409.50   | 415.33   | 412.71     | 0.72    | ppb   |
| Cobalt     | 59-2  | 209.57   | 207.58   | 212.24   | 209.80     | 1.11    | ppb   |
| Copper     | 63-2  | 310.41   | 306.82   | 311.60   | 309.61     | 0.80    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 101        |         | %     |
| Holmium    | 165-2 |          |          |          | 96         |         | %     |
| Indium     | 115-1 |          |          |          | 93         |         | %     |
| Indium     | 115-2 |          |          |          | 90         |         | %     |
| Iron       | 56-2  | 3182.39  | 3154.05  | 3208.23  | 3181.56    | 0.85    | ppb   |
| Iron       | 57-2  | 3221.64  | 3215.98  | 3258.94  | 3232.19    | 0.72    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 1029.62  | 1029.11  | 1028.22  | 1028.98    | 0.07    | ppb   |
| Lead       | 207-1 | 981.73   | 973.96   | 1007.58  | 987.76     | 1.78    | ppb   |
| Lead       | 208-1 | 1005.12  | 1003.11  | 1014.67  | 1007.63    | 0.61    | ppb   |
| Lithium    | 6-1   |          |          |          | 90         |         | %     |
| Magnesium  | 24-2  | 4441.74  | 4391.16  | 4480.78  | 4437.89    | 1.01    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MS         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:29:12 | DataFile Name :   | 033SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 201.34   | 201.64   | 205.63   | 202.87     | 1.18    | ppb   |
| Molybdenum | 94-1  | 269.56   | 268.88   | 273.77   | 270.74     | 0.98    | ppb   |
| Molybdenum | 95-1  | 391.01   | 394.36   | 392.88   | 392.75     | 0.43    | ppb   |
| Molybdenum | 96-1  | 375.35   | 375.97   | 381.92   | 377.74     | 0.96    | ppb   |
| Molybdenum | 97-1  | 393.32   | 396.00   | 394.56   | 394.63     | 0.34    | ppb   |
| Molybdenum | 98-1  | 393.20   | 394.54   | 396.02   | 394.59     | 0.36    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 526.10   | 531.17   | 531.18   | 529.48     | 0.55    | ppb   |
| Phosphorus | 31-2  | 6267.47  | 5963.74  | 6192.79  | 6141.33    | 2.58    | ppb   |
| Potassium  | 39-2  | 10329.71 | 10224.34 | 10470.16 | 10341.40   | 1.19    | ppb   |
| Rhodium    | 103-1 |          |          |          | 88         |         | %     |
| Rhodium    | 103-2 |          |          |          | 89         |         | %     |
| Scandium   | 45-1  |          |          |          | 88         |         | %     |
| Scandium   | 45-2  |          |          |          | 90         |         | %     |
| Selenium   | 77-2  | 2088.93  | 2084.58  | 2034.30  | 2069.27    | 1.47    | ppb   |
| Selenium   | 78-2  | 2060.16  | 2059.57  | 2012.03  | 2043.92    | 1.35    | ppb   |
| Selenium   | 82-1  | 2026.97  | 2002.37  | 2022.99  | 2017.45    | 0.65    | ppb   |
| Silicon    | 28-1  | 1020.56  | 1036.08  | 1047.25  | 1034.63    | 1.30    | ppb   |
| Silver     | 109-1 | 78.20    | 77.50    | 77.01    | 77.57      | 0.77    | ppb   |
| Silver     | 107-1 | 77.13    | 77.82    | 76.64    | 77.20      | 0.77    | ppb   |
| Sodium     | 23-2  | 11191.52 | 11093.60 | 11304.64 | 11196.59   | 0.94    | ppb   |
| Strontium  | 86-1  | 207.87   | 204.67   | 206.07   | 206.20     | 0.78    | ppb   |
| Strontium  | 88-1  | 205.29   | 204.53   | 205.54   | 205.12     | 0.26    | ppb   |
| Sulfur     | 34-1  | 3680.53  | 3623.65  | 3477.64  | 3593.94    | 2.91    | ppb   |
| Terbium    | 159-1 |          |          |          | 101        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 2049.29  | 2031.77  | 2027.08  | 2036.05    | 0.57    | ppb   |
| Thallium   | 205-1 | 2052.43  | 2033.28  | 2027.03  | 2037.58    | 0.65    | ppb   |
| Thorium    | 232-1 | 0.06     | 0.06     | 0.06     | 0.06       | 4.84    | ppb   |
| Tin        | 118-1 | 700.96   | 710.14   | 701.43   | 704.18     | 0.73    | ppb   |
| Titanium   | 47-1  | 229.23   | 224.77   | 236.47   | 230.16     | 2.57    | ppb   |
| Uranium    | 238-1 | 0.01     | 0.00     | 0.00     | 0.00       | 44.72   | ppb   |
| Vanadium   | 51-2  | 306.16   | 304.64   | 312.23   | 307.68     | 1.30    | ppb   |
| Yttrium    | 89-1  |          |          |          | 92         |         | %     |
| Yttrium    | 89-2  |          |          |          | 91         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MS         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:29:12 | DataFile Name :   | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 200.12  | 198.27  | 203.48  | 200.62     | 1.32    | ppb   |
| Zirconium | 90-1 | 0.44    | 0.48    | 0.49    | 0.47       | 5.48    | ppb   |
| Zirconium | 91-1 | 0.94    | 0.75    | 0.92    | 0.87       | 12.35   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MSD        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:32:50 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1899.19  | 1881.08  | 1891.05  | 1890.44    | 0.48    | ppb   |
| Antimony   | 121-1 | 784.57   | 778.79   | 780.67   | 781.34     | 0.38    | ppb   |
| Arsenic    | 75-1  | 783.59   | 779.29   | 781.73   | 781.54     | 0.28    | ppb   |
| Barium     | 135-1 | 210.95   | 209.79   | 208.59   | 209.77     | 0.56    | ppb   |
| Barium     | 137-1 | 209.82   | 211.68   | 209.15   | 210.22     | 0.62    | ppb   |
| Beryllium  | 9-1   | 203.14   | 204.82   | 204.53   | 204.16     | 0.44    | ppb   |
| Bismuth    | 209-1 |          |          |          | 101        |         | %     |
| Bismuth    | 209-2 |          |          |          | 95         |         | %     |
| Boron      | 10-1  | 353.60   | 356.49   | 360.89   | 356.99     | 1.03    | ppb   |
| Boron      | 11-1  | 358.97   | 361.98   | 366.27   | 362.41     | 1.01    | ppb   |
| Cadmium    | 111-1 | 200.77   | 204.00   | 200.10   | 201.62     | 1.04    | ppb   |
| Cadmium    | 106-1 | 161.44   | 158.02   | 155.68   | 158.38     | 1.83    | ppb   |
| Cadmium    | 108-1 | 176.35   | 177.40   | 174.64   | 176.13     | 0.79    | ppb   |
| Calcium    | 43-1  | 22447.46 | 22333.75 | 22504.12 | 22428.44   | 0.39    | ppb   |
| Calcium    | 44-1  | 22583.08 | 22569.11 | 22649.84 | 22600.68   | 0.19    | ppb   |
| Chromium   | 52-2  | 413.93   | 419.17   | 415.96   | 416.35     | 0.63    | ppb   |
| Cobalt     | 59-2  | 209.45   | 213.51   | 212.82   | 211.93     | 1.03    | ppb   |
| Copper     | 63-2  | 308.95   | 313.40   | 311.91   | 311.42     | 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 |          |          |          | 100        |         | %     |
| Holmium    | 165-2 |          |          |          | 97         |         | %     |
| Indium     | 115-1 |          |          |          | 92         |         | %     |
| Indium     | 115-2 |          |          |          | 89         |         | %     |
| Iron       | 56-2  | 3171.55  | 3208.76  | 3184.50  | 3188.27    | 0.59    | ppb   |
| Iron       | 57-2  | 3201.79  | 3331.01  | 3247.45  | 3260.08    | 2.01    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 1029.94  | 1029.87  | 1032.13  | 1030.65    | 0.12    | ppb   |
| Lead       | 207-1 | 975.84   | 1011.67  | 1001.40  | 996.30     | 1.85    | ppb   |
| Lead       | 208-1 | 1008.86  | 1019.44  | 1014.29  | 1014.20    | 0.52    | ppb   |
| Lithium    | 6-1   |          |          |          | 88         |         | %     |
| Magnesium  | 24-2  | 4485.46  | 4548.26  | 4509.28  | 4514.33    | 0.70    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MSD        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:32:50 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 202.15   | 207.01   | 206.40   | 205.19     | 1.29    | ppb   |
| Molybdenum | 94-1  | 272.31   | 268.39   | 268.69   | 269.80     | 0.81    | ppb   |
| Molybdenum | 95-1  | 391.92   | 388.05   | 388.78   | 389.58     | 0.53    | ppb   |
| Molybdenum | 96-1  | 378.71   | 373.90   | 369.56   | 374.06     | 1.22    | ppb   |
| Molybdenum | 97-1  | 395.32   | 392.49   | 385.97   | 391.26     | 1.23    | ppb   |
| Molybdenum | 98-1  | 393.26   | 391.99   | 391.67   | 392.30     | 0.21    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 527.85   | 541.53   | 531.42   | 533.60     | 1.33    | ppb   |
| Phosphorus | 31-2  | 6064.05  | 6185.23  | 6480.97  | 6243.41    | 3.44    | ppb   |
| Potassium  | 39-2  | 10322.62 | 10416.74 | 10515.34 | 10418.23   | 0.92    | ppb   |
| Rhodium    | 103-1 |          |          |          | 87         |         | %     |
| Rhodium    | 103-2 |          |          |          | 89         |         | %     |
| Scandium   | 45-1  |          |          |          | 86         |         | %     |
| Scandium   | 45-2  |          |          |          | 89         |         | %     |
| Selenium   | 77-2  | 2059.16  | 2025.39  | 1970.11  | 2018.22    | 2.23    | ppb   |
| Selenium   | 78-2  | 2062.54  | 2039.41  | 1999.81  | 2033.92    | 1.56    | ppb   |
| Selenium   | 82-1  | 2033.28  | 2003.57  | 2012.65  | 2016.50    | 0.75    | ppb   |
| Silicon    | 28-1  | 1023.60  | 1032.57  | 1044.36  | 1033.51    | 1.01    | ppb   |
| Silver     | 109-1 | 76.74    | 77.47    | 76.88    | 77.03      | 0.50    | ppb   |
| Silver     | 107-1 | 77.28    | 77.89    | 75.97    | 77.05      | 1.27    | ppb   |
| Sodium     | 23-2  | 11279.60 | 11343.61 | 11423.91 | 11349.04   | 0.64    | ppb   |
| Strontium  | 86-1  | 207.65   | 207.23   | 206.20   | 207.03     | 0.36    | ppb   |
| Strontium  | 88-1  | 206.88   | 204.90   | 205.36   | 205.71     | 0.50    | ppb   |
| Sulfur     | 34-1  | 3273.86  | 3069.08  | 3039.68  | 3127.54    | 4.08    | ppb   |
| Terbium    | 159-1 |          |          |          | 100        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 2051.86  | 2024.64  | 2040.07  | 2038.86    | 0.67    | ppb   |
| Thallium   | 205-1 | 2018.63  | 2028.59  | 2029.31  | 2025.51    | 0.29    | ppb   |
| Thorium    | 232-1 | 0.03     | 0.04     | 0.04     | 0.04       | 4.16    | ppb   |
| Tin        | 118-1 | 700.92   | 702.30   | 698.74   | 700.65     | 0.26    | ppb   |
| Titanium   | 47-1  | 227.19   | 228.68   | 242.40   | 232.76     | 3.60    | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       | 12.45   | ppb   |
| Vanadium   | 51-2  | 309.54   | 311.84   | 309.87   | 310.42     | 0.40    | ppb   |
| Yttrium    | 89-1  |          |          |          | 91         |         | %     |
| Yttrium    | 89-2  |          |          |          | 90         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MSD        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:32:50 | DataFile Name :   | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 199.47  | 199.72  | 200.40  | 199.86     | 0.24    | ppb   |
| Zirconium | 90-1 | 0.40    | 0.37    | 0.36    | 0.37       | 6.28    | ppb   |
| Zirconium | 91-1 | 0.64    | 0.66    | 0.73    | 0.68       | 7.60    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01A           | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042A          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:36:27 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1909.28  | 1882.27  | 1830.32  | 1873.96    | 2.14    | ppb   |
| Antimony   | 121-1 | 788.72   | 792.78   | 771.98   | 784.49     | 1.41    | ppb   |
| Arsenic    | 75-1  | 782.85   | 774.76   | 763.38   | 773.66     | 1.26    | ppb   |
| Barium     | 135-1 | 213.86   | 213.60   | 211.16   | 212.87     | 0.70    | ppb   |
| Barium     | 137-1 | 209.56   | 210.68   | 207.12   | 209.12     | 0.87    | ppb   |
| Beryllium  | 9-1   | 206.64   | 203.70   | 204.64   | 204.99     | 0.73    | ppb   |
| Bismuth    | 209-1 |          |          |          | 101        |         | %     |
| Bismuth    | 209-2 |          |          |          | 95         |         | %     |
| Boron      | 10-1  | 365.75   | 354.24   | 366.85   | 362.28     | 1.93    | ppb   |
| Boron      | 11-1  | 367.36   | 364.56   | 370.51   | 367.48     | 0.81    | ppb   |
| Cadmium    | 111-1 | 202.53   | 202.91   | 197.38   | 200.94     | 1.54    | ppb   |
| Cadmium    | 106-1 | 156.22   | 159.87   | 151.30   | 155.80     | 2.76    | ppb   |
| Cadmium    | 108-1 | 177.08   | 179.83   | 175.01   | 177.31     | 1.36    | ppb   |
| Calcium    | 43-1  | 22602.87 | 22518.47 | 22452.89 | 22524.74   | 0.33    | ppb   |
| Calcium    | 44-1  | 22857.98 | 22662.69 | 22710.69 | 22743.79   | 0.45    | ppb   |
| Chromium   | 52-2  | 417.74   | 416.36   | 408.43   | 414.17     | 1.21    | ppb   |
| Cobalt     | 59-2  | 215.40   | 211.06   | 208.22   | 211.56     | 1.71    | ppb   |
| Copper     | 63-2  | 314.24   | 313.17   | 306.64   | 311.35     | 1.32    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 101        |         | %     |
| Holmium    | 165-2 |          |          |          | 97         |         | %     |
| Indium     | 115-1 |          |          |          | 92         |         | %     |
| Indium     | 115-2 |          |          |          | 89         |         | %     |
| Iron       | 56-2  | 3203.44  | 3202.22  | 3131.93  | 3179.19    | 1.29    | ppb   |
| Iron       | 57-2  | 3312.05  | 3282.04  | 3220.09  | 3271.39    | 1.43    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 1039.86  | 1032.37  | 1033.54  | 1035.26    | 0.39    | ppb   |
| Lead       | 207-1 | 975.30   | 977.47   | 969.57   | 974.12     | 0.42    | ppb   |
| Lead       | 208-1 | 1011.69  | 1006.46  | 1005.60  | 1007.92    | 0.33    | ppb   |
| Lithium    | 6-1   |          |          |          | 87         |         | %     |
| Magnesium  | 24-2  | 4479.99  | 4523.75  | 4396.93  | 4466.89    | 1.44    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01A           | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042A          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:36:27 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 205.20   | 203.42   | 202.64   | 203.75     | 0.64    | ppb   |
| Molybdenum | 94-1  | 272.36   | 267.00   | 270.27   | 269.88     | 1.00    | ppb   |
| Molybdenum | 95-1  | 394.72   | 390.29   | 388.15   | 391.05     | 0.86    | ppb   |
| Molybdenum | 96-1  | 379.67   | 373.62   | 376.96   | 376.75     | 0.81    | ppb   |
| Molybdenum | 97-1  | 397.24   | 392.71   | 391.76   | 393.90     | 0.74    | ppb   |
| Molybdenum | 98-1  | 399.07   | 391.47   | 390.48   | 393.67     | 1.19    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 537.88   | 534.90   | 531.15   | 534.65     | 0.63    | ppb   |
| Phosphorus | 31-2  | 6315.17  | 6341.58  | 6142.64  | 6266.46    | 1.72    | ppb   |
| Potassium  | 39-2  | 10441.42 | 10333.04 | 10254.76 | 10343.07   | 0.91    | ppb   |
| Rhodium    | 103-1 |          |          |          | 87         |         | %     |
| Rhodium    | 103-2 |          |          |          | 88         |         | %     |
| Scandium   | 45-1  |          |          |          | 85         |         | %     |
| Scandium   | 45-2  |          |          |          | 88         |         | %     |
| Selenium   | 77-2  | 2045.04  | 2076.47  | 2027.82  | 2049.78    | 1.20    | ppb   |
| Selenium   | 78-2  | 2008.82  | 2074.16  | 2021.86  | 2034.95    | 1.70    | ppb   |
| Selenium   | 82-1  | 2035.83  | 1995.70  | 2010.72  | 2014.08    | 1.01    | ppb   |
| Silicon    | 28-1  | 1028.47  | 1026.43  | 1035.51  | 1030.14    | 0.46    | ppb   |
| Silver     | 109-1 | 77.34    | 77.34    | 76.62    | 77.10      | 0.53    | ppb   |
| Silver     | 107-1 | 76.36    | 77.08    | 76.22    | 76.55      | 0.60    | ppb   |
| Sodium     | 23-2  | 11298.47 | 11330.03 | 11026.85 | 11218.45   | 1.49    | ppb   |
| Strontium  | 86-1  | 210.45   | 208.07   | 206.14   | 208.22     | 1.04    | ppb   |
| Strontium  | 88-1  | 208.15   | 205.09   | 204.12   | 205.79     | 1.02    | ppb   |
| Sulfur     | 34-1  | 3082.08  | 2869.88  | 2884.46  | 2945.47    | 4.02    | ppb   |
| Terbium    | 159-1 |          |          |          | 100        |         | %     |
| Terbium    | 159-2 |          |          |          | 95         |         | %     |
| Thallium   | 203-1 | 2052.84  | 2032.60  | 2053.01  | 2046.15    | 0.57    | ppb   |
| Thallium   | 205-1 | 2042.08  | 2037.54  | 2048.87  | 2042.83    | 0.28    | ppb   |
| Thorium    | 232-1 | 0.03     | 0.03     | 0.03     | 0.03       | 2.23    | ppb   |
| Tin        | 118-1 | 711.05   | 707.75   | 688.60   | 702.47     | 1.73    | ppb   |
| Titanium   | 47-1  | 226.13   | 233.34   | 239.72   | 233.06     | 2.92    | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       | 32.60   | ppb   |
| Vanadium   | 51-2  | 311.49   | 312.05   | 304.13   | 309.22     | 1.43    | ppb   |
| Yttrium    | 89-1  |          |          |          | 91         |         | %     |
| Yttrium    | 89-2  |          |          |          | 90         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01A           | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042A          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:36:27 | DataFile Name :   | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 203.80  | 206.51  | 202.17  | 204.16     | 1.07    | ppb   |
| Zirconium | 90-1 | 0.42    | 0.35    | 0.35    | 0.37       | 10.55   | ppb   |
| Zirconium | 91-1 | 0.74    | 0.71    | 0.71    | 0.72       | 2.52    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-GIRLS-BR-A   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:40:02 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 7.71     | 9.41     | 9.04     | 8.72       | 10.29   | ppb   |
| Antimony   | 121-1 | 0.59     | 0.56     | 0.63     | 0.60       | 5.75    | ppb   |
| Arsenic    | 75-1  | 0.57     | 0.55     | 0.59     | 0.57       | 3.33    | ppb   |
| Barium     | 135-1 | 110.67   | 108.26   | 107.46   | 108.80     | 1.54    | ppb   |
| Barium     | 137-1 | 109.07   | 107.62   | 106.54   | 107.74     | 1.18    | ppb   |
| Beryllium  | 9-1   | 0.06     | 0.04     | 0.07     | 0.06       | 24.61   | ppb   |
| Bismuth    | 209-1 |          |          |          | 101        |         | %     |
| Bismuth    | 209-2 |          |          |          | 94         |         | %     |
| Boron      | 10-1  | 59.51    | 59.38    | 56.03    | 58.31      | 3.38    | ppb   |
| Boron      | 11-1  | 63.54    | 61.60    | 60.81    | 61.98      | 2.27    | ppb   |
| Cadmium    | 111-1 | -0.26    | -0.48    | -0.32    | -0.35      |         | ppb   |
| Cadmium    | 106-1 | -3.85    | -6.59    | -4.77    | -5.07      |         | ppb   |
| Cadmium    | 108-1 | 0.11     | -0.04    | -0.04    | 0.01       | 992.79  | ppb   |
| Calcium    | 43-1  | 46653.56 | 47072.75 | 47185.95 | 46970.75   | 0.60    | ppb   |
| Calcium    | 44-1  | 47500.58 | 48062.11 | 47661.89 | 47741.53   | 0.61    | ppb   |
| Chromium   | 52-2  | 0.50     | 0.53     | 0.51     | 0.51       | 2.94    | ppb   |
| Cobalt     | 59-2  | 0.06     | 0.07     | 0.06     | 0.06       | 5.61    | ppb   |
| Copper     | 63-2  | 13.67    | 13.96    | 13.84    | 13.82      | 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 |          |          |          | 102        |         | %     |
| Holmium    | 165-2 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 95         |         | %     |
| Indium     | 115-2 |          |          |          | 93         |         | %     |
| Iron       | 56-2  | 12.18    | 12.76    | 12.64    | 12.53      | 2.46    | ppb   |
| Iron       | 57-2  | 168.06   | 170.54   | 165.90   | 168.17     | 1.38    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.42     | 0.36     | 0.37     | 0.38       | 8.71    | ppb   |
| Lead       | 207-1 | 0.38     | 0.36     | 0.36     | 0.36       | 3.24    | ppb   |
| Lead       | 208-1 | 0.41     | 0.37     | 0.35     | 0.38       | 7.26    | ppb   |
| Lithium    | 6-1   |          |          |          | 89         |         | %     |
| Magnesium  | 24-2  | 15996.18 | 16291.50 | 16158.82 | 16148.83   | 0.92    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-GIRLS-BR-A   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:40:02 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 6.04     | 5.80     | 5.77     | 5.87       | 2.50    | ppb   |
| Molybdenum | 94-1  | 0.23     | 0.27     | 0.18     | 0.23       | 19.14   | ppb   |
| Molybdenum | 95-1  | 0.35     | 0.34     | 0.30     | 0.33       | 9.12    | ppb   |
| Molybdenum | 96-1  | 0.26     | 0.30     | 0.25     | 0.27       | 9.75    | ppb   |
| Molybdenum | 97-1  | 0.29     | 0.33     | 0.28     | 0.30       | 7.92    | ppb   |
| Molybdenum | 98-1  | 0.32     | 0.29     | 0.27     | 0.29       | 8.87    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.89     | 0.90     | 0.96     | 0.92       | 4.01    | ppb   |
| Phosphorus | 31-2  | 141.85   | 174.48   | 162.20   | 159.51     | 10.33   | ppb   |
| Potassium  | 39-2  | 1229.60  | 1253.71  | 1261.89  | 1248.40    | 1.34    | ppb   |
| Rhodium    | 103-1 |          |          |          | 88         |         | %     |
| Rhodium    | 103-2 |          |          |          | 91         |         | %     |
| Scandium   | 45-1  |          |          |          | 89         |         | %     |
| Scandium   | 45-2  |          |          |          | 93         |         | %     |
| Selenium   | 77-2  | 0.50     | 0.50     | 0.50     | 0.50       | 0.43    | ppb   |
| Selenium   | 78-2  | 0.41     | -0.02    | 0.39     | 0.26       | 93.55   | ppb   |
| Selenium   | 82-1  | 1.05     | 0.83     | 0.86     | 0.91       | 13.20   | ppb   |
| Silicon    | 28-1  | 8886.57  | 8965.07  | 9024.97  | 8958.87    | 0.77    | ppb   |
| Silver     | 109-1 | 0.01     | 0.01     | 0.01     | 0.01       | 10.06   | ppb   |
| Silver     | 107-1 | 0.02     | 0.01     | 0.01     | 0.01       | 38.57   | ppb   |
| Sodium     | 23-2  | 38681.05 | 38761.33 | 38812.71 | 38751.70   | 0.17    | ppb   |
| Strontium  | 86-1  | 133.66   | 134.83   | 133.74   | 134.08     | 0.49    | ppb   |
| Strontium  | 88-1  | 133.55   | 133.98   | 133.79   | 133.78     | 0.16    | ppb   |
| Sulfur     | 34-1  | 8272.44  | 8342.02  | 8438.76  | 8351.07    | 1.00    | ppb   |
| Terbium    | 159-1 |          |          |          | 102        |         | %     |
| Terbium    | 159-2 |          |          |          | 97         |         | %     |
| Thallium   | 203-1 | 0.62     | 0.52     | 0.48     | 0.54       | 13.30   | ppb   |
| Thallium   | 205-1 | 0.59     | 0.53     | 0.47     | 0.53       | 11.12   | ppb   |
| Thorium    | 232-1 | 0.01     | 0.01     | 0.01     | 0.01       | 14.84   | ppb   |
| Tin        | 118-1 | 0.28     | 0.20     | 0.23     | 0.24       | 17.61   | ppb   |
| Titanium   | 47-1  | 0.95     | 0.89     | 0.82     | 0.89       | 7.85    | ppb   |
| Uranium    | 238-1 | 0.33     | 0.35     | 0.33     | 0.34       | 2.60    | ppb   |
| Vanadium   | 51-2  | 1.12     | 1.10     | 1.06     | 1.09       | 2.60    | ppb   |
| Yttrium    | 89-1  |          |          |          | 94         |         | %     |
| Yttrium    | 89-2  |          |          |          | 93         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-GIRLS-BR-A   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:40:02 | DataFile Name :   | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 8.83    | 9.79    | 9.37    | 9.33       | 5.15    | ppb   |
| Zirconium | 90-1 | 0.01    | 0.00    | 0.00    | 0.00       | 1305.15 | ppb   |
| Zirconium | 91-1 | -0.01   | 0.00    | -0.01   | -0.01      |         | ppb   |



|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV95               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV95               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 13:43:38 | DataFile Name :   | 037CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 52633.65  | 52225.10  | 52987.10  | 52615.28   | 0.72    | ppb   |
| Antimony   | 121-1 | 481.14    | 480.95    | 480.76    | 480.95     | 0.04    | ppb   |
| Arsenic    | 75-1  | 482.27    | 475.67    | 476.73    | 478.22     | 0.74    | ppb   |
| Barium     | 135-1 | 2486.69   | 2479.54   | 2477.17   | 2481.13    | 0.20    | ppb   |
| Barium     | 137-1 | 2522.23   | 2526.19   | 2519.92   | 2522.78    | 0.13    | ppb   |
| Beryllium  | 9-1   | 489.56    | 490.76    | 485.91    | 488.74     | 0.52    | ppb   |
| Bismuth    | 209-1 |           |           |           | 92         |         | %     |
| Bismuth    | 209-2 |           |           |           | 88         |         | %     |
| Boron      | 10-1  | 477.66    | 500.08    | 495.70    | 491.15     | 2.42    | ppb   |
| Boron      | 11-1  | 492.84    | 499.66    | 490.17    | 494.22     | 0.99    | ppb   |
| Cadmium    | 111-1 | 457.00    | 457.59    | 456.23    | 456.94     | 0.15    | ppb   |
| Cadmium    | 106-1 | 469.87    | 462.09    | 470.26    | 467.41     | 0.99    | ppb   |
| Cadmium    | 108-1 | 471.87    | 463.78    | 466.74    | 467.46     | 0.88    | ppb   |
| Calcium    | 43-1  | 242093.37 | 239526.55 | 242715.08 | 241445.00  | 0.70    | ppb   |
| Calcium    | 44-1  | 240497.38 | 240001.68 | 242138.67 | 240879.25  | 0.46    | ppb   |
| Chromium   | 52-2  | 492.82    | 493.34    | 495.60    | 493.92     | 0.30    | ppb   |
| Cobalt     | 59-2  | 487.39    | 484.00    | 485.07    | 485.49     | 0.36    | ppb   |
| Copper     | 63-2  | 977.69    | 973.92    | 979.65    | 977.09     | 0.30    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 103        |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 91         |         | %     |
| Indium     | 115-2 |           |           |           | 88         |         | %     |
| Iron       | 56-2  | 127807.95 | 126807.04 | 127258.57 | 127291.19  | 0.39    | ppb   |
| Iron       | 57-2  | 127655.32 | 126103.29 | 126185.06 | 126647.89  | 0.69    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 520.95    | 514.42    | 510.60    | 515.32     | 1.02    | ppb   |
| Lead       | 207-1 | 512.91    | 512.43    | 508.61    | 511.32     | 0.46    | ppb   |
| Lead       | 208-1 | 518.92    | 516.81    | 512.48    | 516.07     | 0.64    | ppb   |
| Lithium    | 6-1   |           |           |           | 90         |         | %     |
| Magnesium  | 24-2  | 255427.67 | 254274.67 | 255483.72 | 255062.02  | 0.27    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV95               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV95               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 13:43:38 | DataFile Name :   | 037CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 979.93    | 976.73    | 984.59    | 980.42     | 0.40    | ppb   |
| Molybdenum | 94-1  | 2549.69   | 2513.60   | 2521.25   | 2528.18    | 0.75    | ppb   |
| Molybdenum | 95-1  | 2544.42   | 2523.84   | 2520.34   | 2529.53    | 0.51    | ppb   |
| Molybdenum | 96-1  | 2528.22   | 2497.59   | 2509.34   | 2511.72    | 0.62    | ppb   |
| Molybdenum | 97-1  | 2493.79   | 2461.28   | 2456.17   | 2470.41    | 0.83    | ppb   |
| Molybdenum | 98-1  | 2518.78   | 2485.33   | 2514.46   | 2506.19    | 0.73    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 483.34    | 480.12    | 482.04    | 481.84     | 0.34    | ppb   |
| Phosphorus | 31-2  | 9897.77   | 9856.38   | 10109.45  | 9954.53    | 1.36    | ppb   |
| Potassium  | 39-2  | 126377.24 | 126180.22 | 126352.73 | 126303.40  | 0.09    | ppb   |
| Rhodium    | 103-1 |           |           |           | 82         |         | %     |
| Rhodium    | 103-2 |           |           |           | 84         |         | %     |
| Scandium   | 45-1  |           |           |           | 89         |         | %     |
| Scandium   | 45-2  |           |           |           | 94         |         | %     |
| Selenium   | 77-2  | 461.09    | 485.31    | 471.43    | 472.61     | 2.57    | ppb   |
| Selenium   | 78-2  | 468.77    | 465.74    | 459.78    | 464.77     | 0.98    | ppb   |
| Selenium   | 82-1  | 462.32    | 460.90    | 456.94    | 460.05     | 0.61    | ppb   |
| Silicon    | 28-1  | 636.74    | 660.53    | 678.66    | 658.64     | 3.19    | ppb   |
| Silver     | 109-1 | 459.11    | 457.65    | 456.96    | 457.91     | 0.24    | ppb   |
| Silver     | 107-1 | 460.94    | 459.81    | 457.47    | 459.41     | 0.39    | ppb   |
| Sodium     | 23-2  | 249406.91 | 247561.22 | 248688.02 | 248552.05  | 0.37    | ppb   |
| Strontium  | 86-1  | 500.46    | 491.74    | 497.09    | 496.43     | 0.89    | ppb   |
| Strontium  | 88-1  | 507.10    | 501.66    | 500.17    | 502.98     | 0.72    | ppb   |
| Sulfur     | 34-1  | 9673.46   | 9775.86   | 9568.78   | 9672.70    | 1.07    | ppb   |
| Terbium    | 159-1 |           |           |           | 102        |         | %     |
| Terbium    | 159-2 |           |           |           | 96         |         | %     |
| Thallium   | 203-1 | 516.67    | 516.21    | 513.23    | 515.37     | 0.36    | ppb   |
| Thallium   | 205-1 | 532.42    | 534.02    | 524.10    | 530.18     | 1.00    | ppb   |
| Thorium    | 232-1 | 526.23    | 523.81    | 525.23    | 525.09     | 0.23    | ppb   |
| Tin        | 118-1 | 492.09    | 488.95    | 489.51    | 490.18     | 0.34    | ppb   |
| Titanium   | 47-1  | 2514.31   | 2498.70   | 2505.09   | 2506.03    | 0.31    | ppb   |
| Uranium    | 238-1 | 518.47    | 518.18    | 517.84    | 518.16     | 0.06    | ppb   |
| Vanadium   | 51-2  | 503.28    | 499.00    | 502.54    | 501.61     | 0.46    | ppb   |
| Yttrium    | 89-1  |           |           |           | 93         |         | %     |
| Yttrium    | 89-2  |           |           |           | 93         |         | %     |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV95               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV95               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 13:43:38 | DataFile Name :   | 037CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 972.72  | 966.81  | 972.97  | 970.83     | 0.36    | ppb   |
| Zirconium | 90-1 | 512.10  | 507.98  | 507.05  | 509.04     | 0.53    | ppb   |
| Zirconium | 91-1 | 502.91  | 496.80  | 498.99  | 499.57     | 0.62    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB95               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB95               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:47:16 | DataFile Name :   | 038CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 2.16    | 2.20    | 1.66    | 2.01       | 14.89   | ppb   |
| Antimony   | 121-1 | 0.43    | 0.44    | 0.44    | 0.43       | 1.06    | ppb   |
| Arsenic    | 75-1  | 0.06    | 0.05    | 0.12    | 0.07       | 53.61   | ppb   |
| Barium     | 135-1 | 0.09    | 0.13    | 0.05    | 0.09       | 47.82   | ppb   |
| Barium     | 137-1 | 0.15    | 0.11    | 0.10    | 0.12       | 20.50   | ppb   |
| Beryllium  | 9-1   | 0.07    | 0.09    | 0.09    | 0.08       | 12.02   | ppb   |
| Bismuth    | 209-1 |         |         |         | 110        |         | %     |
| Bismuth    | 209-2 |         |         |         | 103        |         | %     |
| Boron      | 10-1  | 17.93   | 16.56   | 16.52   | 17.00      | 4.73    | ppb   |
| Boron      | 11-1  | 19.27   | 17.92   | 17.28   | 18.16      | 5.58    | ppb   |
| Cadmium    | 111-1 | -0.23   | -0.31   | -0.35   | -0.30      |         | ppb   |
| Cadmium    | 106-1 | -3.39   | -4.71   | -4.86   | -4.32      |         | ppb   |
| Cadmium    | 108-1 | 0.01    | -0.02   | 0.10    | 0.03       | 185.22  | ppb   |
| Calcium    | 43-1  | 14.72   | 7.53    | 9.21    | 10.49      | 35.86   | ppb   |
| Calcium    | 44-1  | 10.71   | 9.84    | 7.90    | 9.49       | 15.17   | ppb   |
| Chromium   | 52-2  | 0.01    | 0.03    | 0.01    | 0.02       | 74.38   | ppb   |
| Cobalt     | 59-2  | 0.02    | 0.02    | 0.01    | 0.02       | 36.94   | ppb   |
| Copper     | 63-2  | 0.06    | 0.06    | 0.01    | 0.05       | 59.73   | 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 |         |         |         | 110        |         | %     |
| Holmium    | 165-2 |         |         |         | 105        |         | %     |
| Indium     | 115-1 |         |         |         | 105        |         | %     |
| Indium     | 115-2 |         |         |         | 103        |         | %     |
| Iron       | 56-2  | 5.12    | 4.69    | 4.68    | 4.83       | 5.23    | ppb   |
| Iron       | 57-2  | 4.19    | 4.78    | 4.20    | 4.39       | 7.64    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.06    | 0.05    | 0.06    | 0.05       | 11.65   | ppb   |
| Lead       | 207-1 | 0.05    | 0.05    | 0.04    | 0.05       | 8.10    | ppb   |
| Lead       | 208-1 | 0.06    | 0.05    | 0.05    | 0.05       | 5.88    | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 9.42    | 10.29   | 8.04    | 9.25       | 12.31   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB95               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB95               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:47:16 | DataFile Name :   | 038CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.02    | 0.03    | 0.04    | 0.03       | 25.06   | ppb   |
| Molybdenum | 94-1  | 0.51    | 0.46    | 0.47    | 0.48       | 4.79    | ppb   |
| Molybdenum | 95-1  | 0.68    | 0.63    | 0.49    | 0.60       | 15.87   | ppb   |
| Molybdenum | 96-1  | 0.62    | 0.56    | 0.59    | 0.59       | 5.36    | ppb   |
| Molybdenum | 97-1  | 0.70    | 0.66    | 0.54    | 0.63       | 12.99   | ppb   |
| Molybdenum | 98-1  | 0.66    | 0.59    | 0.52    | 0.59       | 12.11   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.02    | -0.02   | 0.02    | 0.01       | 365.02  | ppb   |
| Phosphorus | 31-2  | -30.03  | -33.55  | -32.05  | -31.88     |         | ppb   |
| Potassium  | 39-2  | -0.15   | 5.16    | 1.14    | 2.05       | 135.26  | ppb   |
| Rhodium    | 103-1 |         |         |         | 103        |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 103        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.90    | 0.81    | -0.14   | 0.53       | 109.31  | ppb   |
| Selenium   | 82-1  | -0.09   | 0.34    | 0.37    | 0.21       | 125.67  | ppb   |
| Silicon    | 28-1  | 4.77    | 4.05    | 2.90    | 3.90       | 24.15   | ppb   |
| Silver     | 109-1 | 0.04    | 0.03    | 0.03    | 0.04       | 23.50   | ppb   |
| Silver     | 107-1 | 0.03    | 0.03    | 0.03    | 0.03       | 3.63    | ppb   |
| Sodium     | 23-2  | 43.76   | 39.41   | 38.31   | 40.50      | 7.12    | ppb   |
| Strontium  | 86-1  | 0.03    | 0.00    | 0.07    | 0.03       | 116.64  | ppb   |
| Strontium  | 88-1  | 0.03    | 0.02    | 0.02    | 0.02       | 24.21   | ppb   |
| Sulfur     | 34-1  | -661.68 | -702.63 | -637.46 | -667.26    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 109        |         | %     |
| Terbium    | 159-2 |         |         |         | 103        |         | %     |
| Thallium   | 203-1 | 0.23    | 0.18    | 0.20    | 0.20       | 12.50   | ppb   |
| Thallium   | 205-1 | 0.21    | 0.19    | 0.18    | 0.19       | 7.84    | ppb   |
| Thorium    | 232-1 | 0.05    | 0.06    | 0.04    | 0.05       | 12.60   | ppb   |
| Tin        | 118-1 | 0.11    | 0.13    | 0.18    | 0.14       | 25.25   | ppb   |
| Titanium   | 47-1  | 0.08    | 0.12    | 0.13    | 0.11       | 20.70   | ppb   |
| Uranium    | 238-1 | 0.03    | 0.02    | 0.02    | 0.02       | 23.71   | ppb   |
| Vanadium   | 51-2  | 0.02    | 0.02    | 0.03    | 0.02       | 26.50   | ppb   |
| Yttrium    | 89-1  |         |         |         | 105        |         | %     |
| Yttrium    | 89-2  |         |         |         | 103        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB95               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB95               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:47:16 | DataFile Name :   | 038CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.00    | 0.05    | 0.01    | 0.02       | 130.91  | ppb   |
| Zirconium | 90-1 | 0.06    | 0.02    | 0.04    | 0.04       | 48.25   | ppb   |
| Zirconium | 91-1 | 0.05    | 0.03    | 0.02    | 0.03       | 42.82   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-BOYS-BR-A    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:50:52 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9.63     | 8.93     | 7.95     | 8.84       | 9.52    | ppb   |
| Antimony   | 121-1 | 0.19     | 0.19     | 0.21     | 0.20       | 4.95    | ppb   |
| Arsenic    | 75-1  | 0.55     | 0.36     | 0.51     | 0.47       | 21.19   | ppb   |
| Barium     | 135-1 | 110.80   | 110.32   | 111.78   | 110.97     | 0.67    | ppb   |
| Barium     | 137-1 | 109.39   | 109.48   | 108.44   | 109.10     | 0.53    | ppb   |
| Beryllium  | 9-1   | 0.06     | 0.05     | 0.09     | 0.07       | 30.61   | ppb   |
| Bismuth    | 209-1 |          |          |          | 102        |         | %     |
| Bismuth    | 209-2 |          |          |          | 96         |         | %     |
| Boron      | 10-1  | 52.68    | 53.17    | 51.86    | 52.57      | 1.26    | ppb   |
| Boron      | 11-1  | 53.74    | 54.72    | 52.88    | 53.78      | 1.72    | ppb   |
| Cadmium    | 111-1 | -0.40    | -0.24    | -0.34    | -0.33      |         | ppb   |
| Cadmium    | 106-1 | -5.43    | -3.69    | -4.58    | -4.57      |         | ppb   |
| Cadmium    | 108-1 | 0.14     | -0.04    | 0.02     | 0.04       | 242.42  | ppb   |
| Calcium    | 43-1  | 47765.79 | 47545.14 | 47009.54 | 47440.16   | 0.82    | ppb   |
| Calcium    | 44-1  | 48193.64 | 48154.96 | 47894.77 | 48081.12   | 0.34    | ppb   |
| Chromium   | 52-2  | 0.47     | 0.46     | 0.46     | 0.46       | 1.20    | ppb   |
| Cobalt     | 59-2  | 0.05     | 0.06     | 0.06     | 0.06       | 6.87    | ppb   |
| Copper     | 63-2  | 18.57    | 18.24    | 18.44    | 18.42      | 0.90    | 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 |          |          |          | 100        |         | %     |
| Indium     | 115-1 |          |          |          | 98         |         | %     |
| Indium     | 115-2 |          |          |          | 96         |         | %     |
| Iron       | 56-2  | 20.97    | 20.89    | 20.73    | 20.86      | 0.57    | ppb   |
| Iron       | 57-2  | 180.26   | 191.15   | 184.83   | 185.41     | 2.95    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.53     | 0.54     | 0.50     | 0.52       | 3.18    | ppb   |
| Lead       | 207-1 | 0.47     | 0.48     | 0.51     | 0.48       | 4.38    | ppb   |
| Lead       | 208-1 | 0.50     | 0.49     | 0.50     | 0.50       | 1.02    | ppb   |
| Lithium    | 6-1   |          |          |          | 94         |         | %     |
| Magnesium  | 24-2  | 16136.51 | 16176.37 | 16166.88 | 16159.92   | 0.13    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-BOYS-BR-A    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:50:52 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 7.95     | 7.91     | 8.06     | 7.97       | 0.98    | ppb   |
| Molybdenum | 94-1  | 0.32     | 0.22     | 0.24     | 0.26       | 19.90   | ppb   |
| Molybdenum | 95-1  | 0.33     | 0.28     | 0.32     | 0.31       | 7.57    | ppb   |
| Molybdenum | 96-1  | 0.27     | 0.26     | 0.31     | 0.28       | 10.08   | ppb   |
| Molybdenum | 97-1  | 0.30     | 0.31     | 0.28     | 0.30       | 6.51    | ppb   |
| Molybdenum | 98-1  | 0.30     | 0.32     | 0.29     | 0.30       | 6.17    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 1.09     | 1.08     | 0.99     | 1.05       | 5.27    | ppb   |
| Phosphorus | 31-2  | 141.54   | 167.87   | 200.58   | 169.99     | 17.40   | ppb   |
| Potassium  | 39-2  | 1239.22  | 1250.37  | 1259.38  | 1249.66    | 0.81    | ppb   |
| Rhodium    | 103-1 |          |          |          | 93         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 94         |         | %     |
| Scandium   | 45-2  |          |          |          | 98         |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.24    | -0.09    | -0.24    | -0.19      |         | ppb   |
| Selenium   | 82-1  | 0.63     | 0.79     | 0.26     | 0.56       | 49.21   | ppb   |
| Silicon    | 28-1  | 9152.82  | 9090.22  | 9066.97  | 9103.34    | 0.49    | ppb   |
| Silver     | 109-1 | 0.03     | 0.01     | 0.00     | 0.01       | 81.06   | ppb   |
| Silver     | 107-1 | 0.00     | 0.01     | 0.01     | 0.01       | 31.80   | ppb   |
| Sodium     | 23-2  | 39082.38 | 38723.65 | 38939.62 | 38915.22   | 0.46    | ppb   |
| Strontium  | 86-1  | 134.21   | 136.38   | 134.46   | 135.02     | 0.88    | ppb   |
| Strontium  | 88-1  | 134.78   | 133.81   | 134.06   | 134.22     | 0.38    | ppb   |
| Sulfur     | 34-1  | 8626.84  | 8457.85  | 8394.97  | 8493.22    | 1.41    | ppb   |
| Terbium    | 159-1 |          |          |          | 104        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 0.11     | 0.11     | 0.11     | 0.11       | 1.56    | ppb   |
| Thallium   | 205-1 | 0.12     | 0.12     | 0.12     | 0.12       | 1.72    | ppb   |
| Thorium    | 232-1 | 0.02     | 0.02     | 0.02     | 0.02       | 10.58   | ppb   |
| Tin        | 118-1 | 0.09     | 0.08     | 0.08     | 0.09       | 7.71    | ppb   |
| Titanium   | 47-1  | 0.92     | 1.03     | 0.87     | 0.94       | 8.83    | ppb   |
| Uranium    | 238-1 | 0.34     | 0.33     | 0.34     | 0.34       | 1.03    | ppb   |
| Vanadium   | 51-2  | 1.12     | 1.13     | 1.12     | 1.12       | 0.82    | ppb   |
| Yttrium    | 89-1  |          |          |          | 97         |         | %     |
| Yttrium    | 89-2  |          |          |          | 97         |         | %     |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-BOYS-BR-A    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:50:52 | DataFile Name :   | 039SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 10.36   | 10.38   | 10.59   | 10.44      | 1.19    | ppb   |
| Zirconium | 90-1 | 0.03    | 0.01    | 0.02    | 0.02       | 77.82   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.02    | 0.03    | 0.02       | 29.14   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2912-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390502112           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:58:04 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD  | Units |
|------------|-------|---------|---------|---------|------------|----------|-------|
| Aluminium  | 27-2  | 2.40    | 1.31    | 2.40    | 2.03       | 30.89    | ppb   |
| Antimony   | 121-1 | 0.07    | 0.08    | 0.08    | 0.08       | 5.62     | ppb   |
| Arsenic    | 75-1  | 0.07    | 0.03    | 0.04    | 0.05       | 43.27    | ppb   |
| Barium     | 135-1 | 0.03    | 0.04    | 0.03    | 0.03       | 17.95    | ppb   |
| Barium     | 137-1 | 0.03    | 0.03    | 0.03    | 0.03       | 5.13     | ppb   |
| Beryllium  | 9-1   | 0.03    | 0.02    | 0.05    | 0.03       | 46.67    | ppb   |
| Bismuth    | 209-1 |         |         |         | 101        |          | %     |
| Bismuth    | 209-2 |         |         |         | 96         |          | %     |
| Boron      | 10-1  | 6.82    | 5.73    | 5.43    | 5.99       | 12.18    | ppb   |
| Boron      | 11-1  | 6.46    | 5.91    | 5.40    | 5.93       | 8.92     | ppb   |
| Cadmium    | 111-1 | -0.46   | -0.45   | -0.45   | -0.45      |          | ppb   |
| Cadmium    | 106-1 | -6.28   | -5.84   | -5.88   | -6.00      |          | ppb   |
| Cadmium    | 108-1 | -0.01   | 0.08    | -0.07   | 0.00       | 37431.45 | ppb   |
| Calcium    | 43-1  | 6.39    | 5.14    | 5.45    | 5.66       | 11.54    | ppb   |
| Calcium    | 44-1  | 6.53    | 5.69    | 5.74    | 5.99       | 7.82     | ppb   |
| Chromium   | 52-2  | 0.30    | 0.27    | 0.28    | 0.29       | 5.49     | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       | 205.94   | ppb   |
| Copper     | 63-2  | 0.05    | 0.07    | 0.06    | 0.06       | 19.24    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |          | cps   |
| Dysprosium | 156-2 |         |         |         |            |          | cps   |
| Erbium     | 164-1 |         |         |         |            |          | cps   |
| Erbium     | 164-2 |         |         |         |            |          | cps   |
| Gadolinium | 160-1 |         |         |         |            |          | cps   |
| Gadolinium | 160-2 |         |         |         |            |          | cps   |
| Holmium    | 165-1 |         |         |         | 100        |          | %     |
| Holmium    | 165-2 |         |         |         | 97         |          | %     |
| Indium     | 115-1 |         |         |         | 96         |          | %     |
| Indium     | 115-2 |         |         |         | 94         |          | %     |
| Iron       | 56-2  | 3.14    | 3.11    | 3.13    | 3.13       | 0.52     | ppb   |
| Iron       | 57-2  | 4.21    | 4.12    | 1.69    | 3.34       | 42.77    | ppb   |
| Krypton    | 83-1  |         |         |         |            |          | cps   |
| Lead       | 206-1 | 0.04    | 0.07    | 0.06    | 0.06       | 24.01    | ppb   |
| Lead       | 207-1 | 0.04    | 0.04    | 0.04    | 0.04       | 1.57     | ppb   |
| Lead       | 208-1 | 0.05    | 0.05    | 0.05    | 0.05       | 4.35     | ppb   |
| Lithium    | 6-1   |         |         |         | 90         |          | %     |
| Magnesium  | 24-2  | 1.15    | 1.70    | 1.15    | 1.34       | 23.54    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2912-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390502112           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:58:04 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.07    | 0.10    | 0.07    | 0.08       | 21.89   | ppb   |
| Molybdenum | 94-1  | 0.07    | 0.03    | 0.03    | 0.04       | 52.55   | ppb   |
| Molybdenum | 95-1  | 0.06    | 0.04    | 0.06    | 0.05       | 20.21   | ppb   |
| Molybdenum | 96-1  | 0.06    | 0.04    | 0.01    | 0.04       | 70.36   | ppb   |
| Molybdenum | 97-1  | 0.05    | 0.05    | 0.05    | 0.05       | 3.90    | ppb   |
| Molybdenum | 98-1  | 0.06    | 0.05    | 0.07    | 0.06       | 15.25   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.09    | 0.09    | 0.07    | 0.08       | 14.39   | ppb   |
| Phosphorus | 31-2  | -30.10  | -47.86  | -43.59  | -40.52     |         | ppb   |
| Potassium  | 39-2  | -1.63   | -2.71   | 0.07    | -1.43      |         | ppb   |
| Rhodium    | 103-1 |         |         |         | 91         |         | %     |
| Rhodium    | 103-2 |         |         |         | 94         |         | %     |
| Scandium   | 45-1  |         |         |         | 89         |         | %     |
| Scandium   | 45-2  |         |         |         | 94         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.44   | -0.02   | -0.53   | -0.33      |         | ppb   |
| Selenium   | 82-1  | 0.35    | -0.37   | 0.11    | 0.03       | 1225.83 | ppb   |
| Silicon    | 28-1  | 5.22    | 5.21    | 5.91    | 5.45       | 7.35    | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.00    | 0.00       | 107.11  | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |
| Sodium     | 23-2  | 5.77    | 4.41    | 5.16    | 5.11       | 13.33   | ppb   |
| Strontium  | 86-1  | 0.03    | -0.03   | 0.00    | 0.00       |         | ppb   |
| Strontium  | 88-1  | 0.01    | 0.02    | 0.01    | 0.01       | 30.22   | ppb   |
| Sulfur     | 34-1  | -305.50 | -324.66 | -436.92 | -355.69    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 100        |         | %     |
| Terbium    | 159-2 |         |         |         | 96         |         | %     |
| Thallium   | 203-1 | 0.07    | 0.05    | 0.05    | 0.06       | 14.80   | ppb   |
| Thallium   | 205-1 | 0.06    | 0.05    | 0.05    | 0.06       | 6.16    | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01    | 0.01    | 0.01       | 21.05   | ppb   |
| Tin        | 118-1 | 0.03    | 0.02    | 0.05    | 0.03       | 41.32   | ppb   |
| Titanium   | 47-1  | 0.22    | 0.36    | 0.20    | 0.26       | 33.23   | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 0.72    | ppb   |
| Yttrium    | 89-1  |         |         |         | 94         |         | %     |
| Yttrium    | 89-2  |         |         |         | 94         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2912-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390502112           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:58:04 | DataFile Name :   | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1.47    | 1.36    | 1.24    | 1.36       | 8.42    | ppb   |
| Zirconium | 90-1 | 0.02    | 0.01    | 0.01    | 0.01       | 41.22   | ppb   |
| Zirconium | 91-1 | 0.00    | -0.02   | 0.01    | 0.00       |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | FIELD-BLANK         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:14:15 | DataFile Name :   | 042SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 8.19    | 5.53    | 8.35    | 7.36       | 21.50   | ppb   |
| Antimony   | 121-1 | 0.05    | 0.06    | 0.06    | 0.06       | 6.60    | ppb   |
| Arsenic    | 75-1  | 0.01    | 0.01    | -0.05   | -0.01      |         | ppb   |
| Barium     | 135-1 | 0.05    | 0.07    | 0.03    | 0.05       | 34.70   | ppb   |
| Barium     | 137-1 | 0.04    | 0.05    | 0.04    | 0.04       | 11.64   | ppb   |
| Beryllium  | 9-1   | 0.01    | 0.02    | 0.03    | 0.02       | 36.41   | ppb   |
| Bismuth    | 209-1 |         |         |         | 98         |         | %     |
| Bismuth    | 209-2 |         |         |         | 93         |         | %     |
| Boron      | 10-1  | 2.59    | 2.37    | 2.23    | 2.40       | 7.56    | ppb   |
| Boron      | 11-1  | 3.30    | 3.40    | 3.03    | 3.25       | 5.83    | ppb   |
| Cadmium    | 111-1 | -0.43   | -0.45   | -0.27   | -0.38      |         | ppb   |
| Cadmium    | 106-1 | -5.61   | -5.83   | -3.59   | -5.01      |         | ppb   |
| Cadmium    | 108-1 | 0.02    | -0.04   | 0.02    | 0.00       | 2389.08 | ppb   |
| Calcium    | 43-1  | 32.69   | 28.42   | 20.55   | 27.22      | 22.63   | ppb   |
| Calcium    | 44-1  | 28.10   | 29.14   | 28.70   | 28.64      | 1.82    | ppb   |
| Chromium   | 52-2  | 0.37    | 0.35    | 0.36    | 0.36       | 2.18    | ppb   |
| Cobalt     | 59-2  | 0.01    | 0.01    | 0.00    | 0.01       | 51.27   | ppb   |
| Copper     | 63-2  | 0.26    | 0.27    | 0.31    | 0.28       | 8.94    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 98         |         | %     |
| Holmium    | 165-2 |         |         |         | 96         |         | %     |
| Indium     | 115-1 |         |         |         | 94         |         | %     |
| Indium     | 115-2 |         |         |         | 93         |         | %     |
| Iron       | 56-2  | 0.56    | 0.60    | 0.62    | 0.59       | 4.88    | ppb   |
| Iron       | 57-2  | -0.37   | -0.40   | 0.28    | -0.16      |         | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.03    | 0.03    | 0.03    | 0.03       | 8.55    | ppb   |
| Lead       | 207-1 | 0.04    | 0.04    | 0.03    | 0.04       | 15.48   | ppb   |
| Lead       | 208-1 | 0.03    | 0.03    | 0.03    | 0.03       | 4.85    | ppb   |
| Lithium    | 6-1   |         |         |         | 91         |         | %     |
| Magnesium  | 24-2  | 1.90    | 1.65    | 2.52    | 2.02       | 22.08   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | FIELD-BLANK         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:14:15 | DataFile Name :   | 042SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.03    | 0.07    | 0.06    | 0.05       | 33.51   | ppb   |
| Molybdenum | 94-1  | 0.04    | 0.04    | 0.02    | 0.03       | 28.87   | ppb   |
| Molybdenum | 95-1  | 0.04    | 0.02    | 0.01    | 0.03       | 68.59   | ppb   |
| Molybdenum | 96-1  | 0.01    | 0.01    | 0.01    | 0.01       | 22.85   | ppb   |
| Molybdenum | 97-1  | 0.00    | 0.02    | 0.04    | 0.02       | 89.08   | ppb   |
| Molybdenum | 98-1  | 0.03    | 0.03    | 0.02    | 0.02       | 17.58   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.09    | 0.11    | 0.12    | 0.11       | 15.34   | ppb   |
| Phosphorus | 31-2  | -29.13  | -36.47  | -31.75  | -32.45     |         | ppb   |
| Potassium  | 39-2  | 0.82    | 4.59    | -0.45   | 1.65       | 158.89  | ppb   |
| Rhodium    | 103-1 |         |         |         | 89         |         | %     |
| Rhodium    | 103-2 |         |         |         | 93         |         | %     |
| Scandium   | 45-1  |         |         |         | 89         |         | %     |
| Scandium   | 45-2  |         |         |         | 93         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.15    | 0.09    | 0.24    | 0.16       | 48.49   | ppb   |
| Selenium   | 82-1  | 0.14    | -0.14   | -0.20   | -0.07      |         | ppb   |
| Silicon    | 28-1  | 8.27    | 8.17    | 9.24    | 8.56       | 6.91    | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | -0.01   | 0.00       |         | ppb   |
| Sodium     | 23-2  | 11.29   | 10.08   | 10.32   | 10.56      | 6.07    | ppb   |
| Strontium  | 86-1  | 0.20    | 0.10    | 0.14    | 0.14       | 33.07   | ppb   |
| Strontium  | 88-1  | 0.12    | 0.12    | 0.10    | 0.11       | 10.28   | ppb   |
| Sulfur     | 34-1  | 244.69  | 253.83  | 116.86  | 205.13     | 37.33   | ppb   |
| Terbium    | 159-1 |         |         |         | 99         |         | %     |
| Terbium    | 159-2 |         |         |         | 95         |         | %     |
| Thallium   | 203-1 | 0.02    | 0.02    | 0.03    | 0.02       | 22.45   | ppb   |
| Thallium   | 205-1 | 0.03    | 0.03    | 0.02    | 0.03       | 17.63   | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01    | 0.01    | 0.01       | 12.02   | ppb   |
| Tin        | 118-1 | 0.04    | 0.07    | 0.06    | 0.06       | 24.85   | ppb   |
| Titanium   | 47-1  | 0.06    | 0.01    | 0.00    | 0.02       | 143.61  | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 1105.35 | ppb   |
| Yttrium    | 89-1  |         |         |         | 93         |         | %     |
| Yttrium    | 89-2  |         |         |         | 93         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | FIELD-BLANK         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:14:15 | DataFile Name :   | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.76    | 0.68    | 0.60    | 0.68       | 12.14   | ppb   |
| Zirconium | 90-1 | 0.01    | 0.00    | 0.01    | 0.01       | 14.82   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.00    | 0.00    | 0.01       | 209.84  | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV96               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV96               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 14:22:42 | DataFile Name :   | 044CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 50608.75  | 50382.28  | 50102.13  | 50364.39   | 0.50    | ppb   |
| Antimony   | 121-1 | 497.29    | 495.69    | 495.91    | 496.30     | 0.17    | ppb   |
| Arsenic    | 75-1  | 500.24    | 496.47    | 496.99    | 497.90     | 0.41    | ppb   |
| Barium     | 135-1 | 2577.73   | 2570.91   | 2580.71   | 2576.45    | 0.20    | ppb   |
| Barium     | 137-1 | 2613.15   | 2621.43   | 2597.71   | 2610.76    | 0.46    | ppb   |
| Beryllium  | 9-1   | 507.83    | 507.95    | 509.33    | 508.37     | 0.16    | ppb   |
| Bismuth    | 209-1 |           |           |           | 91         |         | %     |
| Bismuth    | 209-2 |           |           |           | 87         |         | %     |
| Boron      | 10-1  | 507.04    | 509.71    | 520.84    | 512.53     | 1.43    | ppb   |
| Boron      | 11-1  | 505.20    | 512.80    | 519.54    | 512.52     | 1.40    | ppb   |
| Cadmium    | 111-1 | 480.38    | 470.16    | 470.91    | 473.82     | 1.20    | ppb   |
| Cadmium    | 106-1 | 493.70    | 469.42    | 471.39    | 478.17     | 2.82    | ppb   |
| Cadmium    | 108-1 | 484.10    | 477.69    | 469.57    | 477.12     | 1.53    | ppb   |
| Calcium    | 43-1  | 227833.62 | 229404.60 | 228386.39 | 228541.54  | 0.35    | ppb   |
| Calcium    | 44-1  | 227769.63 | 228250.27 | 228011.30 | 228010.40  | 0.11    | ppb   |
| Chromium   | 52-2  | 516.59    | 513.24    | 513.53    | 514.45     | 0.36    | ppb   |
| Cobalt     | 59-2  | 509.78    | 508.19    | 508.95    | 508.97     | 0.16    | ppb   |
| Copper     | 63-2  | 1011.32   | 1008.32   | 1009.45   | 1009.70    | 0.15    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 103        |         | %     |
| Holmium    | 165-2 |           |           |           | 97         |         | %     |
| Indium     | 115-1 |           |           |           | 90         |         | %     |
| Indium     | 115-2 |           |           |           | 87         |         | %     |
| Iron       | 56-2  | 122705.34 | 121262.47 | 121394.72 | 121787.51  | 0.65    | ppb   |
| Iron       | 57-2  | 120246.46 | 119675.43 | 120973.59 | 120298.50  | 0.54    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 537.13    | 542.37    | 544.24    | 541.25     | 0.68    | ppb   |
| Lead       | 207-1 | 529.94    | 532.74    | 531.01    | 531.23     | 0.27    | ppb   |
| Lead       | 208-1 | 535.85    | 540.26    | 538.05    | 538.06     | 0.41    | ppb   |
| Lithium    | 6-1   |           |           |           | 91         |         | %     |
| Magnesium  | 24-2  | 245548.49 | 243366.28 | 245058.29 | 244657.68  | 0.47    | ppb   |



|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV96               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV96               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 14:22:42 | DataFile Name :   | 044CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 1026.13   | 1021.40   | 1026.88   | 1024.80    | 0.29    | ppb   |
| Molybdenum | 94-1  | 2512.65   | 2509.74   | 2519.80   | 2514.06    | 0.21    | ppb   |
| Molybdenum | 95-1  | 2444.07   | 2458.72   | 2463.69   | 2455.49    | 0.42    | ppb   |
| Molybdenum | 96-1  | 2440.53   | 2445.97   | 2448.03   | 2444.84    | 0.16    | ppb   |
| Molybdenum | 97-1  | 2414.31   | 2398.38   | 2407.09   | 2406.59    | 0.33    | ppb   |
| Molybdenum | 98-1  | 2440.07   | 2423.71   | 2439.51   | 2434.43    | 0.38    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 502.27    | 497.23    | 502.64    | 500.71     | 0.60    | ppb   |
| Phosphorus | 31-2  | 10714.63  | 10400.22  | 10352.89  | 10489.25   | 1.87    | ppb   |
| Potassium  | 39-2  | 120937.48 | 119354.81 | 120170.51 | 120154.27  | 0.66    | ppb   |
| Rhodium    | 103-1 |           |           |           | 81         |         | %     |
| Rhodium    | 103-2 |           |           |           | 83         |         | %     |
| Scandium   | 45-1  |           |           |           | 87         |         | %     |
| Scandium   | 45-2  |           |           |           | 91         |         | %     |
| Selenium   | 77-2  | 510.39    | 489.87    | 520.74    | 507.00     | 3.10    | ppb   |
| Selenium   | 78-2  | 497.50    | 479.06    | 499.31    | 491.96     | 2.28    | ppb   |
| Selenium   | 82-1  | 484.25    | 480.36    | 486.81    | 483.80     | 0.67    | ppb   |
| Silicon    | 28-1  | 620.03    | 631.61    | 647.13    | 632.93     | 2.15    | ppb   |
| Silver     | 109-1 | 475.37    | 470.49    | 472.06    | 472.64     | 0.53    | ppb   |
| Silver     | 107-1 | 478.20    | 471.93    | 471.23    | 473.79     | 0.81    | ppb   |
| Sodium     | 23-2  | 241714.06 | 238725.75 | 238521.39 | 239653.74  | 0.75    | ppb   |
| Strontium  | 86-1  | 518.20    | 517.63    | 517.63    | 517.82     | 0.06    | ppb   |
| Strontium  | 88-1  | 522.77    | 524.55    | 523.50    | 523.61     | 0.17    | ppb   |
| Sulfur     | 34-1  | 10410.35  | 10377.63  | 10218.31  | 10335.43   | 0.99    | ppb   |
| Terbium    | 159-1 |           |           |           | 102        |         | %     |
| Terbium    | 159-2 |           |           |           | 95         |         | %     |
| Thallium   | 203-1 | 542.65    | 547.11    | 548.27    | 546.01     | 0.54    | ppb   |
| Thallium   | 205-1 | 550.55    | 557.84    | 558.37    | 555.59     | 0.79    | ppb   |
| Thorium    | 232-1 | 537.82    | 542.44    | 546.26    | 542.17     | 0.78    | ppb   |
| Tin        | 118-1 | 504.33    | 502.77    | 506.28    | 504.46     | 0.35    | ppb   |
| Titanium   | 47-1  | 2440.60   | 2436.51   | 2440.21   | 2439.10    | 0.09    | ppb   |
| Uranium    | 238-1 | 538.35    | 540.61    | 546.23    | 541.73     | 0.75    | ppb   |
| Vanadium   | 51-2  | 525.10    | 519.29    | 519.22    | 521.20     | 0.65    | ppb   |
| Yttrium    | 89-1  |           |           |           | 92         |         | %     |
| Yttrium    | 89-2  |           |           |           | 91         |         | %     |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV96               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV96               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 14:22:42 | DataFile Name :   | 044CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1013.81 | 1006.28 | 1007.81 | 1009.30    | 0.39    | ppb   |
| Zirconium | 90-1 | 532.78  | 530.70  | 532.60  | 532.03     | 0.22    | ppb   |
| Zirconium | 91-1 | 519.43  | 520.91  | 523.14  | 521.16     | 0.36    | ppb   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : CCB96 Instrumnet Name : P7  
 Client Sample ID : CCB96 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 14:26:20 DataFile Name : 045CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 2.19    | 2.80    | 1.60    | 2.19       | 27.32   | ppb   |
| Antimony   | 121-1 | 0.37    | 0.36    | 0.43    | 0.38       | 10.09   | ppb   |
| Arsenic    | 75-1  | 0.07    | 0.07    | 0.08    | 0.08       | 6.74    | ppb   |
| Barium     | 135-1 | 0.16    | 0.15    | 0.13    | 0.15       | 11.01   | ppb   |
| Barium     | 137-1 | 0.16    | 0.15    | 0.14    | 0.15       | 9.05    | ppb   |
| Beryllium  | 9-1   | 0.07    | 0.08    | 0.11    | 0.08       | 24.58   | ppb   |
| Bismuth    | 209-1 |         |         |         | 113        |         | %     |
| Bismuth    | 209-2 |         |         |         | 103        |         | %     |
| Boron      | 10-1  | 17.73   | 15.96   | 14.54   | 16.08      | 9.94    | ppb   |
| Boron      | 11-1  | 17.02   | 15.11   | 14.98   | 15.70      | 7.26    | ppb   |
| Cadmium    | 111-1 | -0.33   | -0.37   | -0.37   | -0.35      |         | ppb   |
| Cadmium    | 106-1 | -5.12   | -5.33   | -5.34   | -5.26      |         | ppb   |
| Cadmium    | 108-1 | 0.01    | 0.01    | 0.01    | 0.01       | 4.99    | ppb   |
| Calcium    | 43-1  | 16.45   | 7.90    | 16.21   | 13.52      | 35.99   | ppb   |
| Calcium    | 44-1  | 11.23   | 10.42   | 9.61    | 10.42      | 7.81    | ppb   |
| Chromium   | 52-2  | -0.03   | -0.07   | -0.06   | -0.05      |         | ppb   |
| Cobalt     | 59-2  | 0.02    | 0.02    | 0.01    | 0.02       | 26.98   | ppb   |
| Copper     | 63-2  | 0.04    | 0.05    | 0.04    | 0.04       | 13.23   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 112        |         | %     |
| Holmium    | 165-2 |         |         |         | 105        |         | %     |
| Indium     | 115-1 |         |         |         | 107        |         | %     |
| Indium     | 115-2 |         |         |         | 101        |         | %     |
| Iron       | 56-2  | 6.00    | 5.32    | 4.62    | 5.31       | 13.07   | ppb   |
| Iron       | 57-2  | 6.21    | 4.76    | 3.35    | 4.77       | 29.99   | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.05    | 0.04    | 0.05    | 0.05       | 13.23   | ppb   |
| Lead       | 207-1 | 0.06    | 0.06    | 0.04    | 0.05       | 13.94   | ppb   |
| Lead       | 208-1 | 0.05    | 0.05    | 0.04    | 0.05       | 7.49    | ppb   |
| Lithium    | 6-1   |         |         |         | 106        |         | %     |
| Magnesium  | 24-2  | 11.71   | 9.39    | 8.80    | 9.97       | 15.46   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB96               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB96               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:26:20 | DataFile Name :   | 045CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD  | Units |
|------------|-------|---------|---------|---------|------------|----------|-------|
| Manganese  | 55-2  | 0.03    | 0.02    | 0.05    | 0.04       | 41.74    | ppb   |
| Molybdenum | 94-1  | 0.70    | 0.68    | 0.47    | 0.62       | 20.21    | ppb   |
| Molybdenum | 95-1  | 0.85    | 0.79    | 0.68    | 0.77       | 11.35    | ppb   |
| Molybdenum | 96-1  | 0.75    | 0.75    | 0.63    | 0.71       | 9.53     | ppb   |
| Molybdenum | 97-1  | 0.90    | 0.72    | 0.69    | 0.77       | 15.17    | ppb   |
| Molybdenum | 98-1  | 0.79    | 0.77    | 0.69    | 0.75       | 7.21     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |          | cps   |
| Neodymium  | 150-2 |         |         |         |            |          | cps   |
| Nickel     | 60-2  | 0.01    | -0.01   | 0.01    | 0.01       | 210.41   | ppb   |
| Phosphorus | 31-2  | -52.26  | -43.98  | -43.71  | -46.65     |          | ppb   |
| Potassium  | 39-2  | 1.10    | -0.56   | 0.38    | 0.31       | 268.51   | ppb   |
| Rhodium    | 103-1 |         |         |         | 104        |          | %     |
| Rhodium    | 103-2 |         |         |         | 101        |          | %     |
| Scandium   | 45-1  |         |         |         | 100        |          | %     |
| Scandium   | 45-2  |         |         |         | 102        |          | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A      | ppb   |
| Selenium   | 78-2  | 0.27    | -0.02   | -0.24   | 0.00       | 25566.20 | ppb   |
| Selenium   | 82-1  | 0.66    | 0.48    | 0.48    | 0.54       | 19.73    | ppb   |
| Silicon    | 28-1  | 0.70    | -0.03   | -0.49   | 0.06       | 1041.54  | ppb   |
| Silver     | 109-1 | 0.06    | 0.04    | 0.05    | 0.05       | 23.51    | ppb   |
| Silver     | 107-1 | 0.04    | 0.03    | 0.03    | 0.03       | 20.97    | ppb   |
| Sodium     | 23-2  | 58.14   | 55.35   | 52.98   | 55.49      | 4.65     | ppb   |
| Strontium  | 86-1  | -0.01   | 0.00    | 0.01    | 0.00       |          | ppb   |
| Strontium  | 88-1  | 0.03    | 0.03    | 0.03    | 0.03       | 3.07     | ppb   |
| Sulfur     | 34-1  | -893.18 | -790.40 | -830.14 | -837.91    |          | ppb   |
| Terbium    | 159-1 |         |         |         | 112        |          | %     |
| Terbium    | 159-2 |         |         |         | 104        |          | %     |
| Thallium   | 203-1 | 0.17    | 0.13    | 0.15    | 0.15       | 13.78    | ppb   |
| Thallium   | 205-1 | 0.15    | 0.16    | 0.15    | 0.15       | 3.17     | ppb   |
| Thorium    | 232-1 | 0.07    | 0.07    | 0.06    | 0.07       | 7.46     | ppb   |
| Tin        | 118-1 | 0.17    | 0.14    | 0.15    | 0.15       | 8.52     | ppb   |
| Titanium   | 47-1  | 0.19    | 0.27    | 0.08    | 0.18       | 50.76    | ppb   |
| Uranium    | 238-1 | 0.03    | 0.02    | 0.02    | 0.02       | 9.69     | ppb   |
| Vanadium   | 51-2  | 0.01    | 0.01    | 0.02    | 0.01       | 53.69    | ppb   |
| Yttrium    | 89-1  |         |         |         | 105        |          | %     |
| Yttrium    | 89-2  |         |         |         | 101        |          | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB96               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB96               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:26:20 | DataFile Name :   | 045CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.05    | -0.07   | 0.06    | 0.01       | 507.97  | ppb   |
| Zirconium | 90-1 | 0.04    | 0.05    | 0.03    | 0.04       | 21.00   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.00    | 0.02    | 0.02       | 71.15   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 10:52:37 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 25      | 17      | 17      | 19      | 24.73  | cps   |
| Antimony   | 121-1 | 75      | 42      | 42      | 53      | 36.46  | cps   |
| Arsenic    | 75-1  | -183    | -248    | -127    | -186    | -32.52 | cps   |
| Barium     | 135-1 | 25      | 33      | 25      | 28      | 17.31  | cps   |
| Barium     | 137-1 | 25      | 25      | 25      | 25      | 0.00   | cps   |
| Beryllium  | 9-1   | 60      | 63      | 43      | 56      | 19.29  | cps   |
| Bismuth    | 209-1 | 6213548 | 6305940 | 6328104 | 6282531 | 0.97   | cps   |
| Bismuth    | 209-2 | 4396722 | 4375845 | 4333973 | 4368847 | 0.73   | cps   |
| Boron      | 10-1  | 383     | 258     | 450     | 364     | 26.74  | cps   |
| Boron      | 11-1  | 1242    | 1592    | 1450    | 1428    | 12.33  | cps   |
| Cadmium    | 111-1 | 2432    | 2469    | 2541    | 2481    | 2.22   | cps   |
| Cadmium    | 106-1 | 3467    | 3526    | 3651    | 3548    | 2.64   | cps   |
| Cadmium    | 108-1 | 4       | 4       | 21      | 10      | 98.92  | cps   |
| Calcium    | 43-1  | 58      | 42      | 108     | 69      | 49.96  | cps   |
| Calcium    | 44-1  | 4318    | 4634    | 4167    | 4373    | 5.45   | cps   |
| Chromium   | 52-2  | 407     | 450     | 473     | 443     | 7.63   | cps   |
| Cobalt     | 59-2  | 27      | 40      | 20      | 29      | 35.25  | cps   |
| Copper     | 63-2  | 437     | 393     | 380     | 403     | 7.35   | cps   |
| Dysprosium | 156-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 8       | 33      | 58      | 33      | 75.02  | cps   |
| Erbium     | 164-2 | 30      | 20      | 33      | 28      | 24.98  | cps   |
| Gadolinium | 160-1 | 33      | 75      | 42      | 50      | 44.10  | cps   |
| Gadolinium | 160-2 | 177     | 193     | 163     | 178     | 8.45   | cps   |
| Holmium    | 165-1 | 8824359 | 8864678 | 8913448 | 8867495 | 0.50   | cps   |
| Holmium    | 165-2 | 5494618 | 5470485 | 5374878 | 5446660 | 1.16   | cps   |
| Indium     | 115-1 | 6477100 | 6506671 | 6546654 | 6510142 | 0.54   | cps   |
| Indium     | 115-2 | 1575982 | 1580669 | 1539096 | 1565249 | 1.45   | cps   |
| Iron       | 56-2  | 2617    | 2645    | 2467    | 2576    | 3.71   | cps   |
| Iron       | 57-2  | 83      | 122     | 150     | 119     | 28.25  | cps   |
| Krypton    | 83-1  | 210     | 307     | 260     | 259     | 18.67  | cps   |
| Lead       | 206-1 | 228     | 183     | 194     | 202     | 11.46  | cps   |
| Lead       | 207-1 | 200     | 128     | 206     | 178     | 24.41  | cps   |
| Lead       | 208-1 | 844     | 761     | 828     | 811     | 5.44   | cps   |
| Lithium    | 6-1   | 2484607 | 2493359 | 2509061 | 2495676 | 0.50   | cps   |
| Magnesium  | 24-2  | 133     | 158     | 108     | 133     | 18.75  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 10:52:37 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 37      | 23      | 47      | 36      | 32.93  | cps   |
| Molybdenum | 94-1  | 150     | 217     | 200     | 189     | 18.37  | cps   |
| Molybdenum | 95-1  | 33      | 8       | 58      | 33      | 75.02  | cps   |
| Molybdenum | 96-1  | 100     | 158     | 117     | 125     | 24.03  | cps   |
| Molybdenum | 97-1  | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Molybdenum | 98-1  | 83      | 67      | 33      | 61      | 41.67  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 43      | 37      | 47      | 42      | 12.06  | cps   |
| Phosphorus | 31-2  | 183     | 300     | 92      | 192     | 54.48  | cps   |
| Potassium  | 39-2  | 13865   | 12973   | 13991   | 13610   | 4.08   | cps   |
| Rhodium    | 103-1 | 5870320 | 6001402 | 6001399 | 5957707 | 1.27   | cps   |
| Rhodium    | 103-2 | 3083971 | 3072077 | 3018420 | 3058156 | 1.14   | cps   |
| Scandium   | 45-1  | 4226030 | 4246581 | 4285040 | 4252551 | 0.70   | cps   |
| Scandium   | 45-2  | 204076  | 202814  | 198757  | 201883  | 1.38   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 56      | 56      | 39      | 50      | 19.25  | cps   |
| Selenium   | 82-1  | 68      | 17      | 4       | 30      | 113.82 | cps   |
| Silicon    | 28-1  | 123581  | 123322  | 124884  | 123929  | 0.68   | cps   |
| Silver     | 109-1 | 67      | 75      | 83      | 75      | 11.11  | cps   |
| Silver     | 107-1 | 133     | 125     | 125     | 128     | 3.76   | cps   |
| Sodium     | 23-2  | 4042    | 4292    | 4276    | 4204    | 3.33   | cps   |
| Strontium  | 86-1  | 458     | 367     | 350     | 392     | 14.89  | cps   |
| Strontium  | 88-1  | 42      | 50      | 83      | 58      | 37.80  | cps   |
| Sulfur     | 34-1  | 254972  | 253709  | 258921  | 255867  | 1.06   | cps   |
| Terbium    | 159-1 | 9004088 | 9115049 | 9158162 | 9092433 | 0.87   | cps   |
| Terbium    | 159-2 | 5471169 | 5389495 | 5322993 | 5394553 | 1.38   | cps   |
| Thallium   | 203-1 | 50      | 50      | 100     | 67      | 43.31  | cps   |
| Thallium   | 205-1 | 133     | 108     | 158     | 133     | 18.75  | cps   |
| Thorium    | 232-1 | 122     | 83      | 106     | 104     | 18.81  | cps   |
| Tin        | 118-1 | 300     | 333     | 383     | 339     | 12.38  | cps   |
| Titanium   | 47-1  | 58      | 83      | 67      | 69      | 18.33  | cps   |
| Uranium    | 238-1 | 75      | 50      | 42      | 56      | 31.22  | cps   |
| Vanadium   | 51-2  | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Yttrium    | 89-1  | 6683934 | 6714999 | 6806320 | 6735084 | 0.94   | cps   |
| Yttrium    | 89-2  | 1148108 | 1141784 | 1121840 | 1137244 | 1.21   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 10:52:37 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 157  | 140  | 147  | 148     | 5.68   | cps   |
| Zirconium | 90-1 | 625  | 467  | 508  | 533     | 15.39  | cps   |
| Zirconium | 91-1 | 167  | 83   | 133  | 128     | 32.82  | cps   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:00:34 | DataFile Name :   | 005CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 1617    | 1734    | 1417    | 1589    | 10.08  | cps   |
| Antimony   | 121-1 | 11881   | 12531   | 12556   | 12323   | 3.11   | cps   |
| Arsenic    | 75-1  | 1121    | 1038    | 857     | 1006    | 13.43  | cps   |
| Barium     | 135-1 | 17737   | 16127   | 17779   | 17214   | 5.47   | cps   |
| Barium     | 137-1 | 30192   | 29407   | 29691   | 29763   | 1.34   | cps   |
| Beryllium  | 9-1   | 1797    | 1753    | 1797    | 1782    | 1.40   | cps   |
| Bismuth    | 209-1 | 6257967 | 6282559 | 6270179 | 6270235 | 0.20   | cps   |
| Bismuth    | 209-2 | 4395316 | 4390230 | 4412143 | 4399230 | 0.26   | cps   |
| Boron      | 10-1  | 6793    | 6702    | 6952    | 6816    | 1.86   | cps   |
| Boron      | 11-1  | 29037   | 29054   | 31075   | 29722   | 3.94   | cps   |
| Cadmium    | 111-1 | 4134    | 4055    | 4141    | 4110    | 1.16   | cps   |
| Cadmium    | 106-1 | 3484    | 3442    | 3376    | 3434    | 1.59   | cps   |
| Cadmium    | 108-1 | 192     | 179     | 133     | 168     | 18.27  | cps   |
| Calcium    | 43-1  | 10688   | 10829   | 10904   | 10807   | 1.02   | cps   |
| Calcium    | 44-1  | 179292  | 178565  | 179399  | 179086  | 0.25   | cps   |
| Chromium   | 52-2  | 4554    | 4544    | 4661    | 4586    | 1.41   | cps   |
| Cobalt     | 59-2  | 3367    | 3270    | 3340    | 3326    | 1.50   | cps   |
| Copper     | 63-2  | 4934    | 4884    | 5054    | 4958    | 1.76   | cps   |
| Dysprosium | 156-1 | 0       | 25      | 8       | 11      | 114.58 | cps   |
| Dysprosium | 156-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 17      | 33      | 25      | 25      | 33.32  | cps   |
| Erbium     | 164-2 | 13      | 23      | 43      | 27      | 57.29  | cps   |
| Gadolinium | 160-1 | 58      | 67      | 25      | 50      | 44.10  | cps   |
| Gadolinium | 160-2 | 160     | 133     | 167     | 153     | 11.50  | cps   |
| Holmium    | 165-1 | 8929772 | 8831368 | 8833727 | 8864956 | 0.63   | cps   |
| Holmium    | 165-2 | 5464974 | 5469103 | 5497433 | 5477170 | 0.32   | cps   |
| Indium     | 115-1 | 6452076 | 6464169 | 6486695 | 6467647 | 0.27   | cps   |
| Indium     | 115-2 | 1565798 | 1566144 | 1578883 | 1570275 | 0.47   | cps   |
| Iron       | 56-2  | 97584   | 98635   | 99115   | 98445   | 0.80   | cps   |
| Iron       | 57-2  | 2456    | 2573    | 2645    | 2558    | 3.73   | cps   |
| Krypton    | 83-1  | 280     | 270     | 253     | 268     | 5.03   | cps   |
| Lead       | 206-1 | 6335    | 6502    | 6296    | 6378    | 1.71   | cps   |
| Lead       | 207-1 | 5790    | 5740    | 5740    | 5757    | 0.50   | cps   |
| Lead       | 208-1 | 25594   | 25894   | 25955   | 25814   | 0.75   | cps   |
| Lithium    | 6-1   | 2506358 | 2493522 | 2485787 | 2495222 | 0.42   | cps   |
| Magnesium  | 24-2  | 88201   | 87547   | 89290   | 88346   | 1.00   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:00:34 | DataFile Name :   | 005CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 1453    | 1360    | 1433    | 1416    | 3.47   | cps   |
| Molybdenum | 94-1  | 14174   | 13465   | 13740   | 13793   | 2.59   | cps   |
| Molybdenum | 95-1  | 17403   | 17778   | 17052   | 17411   | 2.09   | cps   |
| Molybdenum | 96-1  | 18972   | 19222   | 18905   | 19033   | 0.88   | cps   |
| Molybdenum | 97-1  | 11230   | 11247   | 10521   | 10999   | 3.77   | cps   |
| Molybdenum | 98-1  | 26659   | 27503   | 26509   | 26890   | 1.99   | cps   |
| Neodymium  | 150-1 | 0       | 7       | 20      | 9       | 114.55 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 903     | 873     | 860     | 879     | 2.53   | cps   |
| Phosphorus | 31-2  | 342     | 542     | 325     | 403     | 29.93  | cps   |
| Potassium  | 39-2  | 97158   | 97721   | 96354   | 97078   | 0.71   | cps   |
| Rhodium    | 103-1 | 5889001 | 5879703 | 5889860 | 5886188 | 0.10   | cps   |
| Rhodium    | 103-2 | 3056097 | 3053557 | 3089493 | 3066382 | 0.65   | cps   |
| Scandium   | 45-1  | 4237179 | 4228669 | 4238240 | 4234696 | 0.12   | cps   |
| Scandium   | 45-2  | 203240  | 201525  | 207295  | 204020  | 1.45   | cps   |
| Selenium   | 77-2  | 37      | 27      | 63      | 42      | 44.88  | cps   |
| Selenium   | 78-2  | 163     | 222     | 174     | 186     | 16.90  | cps   |
| Selenium   | 82-1  | 773     | 809     | 794     | 792     | 2.28   | cps   |
| Silicon    | 28-1  | 167260  | 166240  | 166990  | 166830  | 0.32   | cps   |
| Silver     | 109-1 | 1200    | 1250    | 1367    | 1272    | 6.72   | cps   |
| Silver     | 107-1 | 1475    | 1458    | 1442    | 1458    | 1.14   | cps   |
| Sodium     | 23-2  | 163026  | 161357  | 163582  | 162655  | 0.71   | cps   |
| Strontium  | 86-1  | 2559    | 2950    | 2567    | 2692    | 8.31   | cps   |
| Strontium  | 88-1  | 18496   | 19439   | 18546   | 18827   | 2.82   | cps   |
| Sulfur     | 34-1  | 259784  | 257819  | 258792  | 258798  | 0.38   | cps   |
| Terbium    | 159-1 | 9129427 | 9085152 | 9076863 | 9097147 | 0.31   | cps   |
| Terbium    | 159-2 | 5425573 | 5406908 | 5449961 | 5427481 | 0.40   | cps   |
| Thallium   | 203-1 | 7477    | 7577    | 7419    | 7491    | 1.07   | cps   |
| Thallium   | 205-1 | 18330   | 18046   | 17696   | 18024   | 1.76   | cps   |
| Thorium    | 232-1 | 27546   | 27813   | 27641   | 27667   | 0.49   | cps   |
| Tin        | 118-1 | 29473   | 28922   | 29582   | 29326   | 1.21   | cps   |
| Titanium   | 47-1  | 4984    | 4993    | 4909    | 4962    | 0.92   | cps   |
| Uranium    | 238-1 | 28691   | 28190   | 27764   | 28215   | 1.65   | cps   |
| Vanadium   | 51-2  | 8673    | 8829    | 8853    | 8785    | 1.11   | cps   |
| Yttrium    | 89-1  | 6689184 | 6655594 | 6694386 | 6679721 | 0.32   | cps   |
| Yttrium    | 89-2  | 1138609 | 1143238 | 1146555 | 1142801 | 0.35   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:00:34 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 943   | 840   | 950   | 911     | 6.77   | cps   |
| Zirconium | 90-1 | 11488 | 10696 | 11105 | 11096   | 3.57   | cps   |
| Zirconium | 91-1 | 2409  | 2717  | 2450  | 2525    | 6.63   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:04:31 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 77761   | 77837   | 76864   | 77487   | 0.70   | cps   |
| Antimony   | 121-1 | 336182  | 337299  | 338321  | 337267  | 0.32   | cps   |
| Arsenic    | 75-1  | 71950   | 72300   | 72492   | 72247   | 0.38   | cps   |
| Barium     | 135-1 | 444487  | 447653  | 448884  | 447008  | 0.51   | cps   |
| Barium     | 137-1 | 771845  | 773888  | 779461  | 775065  | 0.51   | cps   |
| Beryllium  | 9-1   | 92479   | 92003   | 90997   | 91826   | 0.82   | cps   |
| Bismuth    | 209-1 | 6269042 | 6252302 | 6302609 | 6274651 | 0.41   | cps   |
| Bismuth    | 209-2 | 4318797 | 4354832 | 4341829 | 4338486 | 0.42   | cps   |
| Boron      | 10-1  | 14141   | 13940   | 14349   | 14143   | 1.45   | cps   |
| Boron      | 11-1  | 59501   | 60321   | 60949   | 60257   | 1.21   | cps   |
| Cadmium    | 111-1 | 102318  | 102500  | 101313  | 102044  | 0.63   | cps   |
| Cadmium    | 106-1 | 14591   | 14883   | 14483   | 14653   | 1.41   | cps   |
| Cadmium    | 108-1 | 7677    | 7531    | 7765    | 7658    | 1.54   | cps   |
| Calcium    | 43-1  | 111300  | 110720  | 108556  | 110192  | 1.31   | cps   |
| Calcium    | 44-1  | 1830348 | 1840863 | 1818548 | 1829920 | 0.61   | cps   |
| Chromium   | 52-2  | 103282  | 105622  | 105940  | 104948  | 1.38   | cps   |
| Cobalt     | 59-2  | 165245  | 167039  | 166991  | 166425  | 0.61   | cps   |
| Copper     | 63-2  | 230371  | 230718  | 232789  | 231292  | 0.57   | cps   |
| Dysprosium | 156-1 | 17      | 42      | 8       | 22      | 78.07  | cps   |
| Dysprosium | 156-2 | 23      | 7       | 13      | 14      | 58.06  | cps   |
| Erbium     | 164-1 | 8       | 17      | 33      | 19      | 65.47  | cps   |
| Erbium     | 164-2 | 23      | 17      | 7       | 16      | 53.90  | cps   |
| Gadolinium | 160-1 | 33      | 75      | 67      | 58      | 37.80  | cps   |
| Gadolinium | 160-2 | 137     | 173     | 133     | 148     | 15.02  | cps   |
| Holmium    | 165-1 | 8810602 | 8863004 | 8938578 | 8870728 | 0.73   | cps   |
| Holmium    | 165-2 | 5352660 | 5470187 | 5451471 | 5424773 | 1.16   | cps   |
| Indium     | 115-1 | 6424618 | 6381648 | 6432572 | 6412946 | 0.43   | cps   |
| Indium     | 115-2 | 1502404 | 1526872 | 1533808 | 1521028 | 1.08   | cps   |
| Iron       | 56-2  | 4553604 | 4626824 | 4647498 | 4609309 | 1.07   | cps   |
| Iron       | 57-2  | 114146  | 117315  | 116760  | 116074  | 1.46   | cps   |
| Krypton    | 83-1  | 263     | 267     | 243     | 258     | 4.90   | cps   |
| Lead       | 206-1 | 326411  | 331993  | 328223  | 328876  | 0.87   | cps   |
| Lead       | 207-1 | 295696  | 295757  | 299467  | 296973  | 0.73   | cps   |
| Lead       | 208-1 | 1336460 | 1340671 | 1342698 | 1339943 | 0.24   | cps   |
| Lithium    | 6-1   | 2451417 | 2436532 | 2421543 | 2436498 | 0.61   | cps   |
| Magnesium  | 24-2  | 857798  | 859389  | 875374  | 864187  | 1.12   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:04:31 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 135998  | 140093  | 139019  | 138370  | 1.53   | cps   |
| Molybdenum | 94-1  | 690940  | 684512  | 687177  | 687543  | 0.47   | cps   |
| Molybdenum | 95-1  | 838070  | 833674  | 833992  | 835245  | 0.29   | cps   |
| Molybdenum | 96-1  | 928479  | 923742  | 921606  | 924609  | 0.38   | cps   |
| Molybdenum | 97-1  | 524671  | 519345  | 520668  | 521561  | 0.53   | cps   |
| Molybdenum | 98-1  | 1345738 | 1350996 | 1342439 | 1346391 | 0.32   | cps   |
| Neodymium  | 150-1 | 40      | 60      | 67      | 56      | 24.98  | cps   |
| Neodymium  | 150-2 | 7       | 7       | 3       | 6       | 34.70  | cps   |
| Nickel     | 60-2  | 42354   | 42468   | 43043   | 42622   | 0.87   | cps   |
| Phosphorus | 31-2  | 4709    | 4334    | 4434    | 4493    | 4.32   | cps   |
| Potassium  | 39-2  | 434255  | 433726  | 435827  | 434603  | 0.25   | cps   |
| Rhodium    | 103-1 | 5800998 | 5777460 | 5774644 | 5784368 | 0.25   | cps   |
| Rhodium    | 103-2 | 2922260 | 2976381 | 2987149 | 2961930 | 1.17   | cps   |
| Scandium   | 45-1  | 4146896 | 4174499 | 4107137 | 4142844 | 0.82   | cps   |
| Scandium   | 45-2  | 193255  | 195289  | 198795  | 195780  | 1.43   | cps   |
| Selenium   | 77-2  | 400     | 443     | 397     | 413     | 6.30   | cps   |
| Selenium   | 78-2  | 1335    | 1385    | 1354    | 1358    | 1.86   | cps   |
| Selenium   | 82-1  | 7314    | 7321    | 7370    | 7335    | 0.42   | cps   |
| Silicon    | 28-1  | 354226  | 357389  | 357029  | 356215  | 0.49   | cps   |
| Silver     | 109-1 | 430806  | 431042  | 428760  | 430202  | 0.29   | cps   |
| Silver     | 107-1 | 447188  | 444482  | 444652  | 445440  | 0.34   | cps   |
| Sodium     | 23-2  | 1605451 | 1609440 | 1614935 | 1609942 | 0.30   | cps   |
| Strontium  | 86-1  | 113296  | 113361  | 113420  | 113359  | 0.05   | cps   |
| Strontium  | 88-1  | 997401  | 987433  | 988382  | 991072  | 0.56   | cps   |
| Sulfur     | 34-1  | 297158  | 294127  | 289889  | 293725  | 1.24   | cps   |
| Terbium    | 159-1 | 9117629 | 9116282 | 9227219 | 9153710 | 0.70   | cps   |
| Terbium    | 159-2 | 5294941 | 5360401 | 5372760 | 5342701 | 0.78   | cps   |
| Thallium   | 203-1 | 399239  | 398353  | 401123  | 399572  | 0.35   | cps   |
| Thallium   | 205-1 | 952482  | 966412  | 970818  | 963237  | 0.99   | cps   |
| Thorium    | 232-1 | 1544468 | 1533373 | 1535778 | 1537873 | 0.38   | cps   |
| Tin        | 118-1 | 292602  | 291062  | 291668  | 291777  | 0.27   | cps   |
| Titanium   | 47-1  | 240665  | 239589  | 239312  | 239855  | 0.30   | cps   |
| Uranium    | 238-1 | 1551101 | 1538905 | 1547229 | 1545745 | 0.40   | cps   |
| Vanadium   | 51-2  | 85120   | 85513   | 86841   | 85825   | 1.05   | cps   |
| Yttrium    | 89-1  | 6646187 | 6619579 | 6647239 | 6637669 | 0.24   | cps   |
| Yttrium    | 89-2  | 1100766 | 1108340 | 1119428 | 1109511 | 0.85   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:04:31 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zinc      | 66-2 | 40302  | 40142  | 40256  | 40233   | 0.21   | cps   |
| Zirconium | 90-1 | 577899 | 575396 | 578982 | 577426  | 0.32   | cps   |
| Zirconium | 91-1 | 128849 | 128984 | 129120 | 128984  | 0.11   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:08:27 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 186811   | 184660   | 184566   | 185346   | 0.69   | cps   |
| Antimony   | 121-1 | 868221   | 870048   | 861072   | 866447   | 0.55   | cps   |
| Arsenic    | 75-1  | 180240   | 178968   | 182077   | 180428   | 0.87   | cps   |
| Barium     | 135-1 | 1135972  | 1137342  | 1124691  | 1132668  | 0.61   | cps   |
| Barium     | 137-1 | 1987843  | 1990659  | 1966504  | 1981669  | 0.67   | cps   |
| Beryllium  | 9-1   | 226491   | 225592   | 222303   | 224795   | 0.98   | cps   |
| Bismuth    | 209-1 | 6190329  | 6246165  | 6252523  | 6229672  | 0.55   | cps   |
| Bismuth    | 209-2 | 4223649  | 4245107  | 4072582  | 4180446  | 2.25   | cps   |
| Boron      | 10-1  | 32803    | 33488    | 34248    | 33513    | 2.16   | cps   |
| Boron      | 11-1  | 146403   | 147849   | 145688   | 146646   | 0.75   | cps   |
| Cadmium    | 111-1 | 256145   | 255647   | 256204   | 255999   | 0.12   | cps   |
| Cadmium    | 106-1 | 31227    | 31636    | 32104    | 31656    | 1.39   | cps   |
| Cadmium    | 108-1 | 19484    | 19000    | 18992    | 19159    | 1.47   | cps   |
| Calcium    | 43-1  | 280865   | 278442   | 275030   | 278112   | 1.05   | cps   |
| Calcium    | 44-1  | 4572057  | 4550622  | 4575930  | 4566203  | 0.30   | cps   |
| Chromium   | 52-2  | 255016   | 256449   | 255123   | 255529   | 0.31   | cps   |
| Cobalt     | 59-2  | 403034   | 403390   | 399612   | 402012   | 0.52   | cps   |
| Copper     | 63-2  | 569683   | 570229   | 565127   | 568346   | 0.49   | cps   |
| Dysprosium | 156-1 | 25       | 33       | 17       | 25       | 33.32  | cps   |
| Dysprosium | 156-2 | 23       | 37       | 40       | 33       | 26.47  | cps   |
| Erbium     | 164-1 | 25       | 42       | 58       | 42       | 40.00  | cps   |
| Erbium     | 164-2 | 17       | 17       | 23       | 19       | 20.36  | cps   |
| Gadolinium | 160-1 | 50       | 58       | 25       | 44       | 39.04  | cps   |
| Gadolinium | 160-2 | 163      | 137      | 177      | 159      | 12.82  | cps   |
| Holmium    | 165-1 | 8875543  | 8868114  | 8786513  | 8843390  | 0.56   | cps   |
| Holmium    | 165-2 | 5291534  | 5367397  | 5152408  | 5270446  | 2.07   | cps   |
| Indium     | 115-1 | 6274965  | 6252600  | 6219792  | 6249119  | 0.44   | cps   |
| Indium     | 115-2 | 1444644  | 1460132  | 1406664  | 1437147  | 1.91   | cps   |
| Iron       | 56-2  | 11092924 | 11146444 | 10998279 | 11079216 | 0.68   | cps   |
| Iron       | 57-2  | 279588   | 279515   | 276802   | 278635   | 0.57   | cps   |
| Krypton    | 83-1  | 250      | 247      | 253      | 250      | 1.33   | cps   |
| Lead       | 206-1 | 845388   | 841204   | 845421   | 844004   | 0.29   | cps   |
| Lead       | 207-1 | 764341   | 760559   | 763934   | 762945   | 0.27   | cps   |
| Lead       | 208-1 | 3442084  | 3432608  | 3457750  | 3444148  | 0.37   | cps   |
| Lithium    | 6-1   | 2363676  | 2347122  | 2322236  | 2344345  | 0.89   | cps   |
| Magnesium  | 24-2  | 2119328  | 2114756  | 2102617  | 2112234  | 0.41   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:08:27 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 338284  | 338333  | 334507  | 337041  | 0.65   | cps   |
| Molybdenum | 94-1  | 1732345 | 1733130 | 1721017 | 1728831 | 0.39   | cps   |
| Molybdenum | 95-1  | 2108683 | 2090181 | 2115609 | 2104824 | 0.62   | cps   |
| Molybdenum | 96-1  | 2356584 | 2340082 | 2354780 | 2350482 | 0.39   | cps   |
| Molybdenum | 97-1  | 1317544 | 1309178 | 1315558 | 1314093 | 0.33   | cps   |
| Molybdenum | 98-1  | 3424935 | 3392449 | 3387792 | 3401725 | 0.59   | cps   |
| Neodymium  | 150-1 | 107     | 100     | 73      | 93      | 18.89  | cps   |
| Neodymium  | 150-2 | 17      | 30      | 17      | 21      | 36.45  | cps   |
| Nickel     | 60-2  | 103284  | 102800  | 102663  | 102916  | 0.32   | cps   |
| Phosphorus | 31-2  | 10813   | 9654    | 10346   | 10271   | 5.68   | cps   |
| Potassium  | 39-2  | 1043341 | 1040629 | 1028115 | 1037362 | 0.78   | cps   |
| Rhodium    | 103-1 | 5621764 | 5578254 | 5575749 | 5591922 | 0.46   | cps   |
| Rhodium    | 103-2 | 2793963 | 2827842 | 2717415 | 2779740 | 2.04   | cps   |
| Scandium   | 45-1  | 4009074 | 4010333 | 3954710 | 3991372 | 0.80   | cps   |
| Scandium   | 45-2  | 185559  | 187782  | 179004  | 184115  | 2.48   | cps   |
| Selenium   | 77-2  | 850     | 907     | 993     | 917     | 7.88   | cps   |
| Selenium   | 78-2  | 3197    | 3187    | 3154    | 3179    | 0.70   | cps   |
| Selenium   | 82-1  | 18249   | 18383   | 18224   | 18285   | 0.47   | cps   |
| Silicon    | 28-1  | 700332  | 701658  | 693295  | 698428  | 0.64   | cps   |
| Silver     | 109-1 | 1089829 | 1089235 | 1080321 | 1086462 | 0.49   | cps   |
| Silver     | 107-1 | 1117082 | 1124738 | 1137667 | 1126496 | 0.92   | cps   |
| Sodium     | 23-2  | 3945533 | 3959934 | 3930504 | 3945323 | 0.37   | cps   |
| Strontium  | 86-1  | 287195  | 286338  | 285464  | 286333  | 0.30   | cps   |
| Strontium  | 88-1  | 2488332 | 2474664 | 2499204 | 2487400 | 0.49   | cps   |
| Sulfur     | 34-1  | 332860  | 332108  | 329181  | 331383  | 0.59   | cps   |
| Terbium    | 159-1 | 9085094 | 9087373 | 9176360 | 9116276 | 0.57   | cps   |
| Terbium    | 159-2 | 5194779 | 5231843 | 5044878 | 5157167 | 1.92   | cps   |
| Thallium   | 203-1 | 1040373 | 1025556 | 1040078 | 1035336 | 0.82   | cps   |
| Thallium   | 205-1 | 2493785 | 2473493 | 2475607 | 2480962 | 0.45   | cps   |
| Thorium    | 232-1 | 4048703 | 4077408 | 4065833 | 4063981 | 0.36   | cps   |
| Tin        | 118-1 | 739073  | 741123  | 733312  | 737836  | 0.55   | cps   |
| Titanium   | 47-1  | 598492  | 597128  | 590738  | 595453  | 0.70   | cps   |
| Uranium    | 238-1 | 4049435 | 4046758 | 4073280 | 4056491 | 0.36   | cps   |
| Vanadium   | 51-2  | 209972  | 210331  | 207179  | 209161  | 0.82   | cps   |
| Yttrium    | 89-1  | 6484252 | 6419629 | 6436451 | 6446777 | 0.52   | cps   |
| Yttrium    | 89-2  | 1053701 | 1059449 | 1016767 | 1043306 | 2.22   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:08:27 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 100375  | 100107  | 99439   | 99973   | 0.48   | cps   |
| Zirconium | 90-1 | 1461778 | 1459911 | 1451971 | 1457887 | 0.36   | cps   |
| Zirconium | 91-1 | 327366  | 326339  | 325591  | 326432  | 0.27   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:12:20 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 330803   | 324519   | 327481   | 327601   | 0.96   | cps   |
| Antimony   | 121-1 | 1570086  | 1556371  | 1556388  | 1560948  | 0.51   | cps   |
| Arsenic    | 75-1  | 314818   | 313559   | 311844   | 313407   | 0.48   | cps   |
| Barium     | 135-1 | 2059024  | 2040503  | 2056894  | 2052140  | 0.49   | cps   |
| Barium     | 137-1 | 3587600  | 3559323  | 3573159  | 3573361  | 0.40   | cps   |
| Beryllium  | 9-1   | 393889   | 387497   | 385802   | 389063   | 1.10   | cps   |
| Bismuth    | 209-1 | 6151901  | 6148768  | 6139753  | 6146808  | 0.10   | cps   |
| Bismuth    | 209-2 | 4068629  | 4082415  | 4074633  | 4075226  | 0.17   | cps   |
| Boron      | 10-1  | 60296    | 58163    | 60053    | 59504    | 1.96   | cps   |
| Boron      | 11-1  | 256168   | 259659   | 255179   | 257002   | 0.92   | cps   |
| Cadmium    | 111-1 | 454156   | 449418   | 452999   | 452191   | 0.55   | cps   |
| Cadmium    | 106-1 | 52213    | 50666    | 52732    | 51871    | 2.07   | cps   |
| Cadmium    | 108-1 | 34572    | 34125    | 33916    | 34204    | 0.98   | cps   |
| Calcium    | 43-1  | 486255   | 476301   | 480762   | 481106   | 1.04   | cps   |
| Calcium    | 44-1  | 7873866  | 7817007  | 7826248  | 7839040  | 0.39   | cps   |
| Chromium   | 52-2  | 443908   | 444297   | 447088   | 445098   | 0.39   | cps   |
| Cobalt     | 59-2  | 694386   | 691870   | 696204   | 694153   | 0.31   | cps   |
| Copper     | 63-2  | 975560   | 978738   | 977848   | 977382   | 0.17   | cps   |
| Dysprosium | 156-1 | 50       | 100      | 100      | 83       | 34.64  | cps   |
| Dysprosium | 156-2 | 60       | 77       | 33       | 57       | 38.58  | cps   |
| Erbium     | 164-1 | 17       | 42       | 50       | 36       | 48.03  | cps   |
| Erbium     | 164-2 | 40       | 13       | 30       | 28       | 48.51  | cps   |
| Gadolinium | 160-1 | 25       | 108      | 67       | 67       | 62.50  | cps   |
| Gadolinium | 160-2 | 150      | 167      | 157      | 158      | 5.32   | cps   |
| Holmium    | 165-1 | 8601432  | 8493665  | 8626199  | 8573765  | 0.82   | cps   |
| Holmium    | 165-2 | 5136318  | 5129357  | 5159616  | 5141764  | 0.31   | cps   |
| Indium     | 115-1 | 5921514  | 5858994  | 5844107  | 5874871  | 0.70   | cps   |
| Indium     | 115-2 | 1359125  | 1348564  | 1360848  | 1356179  | 0.49   | cps   |
| Iron       | 56-2  | 19518709 | 19371341 | 19590907 | 19493653 | 0.57   | cps   |
| Iron       | 57-2  | 484935   | 482254   | 493682   | 486957   | 1.23   | cps   |
| Krypton    | 83-1  | 253      | 240      | 223      | 239      | 6.29   | cps   |
| Lead       | 206-1 | 1565482  | 1574908  | 1605599  | 1581996  | 1.33   | cps   |
| Lead       | 207-1 | 1430101  | 1429240  | 1445826  | 1435056  | 0.65   | cps   |
| Lead       | 208-1 | 6433201  | 6463502  | 6529166  | 6475290  | 0.76   | cps   |
| Lithium    | 6-1   | 2165101  | 2151291  | 2137965  | 2151452  | 0.63   | cps   |
| Magnesium  | 24-2  | 3698440  | 3697047  | 3699008  | 3698165  | 0.03   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:12:20 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 587412  | 588157  | 592362  | 589310  | 0.45   | cps   |
| Molybdenum | 94-1  | 3087037 | 3062721 | 3052687 | 3067482 | 0.58   | cps   |
| Molybdenum | 95-1  | 3779034 | 3734839 | 3698916 | 3737596 | 1.07   | cps   |
| Molybdenum | 96-1  | 4192637 | 4161594 | 4150324 | 4168185 | 0.53   | cps   |
| Molybdenum | 97-1  | 2333471 | 2333962 | 2325117 | 2330850 | 0.21   | cps   |
| Molybdenum | 98-1  | 6061327 | 6013891 | 6012265 | 6029161 | 0.46   | cps   |
| Neodymium  | 150-1 | 233     | 173     | 220     | 209     | 15.08  | cps   |
| Neodymium  | 150-2 | 53      | 20      | 23      | 32      | 56.98  | cps   |
| Nickel     | 60-2  | 177318  | 174939  | 177557  | 176605  | 0.82   | cps   |
| Phosphorus | 31-2  | 17569   | 17236   | 17503   | 17436   | 1.01   | cps   |
| Potassium  | 39-2  | 1801488 | 1787648 | 1796577 | 1795238 | 0.39   | cps   |
| Rhodium    | 103-1 | 5151894 | 5092237 | 5099814 | 5114648 | 0.63   | cps   |
| Rhodium    | 103-2 | 2606293 | 2594149 | 2622673 | 2607705 | 0.55   | cps   |
| Scandium   | 45-1  | 3636194 | 3601665 | 3579594 | 3605818 | 0.79   | cps   |
| Scandium   | 45-2  | 169901  | 168010  | 171327  | 169746  | 0.98   | cps   |
| Selenium   | 77-2  | 1747    | 1587    | 1550    | 1628    | 6.42   | cps   |
| Selenium   | 78-2  | 5423    | 5660    | 5507    | 5530    | 2.18   | cps   |
| Selenium   | 82-1  | 31757   | 31570   | 31555   | 31627   | 0.36   | cps   |
| Silicon    | 28-1  | 1122362 | 1123683 | 1124191 | 1123412 | 0.08   | cps   |
| Silver     | 109-1 | 1932190 | 1923134 | 1920854 | 1925393 | 0.31   | cps   |
| Silver     | 107-1 | 2001706 | 1996609 | 1980458 | 1992924 | 0.56   | cps   |
| Sodium     | 23-2  | 6931831 | 6854097 | 6863472 | 6883133 | 0.62   | cps   |
| Strontium  | 86-1  | 508107  | 504510  | 498815  | 503811  | 0.93   | cps   |
| Strontium  | 88-1  | 4474449 | 4432855 | 4428843 | 4445382 | 0.57   | cps   |
| Sulfur     | 34-1  | 371898  | 370783  | 369406  | 370696  | 0.34   | cps   |
| Terbium    | 159-1 | 8836411 | 8823482 | 8865938 | 8841944 | 0.25   | cps   |
| Terbium    | 159-2 | 5002413 | 5059932 | 5051144 | 5037830 | 0.62   | cps   |
| Thallium   | 203-1 | 1924410 | 1923226 | 1932995 | 1926877 | 0.28   | cps   |
| Thallium   | 205-1 | 4623990 | 4660138 | 4707405 | 4663844 | 0.90   | cps   |
| Thorium    | 232-1 | 7658300 | 7650855 | 7690655 | 7666603 | 0.28   | cps   |
| Tin        | 118-1 | 1338727 | 1335065 | 1335793 | 1336528 | 0.15   | cps   |
| Titanium   | 47-1  | 1028451 | 1026242 | 1020296 | 1024996 | 0.41   | cps   |
| Uranium    | 238-1 | 7689817 | 7617916 | 7704700 | 7670811 | 0.61   | cps   |
| Vanadium   | 51-2  | 361549  | 362566  | 363540  | 362552  | 0.27   | cps   |
| Yttrium    | 89-1  | 6074854 | 6017907 | 5994316 | 6029025 | 0.69   | cps   |
| Yttrium    | 89-2  | 984099  | 985383  | 984359  | 984614  | 0.07   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:12:20 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 173804  | 174009  | 174235  | 174016  | 0.12   | cps   |
| Zirconium | 90-1 | 2602017 | 2582911 | 2572934 | 2585954 | 0.57   | cps   |
| Zirconium | 91-1 | 588615  | 574800  | 579462  | 580959  | 1.21   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:16:10 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 631777   | 628704   | 621403   | 627295   | 0.85   | cps   |
| Antimony   | 121-1 | 2995412  | 2978766  | 2988778  | 2987652  | 0.28   | cps   |
| Arsenic    | 75-1  | 589246   | 588090   | 582809   | 586715   | 0.58   | cps   |
| Barium     | 135-1 | 3942648  | 3912189  | 3927118  | 3927318  | 0.39   | cps   |
| Barium     | 137-1 | 6936895  | 6916172  | 6898676  | 6917248  | 0.28   | cps   |
| Beryllium  | 9-1   | 723006   | 715437   | 711211   | 716552   | 0.83   | cps   |
| Bismuth    | 209-1 | 6020226  | 5992457  | 5948078  | 5986920  | 0.61   | cps   |
| Bismuth    | 209-2 | 3934160  | 3935374  | 3927610  | 3932381  | 0.11   | cps   |
| Boron      | 10-1  | 109905   | 110661   | 112524   | 111030   | 1.21   | cps   |
| Boron      | 11-1  | 472108   | 475690   | 482213   | 476670   | 1.07   | cps   |
| Cadmium    | 111-1 | 848918   | 843522   | 841404   | 844614   | 0.46   | cps   |
| Cadmium    | 106-1 | 98238    | 96645    | 94615    | 96499    | 1.88   | cps   |
| Cadmium    | 108-1 | 64609    | 64718    | 64810    | 64712    | 0.16   | cps   |
| Calcium    | 43-1  | 911726   | 903984   | 895280   | 903663   | 0.91   | cps   |
| Calcium    | 44-1  | 14740495 | 14666539 | 14513910 | 14640315 | 0.79   | cps   |
| Chromium   | 52-2  | 846865   | 850311   | 847336   | 848171   | 0.22   | cps   |
| Cobalt     | 59-2  | 1316449  | 1321469  | 1319085  | 1319001  | 0.19   | cps   |
| Copper     | 63-2  | 1836838  | 1834525  | 1836264  | 1835876  | 0.07   | cps   |
| Dysprosium | 156-1 | 133      | 117      | 58       | 103      | 38.31  | cps   |
| Dysprosium | 156-2 | 123      | 110      | 90       | 108      | 15.57  | cps   |
| Erbium     | 164-1 | 42       | 25       | 42       | 36       | 26.65  | cps   |
| Erbium     | 164-2 | 27       | 30       | 20       | 26       | 19.92  | cps   |
| Gadolinium | 160-1 | 133      | 50       | 67       | 83       | 52.92  | cps   |
| Gadolinium | 160-2 | 127      | 163      | 160      | 150      | 13.52  | cps   |
| Holmium    | 165-1 | 8538611  | 8543760  | 8517405  | 8533258  | 0.16   | cps   |
| Holmium    | 165-2 | 5088399  | 4977614  | 5034695  | 5033569  | 1.10   | cps   |
| Indium     | 115-1 | 5671272  | 5652285  | 5606238  | 5643265  | 0.59   | cps   |
| Indium     | 115-2 | 1306643  | 1292304  | 1295487  | 1298145  | 0.58   | cps   |
| Iron       | 56-2  | 37285324 | 37079051 | 37135718 | 37166698 | 0.29   | cps   |
| Iron       | 57-2  | 937955   | 938177   | 941104   | 939079   | 0.19   | cps   |
| Krypton    | 83-1  | 213      | 197      | 253      | 221      | 13.17  | cps   |
| Lead       | 206-1 | 3051031  | 3062456  | 3066662  | 3060050  | 0.26   | cps   |
| Lead       | 207-1 | 2778731  | 2778983  | 2765451  | 2774388  | 0.28   | cps   |
| Lead       | 208-1 | 12520872 | 12542420 | 12491395 | 12518229 | 0.20   | cps   |
| Lithium    | 6-1   | 2044700  | 2030190  | 2016444  | 2030445  | 0.70   | cps   |
| Magnesium  | 24-2  | 7118397  | 7078600  | 7062172  | 7086390  | 0.41   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:16:10 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1124588  | 1123768  | 1128830  | 1125729  | 0.24   | cps   |
| Molybdenum | 94-1  | 5847959  | 5759561  | 5803718  | 5803746  | 0.76   | cps   |
| Molybdenum | 95-1  | 7089381  | 7081639  | 7043909  | 7071643  | 0.34   | cps   |
| Molybdenum | 96-1  | 7876548  | 7878878  | 7844701  | 7866709  | 0.24   | cps   |
| Molybdenum | 97-1  | 4404225  | 4381456  | 4348948  | 4378210  | 0.63   | cps   |
| Molybdenum | 98-1  | 11449904 | 11369528 | 11348668 | 11389367 | 0.47   | cps   |
| Neodymium  | 150-1 | 380      | 407      | 513      | 433      | 16.28  | cps   |
| Neodymium  | 150-2 | 73       | 70       | 60       | 68       | 10.24  | cps   |
| Nickel     | 60-2  | 329375   | 331284   | 330475   | 330378   | 0.29   | cps   |
| Phosphorus | 31-2  | 32862    | 32979    | 33513    | 33118    | 1.05   | cps   |
| Potassium  | 39-2  | 3443007  | 3430774  | 3446728  | 3440170  | 0.24   | cps   |
| Rhodium    | 103-1 | 4868836  | 4834433  | 4837305  | 4846858  | 0.39   | cps   |
| Rhodium    | 103-2 | 2491138  | 2462272  | 2474882  | 2476097  | 0.58   | cps   |
| Scandium   | 45-1  | 3449594  | 3413866  | 3398109  | 3420523  | 0.77   | cps   |
| Scandium   | 45-2  | 166952   | 164373   | 163703   | 165009   | 1.04   | cps   |
| Selenium   | 77-2  | 3087     | 2860     | 3114     | 3020     | 4.61   | cps   |
| Selenium   | 78-2  | 10461    | 10335    | 10663    | 10487    | 1.58   | cps   |
| Selenium   | 82-1  | 59038    | 59186    | 59237    | 59154    | 0.17   | cps   |
| Silicon    | 28-1  | 2021861  | 2022571  | 2017404  | 2020612  | 0.14   | cps   |
| Silver     | 109-1 | 3591077  | 3564174  | 3538433  | 3564561  | 0.74   | cps   |
| Silver     | 107-1 | 3711859  | 3717763  | 3685412  | 3705011  | 0.47   | cps   |
| Sodium     | 23-2  | 13263917 | 13253876 | 13277876 | 13265223 | 0.09   | cps   |
| Strontium  | 86-1  | 956114   | 956615   | 955959   | 956229   | 0.04   | cps   |
| Strontium  | 88-1  | 8420818  | 8395922  | 8394487  | 8403742  | 0.18   | cps   |
| Sulfur     | 34-1  | 516690   | 514278   | 506862   | 512610   | 1.00   | cps   |
| Terbium    | 159-1 | 8695140  | 8671383  | 8638704  | 8668409  | 0.33   | cps   |
| Terbium    | 159-2 | 4968721  | 4870325  | 4901880  | 4913642  | 1.02   | cps   |
| Thallium   | 203-1 | 3750430  | 3738421  | 3760610  | 3749820  | 0.30   | cps   |
| Thallium   | 205-1 | 9064688  | 9008261  | 9017578  | 9030176  | 0.33   | cps   |
| Thorium    | 232-1 | 15197606 | 15133884 | 15146258 | 15159250 | 0.22   | cps   |
| Tin        | 118-1 | 2571384  | 2563434  | 2524516  | 2553112  | 0.98   | cps   |
| Titanium   | 47-1  | 1907563  | 1909903  | 1902658  | 1906708  | 0.19   | cps   |
| Uranium    | 238-1 | 15106969 | 15039427 | 15092488 | 15079628 | 0.24   | cps   |
| Vanadium   | 51-2  | 695109   | 696281   | 696426   | 695939   | 0.10   | cps   |
| Yttrium    | 89-1  | 5779074  | 5794002  | 5754036  | 5775704  | 0.35   | cps   |
| Yttrium    | 89-2  | 956768   | 946221   | 944198   | 949062   | 0.71   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:16:10 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 327348  | 326387  | 326412  | 326716  | 0.17   | cps   |
| Zirconium | 90-1 | 4958182 | 4880939 | 4871373 | 4903498 | 0.97   | cps   |
| Zirconium | 91-1 | 1099689 | 1089993 | 1093831 | 1094505 | 0.45   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:19:58 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1236812  | 1245393  | 1239243  | 1240483  | 0.36   | cps   |
| Antimony   | 121-1 | 6004917  | 5948635  | 6054120  | 6002558  | 0.88   | cps   |
| Arsenic    | 75-1  | 1141924  | 1134195  | 1165591  | 1147237  | 1.43   | cps   |
| Barium     | 135-1 | 7919477  | 7861129  | 8011997  | 7930868  | 0.96   | cps   |
| Barium     | 137-1 | 13940266 | 13852386 | 14052545 | 13948399 | 0.72   | cps   |
| Beryllium  | 9-1   | 1397785  | 1380869  | 1401530  | 1393395  | 0.79   | cps   |
| Bismuth    | 209-1 | 5949142  | 5924899  | 6106694  | 5993578  | 1.65   | cps   |
| Bismuth    | 209-2 | 3933231  | 3963387  | 3965019  | 3953879  | 0.45   | cps   |
| Boron      | 10-1  | 215726   | 213790   | 221110   | 216875   | 1.75   | cps   |
| Boron      | 11-1  | 923832   | 938436   | 962332   | 941533   | 2.06   | cps   |
| Cadmium    | 111-1 | 1660583  | 1647560  | 1679650  | 1662597  | 0.97   | cps   |
| Cadmium    | 106-1 | 187735   | 186798   | 187939   | 187491   | 0.32   | cps   |
| Cadmium    | 108-1 | 128350   | 126508   | 127248   | 127368   | 0.73   | cps   |
| Calcium    | 43-1  | 1774821  | 1762165  | 1797111  | 1778032  | 1.00   | cps   |
| Calcium    | 44-1  | 28947890 | 28852986 | 29382956 | 29061277 | 0.97   | cps   |
| Chromium   | 52-2  | 1677473  | 1697123  | 1681167  | 1685255  | 0.62   | cps   |
| Cobalt     | 59-2  | 2578226  | 2589995  | 2597744  | 2588655  | 0.38   | cps   |
| Copper     | 63-2  | 3646177  | 3680986  | 3685338  | 3670834  | 0.58   | cps   |
| Dysprosium | 156-1 | 150      | 133      | 133      | 139      | 6.93   | cps   |
| Dysprosium | 156-2 | 180      | 187      | 227      | 198      | 12.76  | cps   |
| Erbium     | 164-1 | 50       | 42       | 17       | 36       | 48.03  | cps   |
| Erbium     | 164-2 | 20       | 27       | 20       | 22       | 17.33  | cps   |
| Gadolinium | 160-1 | 125      | 75       | 50       | 83       | 45.83  | cps   |
| Gadolinium | 160-2 | 163      | 177      | 193      | 178      | 8.45   | cps   |
| Holmium    | 165-1 | 8629556  | 8620642  | 8759771  | 8669990  | 0.90   | cps   |
| Holmium    | 165-2 | 5168437  | 5181267  | 5175679  | 5175128  | 0.12   | cps   |
| Indium     | 115-1 | 5492457  | 5472578  | 5594295  | 5519777  | 1.18   | cps   |
| Indium     | 115-2 | 1282430  | 1287365  | 1285097  | 1284964  | 0.19   | cps   |
| Iron       | 56-2  | 73387613 | 73694393 | 73754771 | 73612259 | 0.27   | cps   |
| Iron       | 57-2  | 1837897  | 1846367  | 1853338  | 1845867  | 0.42   | cps   |
| Krypton    | 83-1  | 237      | 230      | 173      | 213      | 16.31  | cps   |
| Lead       | 206-1 | 6125969  | 6119583  | 6245300  | 6163617  | 1.15   | cps   |
| Lead       | 207-1 | 5579922  | 5578925  | 5655946  | 5604931  | 0.79   | cps   |
| Lead       | 208-1 | 25152118 | 25306096 | 25634239 | 25364151 | 0.97   | cps   |
| Lithium    | 6-1   | 1990622  | 1980377  | 2027336  | 1999445  | 1.23   | cps   |
| Magnesium  | 24-2  | 14020638 | 14238964 | 14065266 | 14108289 | 0.82   | cps   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:19:58 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 2216508  | 2235611  | 2235201  | 2229107  | 0.49   | cps   |
| Molybdenum | 94-1  | 11580507 | 11630701 | 11829174 | 11680127 | 1.13   | cps   |
| Molybdenum | 95-1  | 14023375 | 14091950 | 14315400 | 14143575 | 1.08   | cps   |
| Molybdenum | 96-1  | 15666380 | 15691693 | 15970995 | 15776356 | 1.07   | cps   |
| Molybdenum | 97-1  | 8780153  | 8813224  | 8929545  | 8840974  | 0.89   | cps   |
| Molybdenum | 98-1  | 22725687 | 22739434 | 23066762 | 22843961 | 0.85   | cps   |
| Neodymium  | 150-1 | 820      | 740      | 707      | 756      | 7.71   | cps   |
| Neodymium  | 150-2 | 73       | 77       | 100      | 83       | 17.44  | cps   |
| Nickel     | 60-2  | 644362   | 653317   | 648564   | 648748   | 0.69   | cps   |
| Phosphorus | 31-2  | 63494    | 64875    | 64967    | 64445    | 1.28   | cps   |
| Potassium  | 39-2  | 6747069  | 6836132  | 6815474  | 6799558  | 0.69   | cps   |
| Rhodium    | 103-1 | 4648592  | 4690254  | 4751965  | 4696937  | 1.11   | cps   |
| Rhodium    | 103-2 | 2448270  | 2457438  | 2473455  | 2459721  | 0.52   | cps   |
| Scandium   | 45-1  | 3349119  | 3327344  | 3414322  | 3363595  | 1.35   | cps   |
| Scandium   | 45-2  | 165422   | 166416   | 166524   | 166120   | 0.37   | cps   |
| Selenium   | 77-2  | 5885     | 6095     | 5948     | 5976     | 1.80   | cps   |
| Selenium   | 78-2  | 20146    | 20531    | 20377    | 20351    | 0.95   | cps   |
| Selenium   | 82-1  | 115237   | 115197   | 115898   | 115444   | 0.34   | cps   |
| Silicon    | 28-1  | 3730552  | 3722066  | 3816872  | 3756497  | 1.40   | cps   |
| Silver     | 109-1 | 7046296  | 7035720  | 7161778  | 7081265  | 0.99   | cps   |
| Silver     | 107-1 | 7338550  | 7312646  | 7397985  | 7349727  | 0.60   | cps   |
| Sodium     | 23-2  | 26435578 | 26760391 | 26576184 | 26590718 | 0.61   | cps   |
| Strontium  | 86-1  | 1887912  | 1898605  | 1921906  | 1902808  | 0.91   | cps   |
| Strontium  | 88-1  | 16744990 | 16722419 | 17005517 | 16824309 | 0.94   | cps   |
| Sulfur     | 34-1  | 838757   | 815609   | 827635   | 827334   | 1.40   | cps   |
| Terbium    | 159-1 | 8704233  | 8721292  | 8941095  | 8788873  | 1.50   | cps   |
| Terbium    | 159-2 | 5027529  | 5028696  | 5058622  | 5038282  | 0.35   | cps   |
| Thallium   | 203-1 | 7580116  | 7591800  | 7714036  | 7628650  | 0.97   | cps   |
| Thallium   | 205-1 | 18311535 | 18142177 | 18652953 | 18368888 | 1.42   | cps   |
| Thorium    | 232-1 | 31148767 | 30787874 | 31713293 | 31216645 | 1.49   | cps   |
| Tin        | 118-1 | 5084390  | 5070970  | 5087919  | 5081093  | 0.18   | cps   |
| Titanium   | 47-1  | 3799822  | 3772181  | 3848490  | 3806831  | 1.01   | cps   |
| Uranium    | 238-1 | 30736529 | 30749791 | 31401062 | 30962461 | 1.23   | cps   |
| Vanadium   | 51-2  | 1380394  | 1395206  | 1392446  | 1389348  | 0.57   | cps   |
| Yttrium    | 89-1  | 5691122  | 5717806  | 5829896  | 5746275  | 1.28   | cps   |
| Yttrium    | 89-2  | 951847   | 958933   | 958400   | 956393   | 0.41   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:19:58 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 628484  | 634946  | 637413  | 633614  | 0.73   | cps   |
| Zirconium | 90-1 | 9834432 | 9792335 | 9922640 | 9849802 | 0.68   | cps   |
| Zirconium | 91-1 | 2185922 | 2167234 | 2204506 | 2185887 | 0.85   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:23:44 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 7173708   | 7253882   | 7376169   | 7267920   | 1.40   | cps   |
| Antimony   | 121-1 | 8019      | 8761      | 8978      | 8586      | 5.86   | cps   |
| Arsenic    | 75-1  | 1537      | 1396      | 1588      | 1507      | 6.61   | cps   |
| Barium     | 135-1 | 1325      | 1133      | 967       | 1142      | 15.71  | cps   |
| Barium     | 137-1 | 2175      | 1934      | 1425      | 1845      | 20.76  | cps   |
| Beryllium  | 9-1   | 397       | 290       | 243       | 310       | 25.35  | cps   |
| Bismuth    | 209-1 | 5302900   | 5210801   | 5238870   | 5250857   | 0.90   | cps   |
| Bismuth    | 209-2 | 3437795   | 3482468   | 3482973   | 3467746   | 0.75   | cps   |
| Boron      | 10-1  | 10546     | 9428      | 8653      | 9542      | 9.97   | cps   |
| Boron      | 11-1  | 44049     | 40756     | 37898     | 40901     | 7.53   | cps   |
| Cadmium    | 111-1 | 2271      | 2154      | 2238      | 2221      | 2.72   | cps   |
| Cadmium    | 106-1 | 2909      | 2817      | 2875      | 2867      | 1.62   | cps   |
| Cadmium    | 108-1 | 46        | 50        | 42        | 46        | 9.09   | cps   |
| Calcium    | 43-1  | 9492050   | 9687913   | 9764909   | 9648291   | 1.46   | cps   |
| Calcium    | 44-1  | 155526141 | 157540129 | 159299554 | 157455274 | 1.20   | cps   |
| Chromium   | 52-2  | 4161      | 4147      | 3961      | 4090      | 2.73   | cps   |
| Cobalt     | 59-2  | 32666     | 32529     | 34143     | 33113     | 2.70   | cps   |
| Copper     | 63-2  | 2704      | 2770      | 2644      | 2706      | 2.34   | cps   |
| Dysprosium | 156-1 | 100       | 75        | 67        | 81        | 21.54  | cps   |
| Dysprosium | 156-2 | 43        | 60        | 23        | 42        | 43.49  | cps   |
| Erbium     | 164-1 | 33        | 33        | 67        | 44        | 43.31  | cps   |
| Erbium     | 164-2 | 17        | 27        | 17        | 20        | 28.86  | cps   |
| Gadolinium | 160-1 | 75        | 100       | 92        | 89        | 14.33  | cps   |
| Gadolinium | 160-2 | 207       | 163       | 177       | 182       | 12.18  | cps   |
| Holmium    | 165-1 | 8324403   | 8394055   | 8349319   | 8355926   | 0.42   | cps   |
| Holmium    | 165-2 | 4901883   | 4989668   | 5037996   | 4976516   | 1.39   | cps   |
| Indium     | 115-1 | 5339528   | 5364108   | 5388201   | 5363946   | 0.45   | cps   |
| Indium     | 115-2 | 1289672   | 1303998   | 1318641   | 1304103   | 1.11   | cps   |
| Iron       | 56-2  | 397200631 | 400782031 | 407253342 | 401745335 | 1.27   | cps   |
| Iron       | 57-2  | 9967543   | 10005020  | 10163159  | 10045240  | 1.03   | cps   |
| Krypton    | 83-1  | 253       | 193       | 290       | 246       | 19.87  | cps   |
| Lead       | 206-1 | 4729      | 4795      | 4701      | 4742      | 1.02   | cps   |
| Lead       | 207-1 | 3773      | 3589      | 3690      | 3684      | 2.49   | cps   |
| Lead       | 208-1 | 18845     | 18589     | 17766     | 18400     | 3.06   | cps   |
| Lithium    | 6-1   | 2071902   | 2104058   | 2115878   | 2097279   | 1.09   | cps   |
| Magnesium  | 24-2  | 74821937  | 75805323  | 76109270  | 75578843  | 0.89   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 11:23:44 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Manganese  | 55-2  | 5391      | 5368      | 5691      | 5483      | 3.29   | cps   |
| Molybdenum | 94-1  | 4376      | 4476      | 3792      | 4215      | 8.76   | cps   |
| Molybdenum | 95-1  | 6018      | 5935      | 5310      | 5754      | 6.73   | cps   |
| Molybdenum | 96-1  | 10054     | 9253      | 8653      | 9320      | 7.54   | cps   |
| Molybdenum | 97-1  | 3751      | 3009      | 3175      | 3312      | 11.75  | cps   |
| Molybdenum | 98-1  | 9170      | 8503      | 7611      | 8428      | 9.28   | cps   |
| Neodymium  | 150-1 | 160       | 107       | 93        | 120       | 29.40  | cps   |
| Neodymium  | 150-2 | 67        | 50        | 50        | 56        | 17.32  | cps   |
| Nickel     | 60-2  | 6822      | 6685      | 6918      | 6808      | 1.72   | cps   |
| Phosphorus | 31-2  | 325       | 275       | 275       | 292       | 9.90   | cps   |
| Potassium  | 39-2  | 38784357  | 38992454  | 39951074  | 39242628  | 1.59   | cps   |
| Rhodium    | 103-1 | 4431017   | 4450910   | 4527972   | 4469967   | 1.15   | cps   |
| Rhodium    | 103-2 | 2338203   | 2363963   | 2384059   | 2362075   | 0.97   | cps   |
| Scandium   | 45-1  | 3507879   | 3579621   | 3634253   | 3573918   | 1.77   | cps   |
| Scandium   | 45-2  | 180228    | 182631    | 183673    | 182177    | 0.97   | cps   |
| Selenium   | 77-2  | 3         | 0         | 3         | 2         | 86.60  | cps   |
| Selenium   | 78-2  | 43        | 39        | 22        | 35        | 31.39  | cps   |
| Selenium   | 82-1  | 66        | 146       | 46        | 86        | 61.54  | cps   |
| Silicon    | 28-1  | 191770    | 194272    | 190947    | 192330    | 0.90   | cps   |
| Silver     | 109-1 | 717       | 575       | 567       | 619       | 13.61  | cps   |
| Silver     | 107-1 | 858       | 708       | 608       | 725       | 17.36  | cps   |
| Sodium     | 23-2  | 147278612 | 148813582 | 150720233 | 148937476 | 1.16   | cps   |
| Strontium  | 86-1  | 9011      | 9245      | 8395      | 8884      | 4.95   | cps   |
| Strontium  | 88-1  | 70657     | 71529     | 70942     | 71043     | 0.63   | cps   |
| Sulfur     | 34-1  | 214979    | 224068    | 228628    | 222558    | 3.12   | cps   |
| Terbium    | 159-1 | 8530007   | 8525054   | 8566609   | 8540557   | 0.27   | cps   |
| Terbium    | 159-2 | 4839384   | 4879119   | 4924753   | 4881085   | 0.88   | cps   |
| Thallium   | 203-1 | 1909      | 1633      | 1458      | 1667      | 13.61  | cps   |
| Thallium   | 205-1 | 4343      | 3976      | 3359      | 3892      | 12.77  | cps   |
| Thorium    | 232-1 | 5090      | 3840      | 3289      | 4073      | 22.66  | cps   |
| Tin        | 118-1 | 1975      | 1825      | 1884      | 1895      | 3.99   | cps   |
| Titanium   | 47-1  | 1792      | 1800      | 1650      | 1747      | 4.82   | cps   |
| Uranium    | 238-1 | 2917      | 2300      | 1700      | 2306      | 26.39  | cps   |
| Vanadium   | 51-2  | 170       | 177       | 153       | 167       | 7.21   | cps   |
| Yttrium    | 89-1  | 5741790   | 5814694   | 5796275   | 5784253   | 0.66   | cps   |
| Yttrium    | 89-2  | 990675    | 997517    | 1010520   | 999571    | 1.01   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 11:23:44 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 4224 | 4417 | 4337 | 4326    | 2.25   | cps   |
| Zirconium | 90-1 | 3259 | 2867 | 2659 | 2928    | 10.41  | cps   |
| Zirconium | 91-1 | 608  | 492  | 567  | 556     | 10.64  | cps   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P7  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 12:10:59 DataFile Name : 016ICV01.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 37707   | 37774   | 37356   | 37612   | 0.60   | cps   |
| Antimony   | 121-1 | 1346046 | 1325704 | 1309350 | 1327033 | 1.39   | cps   |
| Arsenic    | 75-1  | 286769  | 282617  | 282439  | 283942  | 0.86   | cps   |
| Barium     | 135-1 | 176162  | 178626  | 174556  | 176448  | 1.16   | cps   |
| Barium     | 137-1 | 313201  | 312569  | 308688  | 311486  | 0.78   | cps   |
| Beryllium  | 9-1   | 180814  | 178942  | 178498  | 179418  | 0.69   | cps   |
| Bismuth    | 209-1 | 6533659 | 6495936 | 6543521 | 6524372 | 0.38   | cps   |
| Bismuth    | 209-2 | 4341424 | 4398735 | 4370028 | 4370062 | 0.66   | cps   |
| Boron      | 10-1  | 600     | 500     | 550     | 550     | 9.09   | cps   |
| Boron      | 11-1  | 2459    | 2250    | 2475    | 2395    | 5.24   | cps   |
| Cadmium    | 111-1 | 193810  | 189616  | 189525  | 190984  | 1.28   | cps   |
| Cadmium    | 106-1 | 20290   | 20073   | 19598   | 19987   | 1.77   | cps   |
| Cadmium    | 108-1 | 12155   | 12185   | 12193   | 12178   | 0.16   | cps   |
| Calcium    | 43-1  | 44827   | 43933   | 42947   | 43902   | 2.14   | cps   |
| Calcium    | 44-1  | 717536  | 713314  | 715054  | 715301  | 0.30   | cps   |
| Chromium   | 52-2  | 206995  | 206254  | 206342  | 206530  | 0.20   | cps   |
| Cobalt     | 59-2  | 328623  | 328332  | 329233  | 328730  | 0.14   | cps   |
| Copper     | 63-2  | 223439  | 221961  | 223754  | 223051  | 0.43   | cps   |
| Dysprosium | 156-1 | 17      | 17      | 17      | 17      | 0.00   | cps   |
| Dysprosium | 156-2 | 10      | 10      | 13      | 11      | 17.30  | cps   |
| Erbium     | 164-1 | 75      | 100     | 75      | 83      | 17.33  | cps   |
| Erbium     | 164-2 | 40      | 40      | 73      | 51      | 37.65  | cps   |
| Gadolinium | 160-1 | 42      | 33      | 33      | 36      | 13.33  | cps   |
| Gadolinium | 160-2 | 180     | 130     | 113     | 141     | 24.58  | cps   |
| Holmium    | 165-1 | 9148441 | 9116594 | 9151688 | 9138908 | 0.21   | cps   |
| Holmium    | 165-2 | 5472744 | 5473405 | 5480947 | 5475699 | 0.08   | cps   |
| Indium     | 115-1 | 6546188 | 6492145 | 6468591 | 6502308 | 0.61   | cps   |
| Indium     | 115-2 | 1509676 | 1517722 | 1525932 | 1517777 | 0.54   | cps   |
| Iron       | 56-2  | 1842693 | 1840339 | 1841495 | 1841509 | 0.06   | cps   |
| Iron       | 57-2  | 46424   | 45794   | 47059   | 46426   | 1.36   | cps   |
| Krypton    | 83-1  | 267     | 247     | 237     | 250     | 6.11   | cps   |
| Lead       | 206-1 | 1373279 | 1356042 | 1349330 | 1359551 | 0.91   | cps   |
| Lead       | 207-1 | 1194764 | 1182362 | 1181923 | 1186350 | 0.61   | cps   |
| Lead       | 208-1 | 5486008 | 5410611 | 5398533 | 5431717 | 0.87   | cps   |
| Lithium    | 6-1   | 2524755 | 2518513 | 2521736 | 2521668 | 0.12   | cps   |
| Magnesium  | 24-2  | 206097  | 205226  | 206335  | 205886  | 0.28   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 12:10:59 | DataFile Name :   | 016ICV01.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 133934  | 131938  | 133486  | 133119  | 0.79   | cps   |
| Molybdenum | 94-1  | 292     | 242     | 233     | 256     | 12.35  | cps   |
| Molybdenum | 95-1  | 50      | 67      | 83      | 67      | 25.00  | cps   |
| Molybdenum | 96-1  | 242     | 250     | 175     | 222     | 18.50  | cps   |
| Molybdenum | 97-1  | 67      | 42      | 67      | 58      | 24.74  | cps   |
| Molybdenum | 98-1  | 167     | 158     | 167     | 164     | 2.94   | cps   |
| Neodymium  | 150-1 | 20      | 13      | 20      | 18      | 21.66  | cps   |
| Neodymium  | 150-2 | 7       | 3       | 3       | 4       | 43.40  | cps   |
| Nickel     | 60-2  | 84867   | 84572   | 84358   | 84599   | 0.30   | cps   |
| Phosphorus | 31-2  | 183     | 208     | 167     | 186     | 11.27  | cps   |
| Potassium  | 39-2  | 350251  | 354667  | 349492  | 351470  | 0.80   | cps   |
| Rhodium    | 103-1 | 5848075 | 5844689 | 5859425 | 5850730 | 0.13   | cps   |
| Rhodium    | 103-2 | 2943593 | 2959841 | 2960567 | 2954667 | 0.32   | cps   |
| Scandium   | 45-1  | 4170361 | 4117967 | 4132071 | 4140133 | 0.65   | cps   |
| Scandium   | 45-2  | 197666  | 196750  | 199255  | 197890  | 0.64   | cps   |
| Selenium   | 77-2  | 1457    | 1523    | 1637    | 1539    | 5.91   | cps   |
| Selenium   | 78-2  | 5327    | 5164    | 5264    | 5252    | 1.57   | cps   |
| Selenium   | 82-1  | 29155   | 28808   | 28901   | 28955   | 0.62   | cps   |
| Silicon    | 28-1  | 121759  | 117946  | 120112  | 119939  | 1.59   | cps   |
| Silver     | 109-1 | 834416  | 827215  | 827075  | 829569  | 0.51   | cps   |
| Silver     | 107-1 | 869171  | 854596  | 853916  | 859228  | 1.00   | cps   |
| Sodium     | 23-2  | 651340  | 650501  | 650704  | 650848  | 0.07   | cps   |
| Strontium  | 86-1  | 5718    | 5251    | 5543    | 5504    | 4.28   | cps   |
| Strontium  | 88-1  | 44144   | 45649   | 44779   | 44857   | 1.68   | cps   |
| Sulfur     | 34-1  | 239385  | 239062  | 241254  | 239900  | 0.49   | cps   |
| Terbium    | 159-1 | 9438564 | 9418085 | 9412453 | 9423034 | 0.15   | cps   |
| Terbium    | 159-2 | 5351623 | 5381120 | 5344256 | 5359000 | 0.36   | cps   |
| Thallium   | 203-1 | 1658281 | 1654166 | 1656723 | 1656390 | 0.13   | cps   |
| Thallium   | 205-1 | 4008473 | 3986826 | 3953723 | 3983007 | 0.69   | cps   |
| Thorium    | 232-1 | 167     | 194     | 256     | 206     | 22.12  | cps   |
| Tin        | 118-1 | 467     | 417     | 417     | 433     | 6.66   | cps   |
| Titanium   | 47-1  | 92      | 75      | 92      | 86      | 11.18  | cps   |
| Uranium    | 238-1 | 17      | 42      | 17      | 25      | 57.73  | cps   |
| Vanadium   | 51-2  | 171848  | 169413  | 168809  | 170024  | 0.95   | cps   |
| Yttrium    | 89-1  | 6680208 | 6660878 | 6643191 | 6661425 | 0.28   | cps   |
| Yttrium    | 89-2  | 1105363 | 1110964 | 1112829 | 1109719 | 0.35   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB102879            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-05-20 12:10:59 | DataFile Name :   | 016ICV01.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 76399 | 76255 | 77451 | 76701   | 0.85   | cps   |
| Zirconium | 90-1 | 583   | 617   | 500   | 567     | 10.60  | cps   |
| Zirconium | 91-1 | 383   | 458   | 300   | 381     | 20.81  | cps   |



LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 12:14:36 DataFile Name : 017CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 8       | 25      | 17      | 17      | 50.01  | cps   |
| Antimony   | 121-1 | 992     | 1108    | 1375    | 1158    | 16.96  | cps   |
| Arsenic    | 75-1  | -150    | -195    | -193    | -179    | -14.16 | cps   |
| Barium     | 135-1 | 17      | 42      | 33      | 31      | 41.65  | cps   |
| Barium     | 137-1 | 50      | 25      | 25      | 33      | 43.30  | cps   |
| Beryllium  | 9-1   | 100     | 77      | 93      | 90      | 13.35  | cps   |
| Bismuth    | 209-1 | 6520138 | 6539152 | 6519660 | 6526317 | 0.17   | cps   |
| Bismuth    | 209-2 | 4331803 | 4368506 | 4374146 | 4358152 | 0.53   | cps   |
| Boron      | 10-1  | 600     | 475     | 583     | 553     | 12.28  | cps   |
| Boron      | 11-1  | 1909    | 2017    | 2125    | 2017    | 5.37   | cps   |
| Cadmium    | 111-1 | 2097    | 2161    | 2186    | 2148    | 2.14   | cps   |
| Cadmium    | 106-1 | 2934    | 3067    | 3075    | 3025    | 2.63   | cps   |
| Cadmium    | 108-1 | 4       | 4       | 13      | 7       | 69.23  | cps   |
| Calcium    | 43-1  | 33      | 83      | 83      | 67      | 43.31  | cps   |
| Calcium    | 44-1  | 4351    | 4026    | 4434    | 4270    | 5.05   | cps   |
| Chromium   | 52-2  | 437     | 450     | 363     | 417     | 11.20  | cps   |
| Cobalt     | 59-2  | 33      | 50      | 33      | 39      | 24.75  | cps   |
| Copper     | 63-2  | 360     | 443     | 360     | 388     | 12.41  | cps   |
| Dysprosium | 156-1 | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 17      | 25      | 17      | 19      | 24.73  | cps   |
| Erbium     | 164-2 | 13      | 17      | 23      | 18      | 28.64  | cps   |
| Gadolinium | 160-1 | 50      | 58      | 25      | 44      | 39.04  | cps   |
| Gadolinium | 160-2 | 147     | 150     | 177     | 158     | 10.42  | cps   |
| Holmium    | 165-1 | 9068475 | 9110837 | 9058060 | 9079124 | 0.31   | cps   |
| Holmium    | 165-2 | 5391738 | 5471198 | 5475685 | 5446207 | 0.87   | cps   |
| Indium     | 115-1 | 6493596 | 6484757 | 6485425 | 6487926 | 0.08   | cps   |
| Indium     | 115-2 | 1516985 | 1535963 | 1534338 | 1529095 | 0.69   | cps   |
| Iron       | 56-2  | 2600    | 2395    | 2606    | 2534    | 4.75   | cps   |
| Iron       | 57-2  | 56      | 111     | 89      | 85      | 32.83  | cps   |
| Krypton    | 83-1  | 213     | 287     | 237     | 246     | 15.26  | cps   |
| Lead       | 206-1 | 322     | 278     | 378     | 326     | 15.37  | cps   |
| Lead       | 207-1 | 256     | 261     | 222     | 246     | 8.54   | cps   |
| Lead       | 208-1 | 1245    | 1106    | 1211    | 1187    | 6.11   | cps   |
| Lithium    | 6-1   | 2516268 | 2522926 | 2509448 | 2516214 | 0.27   | cps   |
| Magnesium  | 24-2  | 150     | 117     | 125     | 131     | 13.29  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:14:36 | DataFile Name :   | 017CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 30      | 33      | 27      | 30      | 11.10  | cps   |
| Molybdenum | 94-1  | 167     | 158     | 158     | 161     | 2.98   | cps   |
| Molybdenum | 95-1  | 8       | 8       | 33      | 17      | 86.62  | cps   |
| Molybdenum | 96-1  | 83      | 75      | 83      | 81      | 5.98   | cps   |
| Molybdenum | 97-1  | 25      | 17      | 17      | 19      | 24.73  | cps   |
| Molybdenum | 98-1  | 50      | 117     | 83      | 83      | 40.00  | cps   |
| Neodymium  | 150-1 | 0       | 7       | 7       | 4       | 86.60  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 30      | 37      | 30      | 32      | 11.95  | cps   |
| Phosphorus | 31-2  | 200     | 200     | 117     | 172     | 27.94  | cps   |
| Potassium  | 39-2  | 12589   | 12523   | 12664   | 12592   | 0.56   | cps   |
| Rhodium    | 103-1 | 5808260 | 5872916 | 5855245 | 5845474 | 0.57   | cps   |
| Rhodium    | 103-2 | 2957162 | 2982983 | 2994735 | 2978293 | 0.65   | cps   |
| Scandium   | 45-1  | 4117693 | 4120775 | 4128684 | 4122384 | 0.14   | cps   |
| Scandium   | 45-2  | 199389  | 201788  | 201027  | 200735  | 0.61   | cps   |
| Selenium   | 77-2  | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 39      | 46      | 50      | 45      | 12.55  | cps   |
| Selenium   | 82-1  | 68      | -5      | 61      | 41      | 97.87  | cps   |
| Silicon    | 28-1  | 116375  | 114510  | 116106  | 115664  | 0.87   | cps   |
| Silver     | 109-1 | 175     | 158     | 125     | 153     | 16.66  | cps   |
| Silver     | 107-1 | 167     | 233     | 183     | 194     | 17.85  | cps   |
| Sodium     | 23-2  | 3784    | 3901    | 3784    | 3823    | 1.76   | cps   |
| Strontium  | 86-1  | 450     | 350     | 375     | 392     | 13.29  | cps   |
| Strontium  | 88-1  | 33      | 58      | 83      | 58      | 42.86  | cps   |
| Sulfur     | 34-1  | 245280  | 245786  | 241526  | 244197  | 0.95   | cps   |
| Terbium    | 159-1 | 9334700 | 9373758 | 9318273 | 9342244 | 0.31   | cps   |
| Terbium    | 159-2 | 5325894 | 5383687 | 5391698 | 5367093 | 0.67   | cps   |
| Thallium   | 203-1 | 542     | 400     | 483     | 475     | 14.99  | cps   |
| Thallium   | 205-1 | 1325    | 1125    | 1125    | 1192    | 9.69   | cps   |
| Thorium    | 232-1 | 161     | 150     | 106     | 139     | 21.17  | cps   |
| Tin        | 118-1 | 383     | 292     | 358     | 344     | 13.76  | cps   |
| Titanium   | 47-1  | 75      | 108     | 92      | 92      | 18.18  | cps   |
| Uranium    | 238-1 | 17      | 8       | 25      | 17      | 50.01  | cps   |
| Vanadium   | 51-2  | 7       | 3       | 7       | 6       | 34.70  | cps   |
| Yttrium    | 89-1  | 6627888 | 6657878 | 6697084 | 6660950 | 0.52   | cps   |
| Yttrium    | 89-2  | 1107601 | 1114748 | 1115295 | 1112548 | 0.39   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:14:36 | DataFile Name :   | 017CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 140  | 143  | 140  | 141     | 1.37   | cps   |
| Zirconium | 90-1 | 542  | 667  | 550  | 586     | 11.92  | cps   |
| Zirconium | 91-1 | 133  | 117  | 108  | 119     | 10.66  | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB102879            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-05-20 12:23:50 | DataFile Name :   | 018ICSA01.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 6519299   | 6571345   | 6586151   | 6558932   | 0.54   | cps   |
| Antimony   | 121-1 | 7794      | 7819      | 7853      | 7822      | 0.37   | cps   |
| Arsenic    | 75-1  | 1298      | 1593      | 1480      | 1457      | 10.22  | cps   |
| Barium     | 135-1 | 2425      | 2825      | 2617      | 2623      | 7.63   | cps   |
| Barium     | 137-1 | 4751      | 4601      | 4493      | 4615      | 2.81   | cps   |
| Beryllium  | 9-1   | 543       | 520       | 500       | 521       | 4.16   | cps   |
| Bismuth    | 209-1 | 6054387   | 6136914   | 6137419   | 6109573   | 0.78   | cps   |
| Bismuth    | 209-2 | 4179391   | 4037177   | 4037626   | 4084731   | 2.01   | cps   |
| Boron      | 10-1  | 492       | 533       | 433       | 486       | 10.33  | cps   |
| Boron      | 11-1  | 2617      | 2600      | 2742      | 2653      | 2.92   | cps   |
| Cadmium    | 111-1 | 2760      | 2784      | 2775      | 2773      | 0.43   | cps   |
| Cadmium    | 106-1 | 2484      | 2617      | 2509      | 2536      | 2.79   | cps   |
| Cadmium    | 108-1 | 2029      | 2075      | 2092      | 2065      | 1.57   | cps   |
| Calcium    | 43-1  | 1994481   | 2001505   | 1993420   | 1996469   | 0.22   | cps   |
| Calcium    | 44-1  | 32672334  | 32566860  | 32462596  | 32567263  | 0.32   | cps   |
| Chromium   | 52-2  | 38149     | 38156     | 38587     | 38298     | 0.66   | cps   |
| Cobalt     | 59-2  | 3594      | 3600      | 3554      | 3583      | 0.70   | cps   |
| Copper     | 63-2  | 15352     | 16069     | 15929     | 15783     | 2.41   | cps   |
| Dysprosium | 156-1 | 17        | 8         | 42        | 22        | 78.07  | cps   |
| Dysprosium | 156-2 | 23        | 23        | 50        | 32        | 47.79  | cps   |
| Erbium     | 164-1 | 125       | 117       | 67        | 103       | 30.70  | cps   |
| Erbium     | 164-2 | 30        | 23        | 33        | 29        | 17.63  | cps   |
| Gadolinium | 160-1 | 108       | 75        | 42        | 75        | 44.44  | cps   |
| Gadolinium | 160-2 | 173       | 180       | 170       | 174       | 2.92   | cps   |
| Holmium    | 165-1 | 9033434   | 9105022   | 9096426   | 9078294   | 0.43   | cps   |
| Holmium    | 165-2 | 5649011   | 5420711   | 5427928   | 5499217   | 2.36   | cps   |
| Indium     | 115-1 | 5892615   | 5995095   | 5963105   | 5950272   | 0.88   | cps   |
| Indium     | 115-2 | 1453786   | 1392099   | 1399176   | 1415020   | 2.39   | cps   |
| Iron       | 56-2  | 164553770 | 165726043 | 165623065 | 165300959 | 0.39   | cps   |
| Iron       | 57-2  | 4148188   | 4157875   | 4188342   | 4164802   | 0.50   | cps   |
| Krypton    | 83-1  | 220       | 257       | 213       | 230       | 10.14  | cps   |
| Lead       | 206-1 | 30096     | 31326     | 31727     | 31050     | 2.74   | cps   |
| Lead       | 207-1 | 23911     | 24256     | 24612     | 24260     | 1.45   | cps   |
| Lead       | 208-1 | 115505    | 116851    | 117201    | 116519    | 0.77   | cps   |
| Lithium    | 6-1   | 2241597   | 2254887   | 2243708   | 2246731   | 0.32   | cps   |
| Magnesium  | 24-2  | 15850421  | 15891603  | 15922922  | 15888315  | 0.23   | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB102879            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-05-20 12:23:50 | DataFile Name :   | 018ICSA01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 9907     | 10217    | 10324    | 10149    | 2.13   | cps   |
| Molybdenum | 94-1  | 3498160  | 3500384  | 3526459  | 3508334  | 0.45   | cps   |
| Molybdenum | 95-1  | 6189991  | 6244497  | 6252825  | 6229104  | 0.55   | cps   |
| Molybdenum | 96-1  | 6643219  | 6683710  | 6696943  | 6674624  | 0.42   | cps   |
| Molybdenum | 97-1  | 3839971  | 3851341  | 3835818  | 3842377  | 0.21   | cps   |
| Molybdenum | 98-1  | 10008142 | 10068266 | 10112419 | 10062943 | 0.52   | cps   |
| Neodymium  | 150-1 | 27       | 40       | 27       | 31       | 24.74  | cps   |
| Neodymium  | 150-2 | 0        | 37       | 30       | 22       | 87.89  | cps   |
| Nickel     | 60-2  | 3967     | 4114     | 4247     | 4110     | 3.41   | cps   |
| Phosphorus | 31-2  | 366082   | 364224   | 365404   | 365237   | 0.26   | cps   |
| Potassium  | 39-2  | 15362690 | 15629680 | 15677890 | 15556753 | 1.09   | cps   |
| Rhodium    | 103-1 | 4988437  | 5042354  | 5009362  | 5013384  | 0.54   | cps   |
| Rhodium    | 103-2 | 2732794  | 2628036  | 2621934  | 2660921  | 2.34   | cps   |
| Scandium   | 45-1  | 3711260  | 3723254  | 3757991  | 3730835  | 0.65   | cps   |
| Scandium   | 45-2  | 190776   | 182701   | 184108   | 185862   | 2.32   | cps   |
| Selenium   | 77-2  | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Selenium   | 78-2  | 46       | 37       | 63       | 49       | 26.93  | cps   |
| Selenium   | 82-1  | 82       | -6       | 57       | 44       | 102.45 | cps   |
| Silicon    | 28-1  | 190700   | 188641   | 189536   | 189626   | 0.54   | cps   |
| Silver     | 109-1 | 300      | 483      | 442      | 408      | 23.54  | cps   |
| Silver     | 107-1 | 408      | 442      | 592      | 481      | 20.32  | cps   |
| Sodium     | 23-2  | 29833961 | 30085429 | 30351707 | 30090366 | 0.86   | cps   |
| Strontium  | 86-1  | 71771    | 74101    | 74787    | 73553    | 2.15   | cps   |
| Strontium  | 88-1  | 636027   | 644730   | 645267   | 642008   | 0.81   | cps   |
| Sulfur     | 34-1  | 3793482  | 3814009  | 3783751  | 3797081  | 0.41   | cps   |
| Terbium    | 159-1 | 9133761  | 9245175  | 9395388  | 9258108  | 1.42   | cps   |
| Terbium    | 159-2 | 5529495  | 5267619  | 5286393  | 5361169  | 2.72   | cps   |
| Thallium   | 203-1 | 592      | 717      | 658      | 656      | 9.54   | cps   |
| Thallium   | 205-1 | 2075     | 1967     | 1717     | 1920     | 9.58   | cps   |
| Thorium    | 232-1 | 244      | 389      | 356      | 330      | 22.95  | cps   |
| Tin        | 118-1 | 1317     | 1233     | 1308     | 1286     | 3.57   | cps   |
| Titanium   | 47-1  | 1770372  | 1782633  | 1765669  | 1772891  | 0.49   | cps   |
| Uranium    | 238-1 | 542      | 508      | 683      | 578      | 16.08  | cps   |
| Vanadium   | 51-2  | 250      | 280      | 260      | 263      | 5.80   | cps   |
| Yttrium    | 89-1  | 6145859  | 6248598  | 6257685  | 6217381  | 1.00   | cps   |
| Yttrium    | 89-2  | 1087711  | 1038895  | 1038820  | 1055142  | 2.67   | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB102879            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-05-20 12:23:50 | DataFile Name :   | 018ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 4024 | 4124 | 3994 | 4047    | 1.68   | cps   |
| Zirconium | 90-1 | 708  | 717  | 725  | 717     | 1.16   | cps   |
| Zirconium | 91-1 | 100  | 175  | 125  | 133     | 28.64  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:36:28 | DataFile Name :   | 021ICSB.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 6453234   | 6437948   | 6432728   | 6441304   | 0.17   | cps   |
| Antimony   | 121-1 | 141280    | 140168    | 140345    | 140597    | 0.43   | cps   |
| Arsenic    | 75-1  | 26917     | 27166     | 27370     | 27151     | 0.84   | cps   |
| Barium     | 135-1 | 38655     | 37585     | 36883     | 37708     | 2.37   | cps   |
| Barium     | 137-1 | 66233     | 66869     | 64610     | 65904     | 1.77   | cps   |
| Beryllium  | 9-1   | 32097     | 31853     | 31316     | 31755     | 1.26   | cps   |
| Bismuth    | 209-1 | 6280153   | 6173154   | 6277737   | 6243681   | 0.98   | cps   |
| Bismuth    | 209-2 | 3994194   | 3991942   | 3985020   | 3990385   | 0.12   | cps   |
| Boron      | 10-1  | 3492      | 3542      | 2917      | 3317      | 10.47  | cps   |
| Boron      | 11-1  | 14975     | 13215     | 12539     | 13576     | 9.26   | cps   |
| Cadmium    | 111-1 | 37580     | 36976     | 36624     | 37060     | 1.30   | cps   |
| Cadmium    | 106-1 | 5501      | 5960      | 5660      | 5707      | 4.08   | cps   |
| Cadmium    | 108-1 | 4272      | 4280      | 4034      | 4195      | 3.33   | cps   |
| Calcium    | 43-1  | 1980554   | 1959197   | 1954644   | 1964799   | 0.70   | cps   |
| Calcium    | 44-1  | 32228446  | 32212931  | 32010067  | 32150481  | 0.38   | cps   |
| Chromium   | 52-2  | 75599     | 74423     | 75201     | 75074     | 0.80   | cps   |
| Cobalt     | 59-2  | 62027     | 62329     | 62386     | 62247     | 0.31   | cps   |
| Copper     | 63-2  | 53109     | 54357     | 53437     | 53635     | 1.21   | cps   |
| Dysprosium | 156-1 | 33        | 42        | 58        | 44        | 28.65  | cps   |
| Dysprosium | 156-2 | 20        | 17        | 20        | 19        | 10.18  | cps   |
| Erbium     | 164-1 | 58        | 100       | 42        | 67        | 45.07  | cps   |
| Erbium     | 164-2 | 40        | 47        | 37        | 41        | 12.39  | cps   |
| Gadolinium | 160-1 | 33        | 75        | 75        | 61        | 39.37  | cps   |
| Gadolinium | 160-2 | 167       | 173       | 183       | 174       | 4.81   | cps   |
| Holmium    | 165-1 | 9328955   | 9322328   | 9240872   | 9297385   | 0.53   | cps   |
| Holmium    | 165-2 | 5387477   | 5370331   | 5382901   | 5380237   | 0.17   | cps   |
| Indium     | 115-1 | 6087463   | 6015369   | 6068583   | 6057138   | 0.62   | cps   |
| Indium     | 115-2 | 1385817   | 1382851   | 1398168   | 1388946   | 0.58   | cps   |
| Iron       | 56-2  | 163035131 | 163481231 | 163315515 | 163277293 | 0.14   | cps   |
| Iron       | 57-2  | 4082172   | 4085448   | 4073615   | 4080411   | 0.15   | cps   |
| Krypton    | 83-1  | 260       | 193       | 203       | 219       | 16.43  | cps   |
| Lead       | 206-1 | 168136    | 166314    | 167627    | 167359    | 0.56   | cps   |
| Lead       | 207-1 | 140658    | 137087    | 138897    | 138881    | 1.29   | cps   |
| Lead       | 208-1 | 651607    | 647565    | 649195    | 649456    | 0.31   | cps   |
| Lithium    | 6-1   | 2225984   | 2213008   | 2215369   | 2218120   | 0.31   | cps   |
| Magnesium  | 24-2  | 15615067  | 15642264  | 15632528  | 15629953  | 0.09   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:36:28 | DataFile Name :   | 021ICSB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 34420    | 34330    | 34424    | 34391    | 0.15   | cps   |
| Molybdenum | 94-1  | 3500466  | 3465517  | 3460292  | 3475425  | 0.63   | cps   |
| Molybdenum | 95-1  | 6212880  | 6187704  | 6185509  | 6195364  | 0.25   | cps   |
| Molybdenum | 96-1  | 6678314  | 6602122  | 6616597  | 6632344  | 0.61   | cps   |
| Molybdenum | 97-1  | 3807759  | 3801712  | 3804454  | 3804642  | 0.08   | cps   |
| Molybdenum | 98-1  | 9977478  | 9907220  | 9929240  | 9937979  | 0.36   | cps   |
| Neodymium  | 150-1 | 40       | 27       | 20       | 29       | 35.25  | cps   |
| Neodymium  | 150-2 | 13       | 17       | 13       | 14       | 13.35  | cps   |
| Nickel     | 60-2  | 18115    | 18418    | 18579    | 18371    | 1.28   | cps   |
| Phosphorus | 31-2  | 359480   | 356898   | 357476   | 357951   | 0.38   | cps   |
| Potassium  | 39-2  | 15321419 | 15329253 | 15351384 | 15334019 | 0.10   | cps   |
| Rhodium    | 103-1 | 5079187  | 4983761  | 4999451  | 5020799  | 1.02   | cps   |
| Rhodium    | 103-2 | 2608035  | 2600478  | 2611335  | 2606616  | 0.21   | cps   |
| Scandium   | 45-1  | 3737608  | 3721333  | 3704286  | 3721076  | 0.45   | cps   |
| Scandium   | 45-2  | 180265   | 180157   | 179253   | 179892   | 0.31   | cps   |
| Selenium   | 77-2  | 143      | 133      | 113      | 130      | 11.75  | cps   |
| Selenium   | 78-2  | 454      | 489      | 504      | 482      | 5.33   | cps   |
| Selenium   | 82-1  | 2534     | 2659     | 2649     | 2614     | 2.65   | cps   |
| Silicon    | 28-1  | 218972   | 214672   | 213505   | 215716   | 1.33   | cps   |
| Silver     | 109-1 | 144951   | 142856   | 143513   | 143773   | 0.75   | cps   |
| Silver     | 107-1 | 151181   | 149734   | 150474   | 150463   | 0.48   | cps   |
| Sodium     | 23-2  | 29799664 | 29736938 | 29618719 | 29718441 | 0.31   | cps   |
| Strontium  | 86-1  | 72182    | 73119    | 71202    | 72168    | 1.33   | cps   |
| Strontium  | 88-1  | 635704   | 633710   | 631418   | 633611   | 0.34   | cps   |
| Sulfur     | 34-1  | 3734660  | 3705720  | 3687760  | 3709380  | 0.64   | cps   |
| Terbium    | 159-1 | 9451043  | 9444333  | 9413817  | 9436398  | 0.21   | cps   |
| Terbium    | 159-2 | 5208604  | 5214458  | 5247801  | 5223621  | 0.40   | cps   |
| Thallium   | 203-1 | 166411   | 166472   | 161982   | 164955   | 1.56   | cps   |
| Thallium   | 205-1 | 399750   | 399618   | 398700   | 399356   | 0.14   | cps   |
| Thorium    | 232-1 | 2234     | 1734     | 1378     | 1782     | 24.13  | cps   |
| Tin        | 118-1 | 2034     | 1834     | 1609     | 1825     | 11.65  | cps   |
| Titanium   | 47-1  | 1759494  | 1732887  | 1728608  | 1740330  | 0.96   | cps   |
| Uranium    | 238-1 | 1517     | 1083     | 958      | 1186     | 24.70  | cps   |
| Vanadium   | 51-2  | 31414    | 31250    | 30395    | 31019    | 1.76   | cps   |
| Yttrium    | 89-1  | 6309832  | 6289741  | 6327181  | 6308918  | 0.30   | cps   |
| Yttrium    | 89-2  | 1035019  | 1030232  | 1028745  | 1031332  | 0.32   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:36:28 | DataFile Name :   | 021ICSB.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 10771 | 10654 | 10851 | 10759   | 0.92   | cps   |
| Zirconium | 90-1 | 1400  | 1258  | 1075  | 1245    | 13.09  | cps   |
| Zirconium | 91-1 | 317   | 333   | 158   | 269     | 35.85  | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV94               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV94               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 12:40:42 | DataFile Name :   | 022CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 3925281   | 3943162   | 3914509   | 3927651   | 0.37   | cps   |
| Antimony   | 121-1 | 3123036   | 3094039   | 3123703   | 3113593   | 0.54   | cps   |
| Arsenic    | 75-1  | 613955    | 608687    | 612531    | 611724    | 0.45   | cps   |
| Barium     | 135-1 | 4252620   | 4235370   | 4234574   | 4240855   | 0.24   | cps   |
| Barium     | 137-1 | 7543339   | 7505237   | 7519567   | 7522714   | 0.26   | cps   |
| Beryllium  | 9-1   | 774943    | 776625    | 776825    | 776131    | 0.13   | cps   |
| Bismuth    | 209-1 | 5935444   | 5903372   | 6005376   | 5948064   | 0.88   | cps   |
| Bismuth    | 209-2 | 3874912   | 3874731   | 3886863   | 3878835   | 0.18   | cps   |
| Boron      | 10-1  | 119310    | 119939    | 119771    | 119673    | 0.27   | cps   |
| Boron      | 11-1  | 517328    | 525031    | 525395    | 522584    | 0.87   | cps   |
| Cadmium    | 111-1 | 825905    | 827278    | 825119    | 826101    | 0.13   | cps   |
| Cadmium    | 106-1 | 94984     | 97813     | 95555     | 96117     | 1.56   | cps   |
| Cadmium    | 108-1 | 63860     | 64220     | 63772     | 63951     | 0.37   | cps   |
| Calcium    | 43-1  | 4917195   | 4945629   | 4968188   | 4943671   | 0.52   | cps   |
| Calcium    | 44-1  | 80349808  | 80326375  | 80684691  | 80453625  | 0.25   | cps   |
| Chromium   | 52-2  | 946691    | 940683    | 942190    | 943188    | 0.33   | cps   |
| Cobalt     | 59-2  | 1436591   | 1445686   | 1437538   | 1439938   | 0.35   | cps   |
| Copper     | 63-2  | 2028279   | 2046653   | 2042753   | 2039228   | 0.47   | cps   |
| Dysprosium | 156-1 | 92        | 125       | 125       | 114       | 16.90  | cps   |
| Dysprosium | 156-2 | 113       | 100       | 113       | 109       | 7.07   | cps   |
| Erbium     | 164-1 | 42        | 42        | 25        | 36        | 26.65  | cps   |
| Erbium     | 164-2 | 13        | 33        | 30        | 26        | 41.94  | cps   |
| Gadolinium | 160-1 | 92        | 100       | 75        | 89        | 14.33  | cps   |
| Gadolinium | 160-2 | 153       | 167       | 183       | 168       | 8.96   | cps   |
| Holmium    | 165-1 | 9257404   | 9241956   | 9267992   | 9255784   | 0.14   | cps   |
| Holmium    | 165-2 | 5358404   | 5359384   | 5368224   | 5362004   | 0.10   | cps   |
| Indium     | 115-1 | 5955282   | 5960680   | 5975743   | 5963902   | 0.18   | cps   |
| Indium     | 115-2 | 1374017   | 1380890   | 1382880   | 1379262   | 0.34   | cps   |
| Iron       | 56-2  | 207614977 | 208812477 | 208756188 | 208394547 | 0.32   | cps   |
| Iron       | 57-2  | 5214674   | 5236746   | 5188881   | 5213433   | 0.46   | cps   |
| Krypton    | 83-1  | 220       | 267       | 263       | 250       | 10.41  | cps   |
| Lead       | 206-1 | 3120848   | 3104640   | 3092756   | 3106081   | 0.45   | cps   |
| Lead       | 207-1 | 2836077   | 2841803   | 2819232   | 2832371   | 0.41   | cps   |
| Lead       | 208-1 | 12905609  | 12830921  | 12797110  | 12844547  | 0.43   | cps   |
| Lithium    | 6-1   | 2257426   | 2266132   | 2266723   | 2263427   | 0.23   | cps   |
| Magnesium  | 24-2  | 39188526  | 39348996  | 39380376  | 39305966  | 0.26   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV94               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV94               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 12:40:42 | DataFile Name :   | 022CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1237587  | 1237271  | 1232188  | 1235682  | 0.25   | cps   |
| Molybdenum | 94-1  | 6484671  | 6437250  | 6478851  | 6466924  | 0.40   | cps   |
| Molybdenum | 95-1  | 7846869  | 7774150  | 7743838  | 7788286  | 0.68   | cps   |
| Molybdenum | 96-1  | 8757223  | 8670576  | 8685478  | 8704426  | 0.53   | cps   |
| Molybdenum | 97-1  | 4835738  | 4781820  | 4826129  | 4814563  | 0.60   | cps   |
| Molybdenum | 98-1  | 12597556 | 12536220 | 12598417 | 12577397 | 0.28   | cps   |
| Neodymium  | 150-1 | 533      | 433      | 313      | 427      | 25.82  | cps   |
| Neodymium  | 150-2 | 83       | 100      | 100      | 94       | 10.18  | cps   |
| Nickel     | 60-2  | 353917   | 351654   | 354467   | 353346   | 0.42   | cps   |
| Phosphorus | 31-2  | 37540    | 36011    | 36963    | 36838    | 2.10   | cps   |
| Potassium  | 39-2  | 20069831 | 20207128 | 20118664 | 20131874 | 0.35   | cps   |
| Rhodium    | 103-1 | 4994237  | 4964283  | 4956100  | 4971540  | 0.40   | cps   |
| Rhodium    | 103-2 | 2558228  | 2570215  | 2566638  | 2565027  | 0.24   | cps   |
| Scandium   | 45-1  | 3825790  | 3774786  | 3810976  | 3803851  | 0.69   | cps   |
| Scandium   | 45-2  | 186943   | 187811   | 185256   | 186670   | 0.70   | cps   |
| Selenium   | 77-2  | 3097     | 3094     | 3107     | 3099     | 0.22   | cps   |
| Selenium   | 78-2  | 10545    | 10747    | 10489    | 10593    | 1.28   | cps   |
| Selenium   | 82-1  | 58979    | 58709    | 59221    | 58970    | 0.43   | cps   |
| Silicon    | 28-1  | 2760068  | 2875049  | 2931942  | 2855686  | 3.07   | cps   |
| Silver     | 109-1 | 3512092  | 3488946  | 3530530  | 3510522  | 0.59   | cps   |
| Silver     | 107-1 | 3630215  | 3647675  | 3627153  | 3635014  | 0.30   | cps   |
| Sodium     | 23-2  | 75186700 | 75760410 | 76393768 | 75780293 | 0.80   | cps   |
| Strontium  | 86-1  | 1050674  | 1036682  | 1056531  | 1047962  | 0.97   | cps   |
| Strontium  | 88-1  | 9342107  | 9307346  | 9306972  | 9318809  | 0.22   | cps   |
| Sulfur     | 34-1  | 566857   | 571600   | 572371   | 570276   | 0.52   | cps   |
| Terbium    | 159-1 | 9409320  | 9340840  | 9387614  | 9379258  | 0.37   | cps   |
| Terbium    | 159-2 | 5225432  | 5232257  | 5213940  | 5223876  | 0.18   | cps   |
| Thallium   | 203-1 | 3881291  | 3855317  | 3827598  | 3854735  | 0.70   | cps   |
| Thallium   | 205-1 | 9405776  | 9432685  | 9399775  | 9412746  | 0.19   | cps   |
| Thorium    | 232-1 | 16102582 | 16139398 | 16080628 | 16107536 | 0.18   | cps   |
| Tin        | 118-1 | 2707222  | 2689540  | 2711856  | 2702872  | 0.44   | cps   |
| Titanium   | 47-1  | 2157919  | 2141270  | 2150132  | 2149774  | 0.39   | cps   |
| Uranium    | 238-1 | 15956427 | 15790462 | 15828626 | 15858505 | 0.55   | cps   |
| Vanadium   | 51-2  | 791848   | 790332   | 789326   | 790502   | 0.16   | cps   |
| Yttrium    | 89-1  | 6383897  | 6303091  | 6317258  | 6334749  | 0.68   | cps   |
| Yttrium    | 89-2  | 1046336  | 1049389  | 1048709  | 1048145  | 0.15   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV94               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV94               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 12:40:42 | DataFile Name :   | 022CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 349118  | 353860  | 349584  | 350854  | 0.75   | cps   |
| Zirconium | 90-1 | 5519386 | 5479626 | 5516189 | 5505067 | 0.40   | cps   |
| Zirconium | 91-1 | 1203833 | 1197512 | 1208950 | 1203431 | 0.48   | cps   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : CCB94 Instrumnet Name : P7  
 Client Sample ID : CCB94 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 12:44:19 DataFile Name : 023CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD  | Units |
|------------|-------|---------|---------|---------|---------|---------|-------|
| Aluminium  | 27-2  | 100     | 92      | 83      | 92      | 9.09    | cps   |
| Antimony   | 121-1 | 3050    | 3084    | 3442    | 3192    | 6.80    | cps   |
| Arsenic    | 75-1  | -8      | 0       | -39     | -16     | -131.17 | cps   |
| Barium     | 135-1 | 292     | 83      | 100     | 158     | 73.12   | cps   |
| Barium     | 137-1 | 492     | 233     | 233     | 319     | 46.69   | cps   |
| Beryllium  | 9-1   | 210     | 227     | 167     | 201     | 15.40   | cps   |
| Bismuth    | 209-1 | 6989910 | 6983162 | 6982061 | 6985044 | 0.06    | cps   |
| Bismuth    | 209-2 | 4471597 | 4518057 | 4503364 | 4497673 | 0.53    | cps   |
| Boron      | 10-1  | 4668    | 4167    | 4059    | 4298    | 7.55    | cps   |
| Boron      | 11-1  | 20364   | 18570   | 17870   | 18935   | 6.80    | cps   |
| Cadmium    | 111-1 | 2482    | 2206    | 2301    | 2330    | 6.02    | cps   |
| Cadmium    | 106-1 | 3292    | 2984    | 3200    | 3159    | 5.01    | cps   |
| Cadmium    | 108-1 | 8       | 17      | 21      | 15      | 41.67   | cps   |
| Calcium    | 43-1  | 300     | 250     | 225     | 258     | 14.78   | cps   |
| Calcium    | 44-1  | 9253    | 7377    | 6560    | 7730    | 17.86   | cps   |
| Chromium   | 52-2  | 383     | 513     | 463     | 453     | 14.47   | cps   |
| Cobalt     | 59-2  | 27      | 43      | 33      | 34      | 24.35   | cps   |
| Copper     | 63-2  | 607     | 543     | 553     | 568     | 6.00    | cps   |
| Dysprosium | 156-1 | 0       | 8       | 0       | 3       | 173.21  | cps   |
| Dysprosium | 156-2 | 0       | 3       | 0       | 1       | 173.21  | cps   |
| Erbium     | 164-1 | 25      | 33      | 42      | 33      | 25.01   | cps   |
| Erbium     | 164-2 | 17      | 13      | 10      | 13      | 25.01   | cps   |
| Gadolinium | 160-1 | 58      | 58      | 42      | 53      | 18.23   | cps   |
| Gadolinium | 160-2 | 153     | 157     | 160     | 157     | 2.13    | cps   |
| Holmium    | 165-1 | 9751249 | 9731225 | 9730671 | 9737715 | 0.12    | cps   |
| Holmium    | 165-2 | 5745557 | 5642189 | 5641524 | 5676423 | 1.05    | cps   |
| Indium     | 115-1 | 6862369 | 6886306 | 6944655 | 6897777 | 0.61    | cps   |
| Indium     | 115-2 | 1575568 | 1587189 | 1570738 | 1577832 | 0.54    | cps   |
| Iron       | 56-2  | 6830    | 6046    | 5712    | 6196    | 9.26    | cps   |
| Iron       | 57-2  | 156     | 222     | 150     | 176     | 22.84   | cps   |
| Krypton    | 83-1  | 243     | 270     | 260     | 258     | 5.23    | cps   |
| Lead       | 206-1 | 694     | 550     | 550     | 598     | 13.94   | cps   |
| Lead       | 207-1 | 478     | 522     | 494     | 498     | 4.51    | cps   |
| Lead       | 208-1 | 2534    | 2367    | 2272    | 2391    | 5.53    | cps   |
| Lithium    | 6-1   | 2528299 | 2517749 | 2535051 | 2527033 | 0.35    | cps   |
| Magnesium  | 24-2  | 708     | 517     | 450     | 558     | 24.02   | cps   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : CCB94 Instrumnet Name : P7  
 Client Sample ID : CCB94 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 12:44:19 DataFile Name : 023CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3     | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|----------|---------|--------|-------|
| Manganese  | 55-2  | 57      | 73      | 40       | 57      | 29.41  | cps   |
| Molybdenum | 94-1  | 2259    | 1884    | 1742     | 1961    | 13.61  | cps   |
| Molybdenum | 95-1  | 3109    | 2675    | 2475     | 2753    | 11.76  | cps   |
| Molybdenum | 96-1  | 3467    | 2867    | 2767     | 3034    | 12.48  | cps   |
| Molybdenum | 97-1  | 1925    | 1717    | 1583     | 1742    | 9.89   | cps   |
| Molybdenum | 98-1  | 4943    | 3726    | 3859     | 4176    | 15.99  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 7        | 2       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0        | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 40      | 23      | 50       | 38      | 35.67  | cps   |
| Phosphorus | 31-2  | 142     | 150     | 192      | 161     | 16.63  | cps   |
| Potassium  | 39-2  | 13982   | 13890   | 13807    | 13893   | 0.63   | cps   |
| Rhodium    | 103-1 | 6185948 | 6065489 | 6174600  | 6142012 | 1.08   | cps   |
| Rhodium    | 103-2 | 3085250 | 3090639 | 3085585  | 3087158 | 0.10   | cps   |
| Scandium   | 45-1  | 4291710 | 4269769 | 4277631  | 4279703 | 0.26   | cps   |
| Scandium   | 45-2  | 204947  | 206900  | 204629   | 205492  | 0.60   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0        | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 48      | 31      | 39       | 40      | 21.14  | cps   |
| Selenium   | 82-1  | 76      | 15      | 42       | 45      | 68.66  | cps   |
| Silicon    | 28-1  | 144971  | 139646  | 135382   | 140000  | 3.43   | cps   |
| Silver     | 109-1 | 458     | 275     | 383      | 372     | 24.76  | cps   |
| Silver     | 107-1 | 500     | 483     | 417      | 467     | 9.45   | cps   |
| Sodium     | 23-2  | 23469   | 22368   | 21942    | 22593   | 3.49   | cps   |
| Strontium  | 86-1  | 400     | 408     | 483      | 431     | 10.66  | cps   |
| Strontium  | 88-1  | 625     | 308     | 358      | 431     | 39.54  | cps   |
| Sulfur     | 34-1  | 238800  | 239021  | 238105   | 238642  | 0.20   | cps   |
| Terbium    | 159-1 | 9994818 | 9948089 | 10000420 | 9981109 | 0.29   | cps   |
| Terbium    | 159-2 | 5523604 | 5598924 | 5548685  | 5557071 | 0.69   | cps   |
| Thallium   | 203-1 | 1442    | 1183    | 992      | 1206    | 18.73  | cps   |
| Thallium   | 205-1 | 3142    | 2750    | 2542     | 2812    | 10.84  | cps   |
| Thorium    | 232-1 | 2317    | 2067    | 1800     | 2061    | 12.54  | cps   |
| Tin        | 118-1 | 1058    | 942     | 1092     | 1031    | 7.64   | cps   |
| Titanium   | 47-1  | 208     | 192     | 150      | 183     | 16.39  | cps   |
| Uranium    | 238-1 | 1050    | 750     | 517      | 772     | 34.62  | cps   |
| Vanadium   | 51-2  | 17      | 13      | 13       | 14      | 13.35  | cps   |
| Yttrium    | 89-1  | 7039576 | 6997073 | 7058729  | 7031792 | 0.45   | cps   |
| Yttrium    | 89-2  | 1142232 | 1159976 | 1152596  | 1151601 | 0.77   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB94               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB94               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 12:44:19 | DataFile Name :   | 023CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 203  | 173  | 167  | 181     | 10.78  | cps   |
| Zirconium | 90-1 | 1050 | 933  | 817  | 933     | 12.50  | cps   |
| Zirconium | 91-1 | 208  | 208  | 217  | 211     | 2.28   | cps   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : PB119879BL Instrumnet Name : P7  
 Client Sample ID : PB119879BL Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 13:06:17 DataFile Name : 027CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 17      | 25      | 33      | 25      | 33.32  | cps   |
| Antimony   | 121-1 | 292     | 142     | 275     | 236     | 34.82  | cps   |
| Arsenic    | 75-1  | -191    | -189    | -215    | -198    | -7.43  | cps   |
| Barium     | 135-1 | 8       | 33      | 33      | 25      | 57.74  | cps   |
| Barium     | 137-1 | 25      | 17      | 25      | 22      | 21.64  | cps   |
| Beryllium  | 9-1   | 80      | 70      | 57      | 69      | 16.99  | cps   |
| Bismuth    | 209-1 | 6721849 | 6754318 | 6716232 | 6730800 | 0.31   | cps   |
| Bismuth    | 209-2 | 4462190 | 4449485 | 4438991 | 4450222 | 0.26   | cps   |
| Boron      | 10-1  | 950     | 1042    | 942     | 978     | 5.68   | cps   |
| Boron      | 11-1  | 4418    | 4609    | 4484    | 4504    | 2.16   | cps   |
| Cadmium    | 111-1 | 2263    | 2082    | 2078    | 2141    | 4.95   | cps   |
| Cadmium    | 106-1 | 3242    | 2942    | 2959    | 3048    | 5.53   | cps   |
| Cadmium    | 108-1 | 21      | 4       | 8       | 11      | 78.05  | cps   |
| Calcium    | 43-1  | 92      | 58      | 58      | 69      | 27.71  | cps   |
| Calcium    | 44-1  | 4309    | 4209    | 4026    | 4181    | 3.44   | cps   |
| Chromium   | 52-2  | 440     | 437     | 507     | 461     | 8.56   | cps   |
| Cobalt     | 59-2  | 30      | 37      | 27      | 31      | 16.37  | cps   |
| Copper     | 63-2  | 380     | 387     | 453     | 407     | 9.97   | cps   |
| Dysprosium | 156-1 | 8       | 0       | 8       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 25      | 42      | 33      | 33      | 25.01  | cps   |
| Erbium     | 164-2 | 13      | 13      | 27      | 18      | 43.33  | cps   |
| Gadolinium | 160-1 | 17      | 17      | 25      | 19      | 24.73  | cps   |
| Gadolinium | 160-2 | 153     | 177     | 163     | 164     | 7.12   | cps   |
| Holmium    | 165-1 | 9526046 | 9526834 | 9397749 | 9483543 | 0.78   | cps   |
| Holmium    | 165-2 | 5629730 | 5620383 | 5605656 | 5618590 | 0.22   | cps   |
| Indium     | 115-1 | 6793840 | 6786832 | 6794915 | 6791862 | 0.06   | cps   |
| Indium     | 115-2 | 1586191 | 1590987 | 1593691 | 1590290 | 0.24   | cps   |
| Iron       | 56-2  | 2939    | 3278    | 3017    | 3078    | 5.77   | cps   |
| Iron       | 57-2  | 111     | 111     | 167     | 130     | 24.75  | cps   |
| Krypton    | 83-1  | 260     | 313     | 283     | 286     | 9.36   | cps   |
| Lead       | 206-1 | 294     | 217     | 211     | 241     | 19.35  | cps   |
| Lead       | 207-1 | 278     | 272     | 217     | 256     | 13.22  | cps   |
| Lead       | 208-1 | 1028    | 1028    | 900     | 985     | 7.49   | cps   |
| Lithium    | 6-1   | 2561830 | 2564175 | 2552815 | 2559607 | 0.23   | cps   |
| Magnesium  | 24-2  | 275     | 217     | 208     | 233     | 15.57  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:06:17 | DataFile Name :   | 027CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD  | Units |
|------------|-------|---------|---------|---------|---------|---------|-------|
| Manganese  | 55-2  | 33      | 37      | 40      | 37      | 9.10    | cps   |
| Molybdenum | 94-1  | 275     | 250     | 333     | 286     | 14.95   | cps   |
| Molybdenum | 95-1  | 58      | 175     | 167     | 133     | 48.81   | cps   |
| Molybdenum | 96-1  | 250     | 300     | 225     | 258     | 14.78   | cps   |
| Molybdenum | 97-1  | 75      | 58      | 83      | 72      | 17.62   | cps   |
| Molybdenum | 98-1  | 167     | 200     | 233     | 200     | 16.67   | cps   |
| Neodymium  | 150-1 | 7       | 0       | 0       | 2       | 173.21  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00    | cps   |
| Nickel     | 60-2  | 50      | 20      | 27      | 32      | 48.88   | cps   |
| Phosphorus | 31-2  | 183     | 158     | 167     | 169     | 7.51    | cps   |
| Potassium  | 39-2  | 13665   | 13940   | 13682   | 13762   | 1.12    | cps   |
| Rhodium    | 103-1 | 6150676 | 6163743 | 6120737 | 6145052 | 0.36    | cps   |
| Rhodium    | 103-2 | 3093673 | 3114610 | 3111005 | 3106429 | 0.36    | cps   |
| Scandium   | 45-1  | 4332016 | 4362337 | 4303279 | 4332544 | 0.68    | cps   |
| Scandium   | 45-2  | 211335  | 211392  | 211980  | 211569  | 0.17    | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00    | cps   |
| Selenium   | 78-2  | 46      | 46      | 59      | 51      | 14.78   | cps   |
| Selenium   | 82-1  | 24      | -31     | -23     | -10     | -300.08 | cps   |
| Silicon    | 28-1  | 118676  | 119557  | 121164  | 119799  | 1.05    | cps   |
| Silver     | 109-1 | 92      | 83      | 67      | 81      | 15.80   | cps   |
| Silver     | 107-1 | 158     | 142     | 150     | 150     | 5.56    | cps   |
| Sodium     | 23-2  | 5443    | 5826    | 5218    | 5496    | 5.60    | cps   |
| Strontium  | 86-1  | 383     | 367     | 442     | 397     | 9.91    | cps   |
| Strontium  | 88-1  | 75      | 75      | 58      | 69      | 13.85   | cps   |
| Sulfur     | 34-1  | 263194  | 265160  | 265562  | 264639  | 0.48    | cps   |
| Terbium    | 159-1 | 9751113 | 9729282 | 9714257 | 9731551 | 0.19    | cps   |
| Terbium    | 159-2 | 5495959 | 5492311 | 5512596 | 5500289 | 0.20    | cps   |
| Thallium   | 203-1 | 275     | 242     | 275     | 264     | 7.29    | cps   |
| Thallium   | 205-1 | 650     | 608     | 633     | 631     | 3.33    | cps   |
| Thorium    | 232-1 | 394     | 478     | 444     | 439     | 9.56    | cps   |
| Tin        | 118-1 | 492     | 525     | 408     | 475     | 12.65   | cps   |
| Titanium   | 47-1  | 75      | 50      | 75      | 67      | 21.65   | cps   |
| Uranium    | 238-1 | 8       | 17      | 17      | 14      | 34.67   | cps   |
| Vanadium   | 51-2  | 0       | 0       | 3       | 1       | 173.21  | cps   |
| Yttrium    | 89-1  | 6980556 | 7011682 | 7018571 | 7003603 | 0.29    | cps   |
| Yttrium    | 89-2  | 1161940 | 1165646 | 1168507 | 1165364 | 0.28    | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:06:17 | DataFile Name :   | 027CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 103  | 193  | 133  | 143     | 31.97  | cps   |
| Zirconium | 90-1 | 625  | 558  | 558  | 581     | 6.63   | cps   |
| Zirconium | 91-1 | 125  | 108  | 150  | 128     | 16.41  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:09:53 | DataFile Name :   | 028LCS6.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 704904   | 705491   | 696534   | 702310   | 0.71   | cps   |
| Antimony   | 121-1 | 3234192  | 3205358  | 3208790  | 3216114  | 0.49   | cps   |
| Arsenic    | 75-1  | 657823   | 654882   | 648819   | 653841   | 0.70   | cps   |
| Barium     | 135-1 | 4230361  | 4267121  | 4242226  | 4246569  | 0.44   | cps   |
| Barium     | 137-1 | 7590698  | 7609301  | 7585832  | 7595277  | 0.16   | cps   |
| Beryllium  | 9-1   | 813544   | 808199   | 799140   | 806961   | 0.90   | cps   |
| Bismuth    | 209-1 | 6560399  | 6520311  | 6539345  | 6540018  | 0.31   | cps   |
| Bismuth    | 209-2 | 4165163  | 4212719  | 4205710  | 4194531  | 0.61   | cps   |
| Boron      | 10-1  | 121031   | 121476   | 123754   | 122087   | 1.20   | cps   |
| Boron      | 11-1  | 526373   | 532999   | 532251   | 530541   | 0.68   | cps   |
| Cadmium    | 111-1 | 897949   | 893670   | 891945   | 894521   | 0.35   | cps   |
| Cadmium    | 106-1 | 102956   | 102201   | 101226   | 102128   | 0.85   | cps   |
| Cadmium    | 108-1 | 67904    | 68779    | 66957    | 67880    | 1.34   | cps   |
| Calcium    | 43-1  | 1026041  | 1017366  | 1014165  | 1019191  | 0.60   | cps   |
| Calcium    | 44-1  | 16675865 | 16636702 | 16699877 | 16670815 | 0.19   | cps   |
| Chromium   | 52-2  | 951952   | 957751   | 947054   | 952253   | 0.56   | cps   |
| Cobalt     | 59-2  | 1481916  | 1492682  | 1474212  | 1482937  | 0.63   | cps   |
| Copper     | 63-2  | 1983639  | 1972050  | 1961621  | 1972437  | 0.56   | cps   |
| Dysprosium | 156-1 | 92       | 67       | 67       | 75       | 19.24  | cps   |
| Dysprosium | 156-2 | 77       | 133      | 93       | 101      | 28.80  | cps   |
| Erbium     | 164-1 | 17       | 8        | 42       | 22       | 78.07  | cps   |
| Erbium     | 164-2 | 23       | 50       | 20       | 31       | 52.86  | cps   |
| Gadolinium | 160-1 | 108      | 92       | 58       | 86       | 29.56  | cps   |
| Gadolinium | 160-2 | 170      | 203      | 143      | 172      | 17.45  | cps   |
| Holmium    | 165-1 | 9525211  | 9497098  | 9393827  | 9472045  | 0.73   | cps   |
| Holmium    | 165-2 | 5475724  | 5516344  | 5498949  | 5497006  | 0.37   | cps   |
| Indium     | 115-1 | 6394078  | 6383987  | 6337675  | 6371913  | 0.47   | cps   |
| Indium     | 115-2 | 1429948  | 1453334  | 1444519  | 1442600  | 0.82   | cps   |
| Iron       | 56-2  | 42271657 | 42108059 | 41946237 | 42108651 | 0.39   | cps   |
| Iron       | 57-2  | 1037984  | 1050820  | 1041134  | 1043313  | 0.64   | cps   |
| Krypton    | 83-1  | 277      | 273      | 290      | 280      | 3.15   | cps   |
| Lead       | 206-1 | 3175176  | 3194724  | 3157312  | 3175737  | 0.59   | cps   |
| Lead       | 207-1 | 2876360  | 2905130  | 2876628  | 2886039  | 0.57   | cps   |
| Lead       | 208-1 | 13087471 | 13202484 | 13072436 | 13120797 | 0.54   | cps   |
| Lithium    | 6-1   | 2397265  | 2390721  | 2366271  | 2384752  | 0.69   | cps   |
| Magnesium  | 24-2  | 8087919  | 8133142  | 8036993  | 8086018  | 0.59   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:09:53 | DataFile Name :   | 028LCS6.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1257715  | 1266337  | 1253571  | 1259208  | 0.52   | cps   |
| Molybdenum | 94-1  | 6502843  | 6496339  | 6447495  | 6482226  | 0.47   | cps   |
| Molybdenum | 95-1  | 7962307  | 7890464  | 7824932  | 7892568  | 0.87   | cps   |
| Molybdenum | 96-1  | 8846196  | 8768789  | 8715568  | 8776851  | 0.75   | cps   |
| Molybdenum | 97-1  | 4866520  | 4842737  | 4769880  | 4826379  | 1.04   | cps   |
| Molybdenum | 98-1  | 12660139 | 12627731 | 12569293 | 12619054 | 0.36   | cps   |
| Neodymium  | 150-1 | 500      | 520      | 413      | 478      | 11.87  | cps   |
| Neodymium  | 150-2 | 50       | 57       | 33       | 47       | 25.76  | cps   |
| Nickel     | 60-2  | 371267   | 373961   | 371158   | 372129   | 0.43   | cps   |
| Phosphorus | 31-2  | 37991    | 37791    | 37173    | 37651    | 1.13   | cps   |
| Potassium  | 39-2  | 3909450  | 3917090  | 3889457  | 3905332  | 0.37   | cps   |
| Rhodium    | 103-1 | 5587746  | 5465736  | 5356169  | 5469884  | 2.12   | cps   |
| Rhodium    | 103-2 | 2759586  | 2789691  | 2776873  | 2775384  | 0.54   | cps   |
| Scandium   | 45-1  | 4013323  | 4001300  | 3971122  | 3995248  | 0.54   | cps   |
| Scandium   | 45-2  | 189563   | 192463   | 190910   | 190979   | 0.76   | cps   |
| Selenium   | 77-2  | 3350     | 3477     | 3284     | 3370     | 2.91   | cps   |
| Selenium   | 78-2  | 11753    | 11642    | 11327    | 11574    | 1.91   | cps   |
| Selenium   | 82-1  | 66600    | 64639    | 65280    | 65506    | 1.53   | cps   |
| Silicon    | 28-1  | 2303564  | 2326487  | 2316065  | 2315372  | 0.50   | cps   |
| Silver     | 109-1 | 3813987  | 3796524  | 3800590  | 3803701  | 0.24   | cps   |
| Silver     | 107-1 | 3954774  | 3966678  | 3890966  | 3937473  | 1.03   | cps   |
| Sodium     | 23-2  | 15184990 | 15289539 | 15070010 | 15181513 | 0.72   | cps   |
| Strontium  | 86-1  | 1061775  | 1038896  | 1039123  | 1046598  | 1.26   | cps   |
| Strontium  | 88-1  | 9439572  | 9364288  | 9309282  | 9371047  | 0.70   | cps   |
| Sulfur     | 34-1  | 592194   | 586142   | 579548   | 585962   | 1.08   | cps   |
| Terbium    | 159-1 | 9670601  | 9696653  | 9618413  | 9661889  | 0.41   | cps   |
| Terbium    | 159-2 | 5326028  | 5367050  | 5347254  | 5346777  | 0.38   | cps   |
| Thallium   | 203-1 | 3909258  | 3912569  | 3889204  | 3903677  | 0.32   | cps   |
| Thallium   | 205-1 | 9609470  | 9614860  | 9640311  | 9621547  | 0.17   | cps   |
| Thorium    | 232-1 | 15642617 | 15576850 | 15717919 | 15645795 | 0.45   | cps   |
| Tin        | 118-1 | 2776803  | 2737177  | 2731981  | 2748654  | 0.89   | cps   |
| Titanium   | 47-1  | 2192296  | 2163184  | 2161039  | 2172173  | 0.80   | cps   |
| Uranium    | 238-1 | 15394583 | 15372902 | 15421496 | 15396327 | 0.16   | cps   |
| Vanadium   | 51-2  | 786248   | 793069   | 782852   | 787390   | 0.66   | cps   |
| Yttrium    | 89-1  | 6683512  | 6640373  | 6565406  | 6629764  | 0.90   | cps   |
| Yttrium    | 89-2  | 1067109  | 1075683  | 1077501  | 1073431  | 0.52   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB119879BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB119879BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:09:53 | DataFile Name :   | 028LCS6.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 341340  | 340653  | 339449  | 340480  | 0.28   | cps   |
| Zirconium | 90-1 | 5534841 | 5568644 | 5487139 | 5530208 | 0.74   | cps   |
| Zirconium | 91-1 | 1214306 | 1192841 | 1200189 | 1202445 | 0.91   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:13:29 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 125     | 150     | 167     | 147     | 14.24  | cps   |
| Antimony   | 121-1 | 3067    | 3059    | 3442    | 3189    | 6.87   | cps   |
| Arsenic    | 75-1  | 121     | -69     | 48      | 33      | 289.98 | cps   |
| Barium     | 135-1 | 842     | 742     | 858     | 814     | 7.75   | cps   |
| Barium     | 137-1 | 1550    | 1342    | 1267    | 1386    | 10.59  | cps   |
| Beryllium  | 9-1   | 183     | 193     | 177     | 184     | 4.55   | cps   |
| Bismuth    | 209-1 | 6358986 | 6430762 | 6455565 | 6415105 | 0.78   | cps   |
| Bismuth    | 209-2 | 4171457 | 4245782 | 4273601 | 4230280 | 1.25   | cps   |
| Boron      | 10-1  | 13882   | 13540   | 14274   | 13898   | 2.64   | cps   |
| Boron      | 11-1  | 62806   | 63216   | 62312   | 62778   | 0.72   | cps   |
| Cadmium    | 111-1 | 1872    | 1966    | 2046    | 1961    | 4.45   | cps   |
| Cadmium    | 106-1 | 2567    | 2642    | 2792    | 2667    | 4.30   | cps   |
| Cadmium    | 108-1 | 13      | 13      | 13      | 13      | 0.00   | cps   |
| Calcium    | 43-1  | 467216  | 468470  | 474940  | 470209  | 0.88   | cps   |
| Calcium    | 44-1  | 7629803 | 7692884 | 7765316 | 7696001 | 0.88   | cps   |
| Chromium   | 52-2  | 830     | 880     | 807     | 839     | 4.47   | cps   |
| Cobalt     | 59-2  | 100     | 110     | 110     | 107     | 5.41   | cps   |
| Copper     | 63-2  | 13113   | 12883   | 13243   | 13079   | 1.40   | cps   |
| Dysprosium | 156-1 | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 10      | 6       | 69.34  | cps   |
| Erbium     | 164-1 | 42      | 0       | 0       | 14      | 173.21 | cps   |
| Erbium     | 164-2 | 23      | 3       | 10      | 12      | 83.33  | cps   |
| Gadolinium | 160-1 | 33      | 8       | 17      | 19      | 65.47  | cps   |
| Gadolinium | 160-2 | 150     | 123     | 137     | 137     | 9.75   | cps   |
| Holmium    | 165-1 | 8950618 | 9099998 | 9092270 | 9047629 | 0.93   | cps   |
| Holmium    | 165-2 | 5304186 | 5354019 | 5443900 | 5367368 | 1.32   | cps   |
| Indium     | 115-1 | 6241947 | 6351160 | 6370191 | 6321099 | 1.09   | cps   |
| Indium     | 115-2 | 1478357 | 1502892 | 1511743 | 1497664 | 1.15   | cps   |
| Iron       | 56-2  | 6079    | 6602    | 6001    | 6227    | 5.24   | cps   |
| Iron       | 57-2  | 3478    | 3362    | 3228    | 3356    | 3.73   | cps   |
| Krypton    | 83-1  | 243     | 177     | 267     | 229     | 20.41  | cps   |
| Lead       | 206-1 | 1172    | 1061    | 1200    | 1145    | 6.42   | cps   |
| Lead       | 207-1 | 922     | 1095    | 1067    | 1028    | 9.00   | cps   |
| Lead       | 208-1 | 4650    | 4478    | 4373    | 4500    | 3.12   | cps   |
| Lithium    | 6-1   | 2307715 | 2341951 | 2361995 | 2337220 | 1.17   | cps   |
| Magnesium  | 24-2  | 389962  | 388814  | 391504  | 390093  | 0.35   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:13:29 | DataFile Name :   | 029SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 257     | 217     | 250     | 241     | 8.89   | cps   |
| Molybdenum | 94-1  | 1992    | 1992    | 1717    | 1900    | 8.36   | cps   |
| Molybdenum | 95-1  | 2759    | 2217    | 1850    | 2275    | 20.09  | cps   |
| Molybdenum | 96-1  | 2834    | 2492    | 2167    | 2498    | 13.35  | cps   |
| Molybdenum | 97-1  | 1767    | 1542    | 1442    | 1583    | 10.51  | cps   |
| Molybdenum | 98-1  | 4167    | 3726    | 3326    | 3740    | 11.26  | cps   |
| Neodymium  | 150-1 | 0       | 7       | 7       | 4       | 86.60  | cps   |
| Neodymium  | 150-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 83      | 93      | 113     | 97      | 15.80  | cps   |
| Phosphorus | 31-2  | 225     | 250     | 233     | 236     | 5.39   | cps   |
| Potassium  | 39-2  | 82823   | 84222   | 84012   | 83686   | 0.90   | cps   |
| Rhodium    | 103-1 | 5398931 | 5625875 | 5659385 | 5561397 | 2.55   | cps   |
| Rhodium    | 103-2 | 2854148 | 2908478 | 2917933 | 2893520 | 1.19   | cps   |
| Scandium   | 45-1  | 3874354 | 3935244 | 3939433 | 3916344 | 0.93   | cps   |
| Scandium   | 45-2  | 191021  | 194512  | 196890  | 194141  | 1.52   | cps   |
| Selenium   | 77-2  | 10      | 0       | 7       | 6       | 91.64  | cps   |
| Selenium   | 78-2  | 46      | 44      | 57      | 49      | 14.20  | cps   |
| Selenium   | 82-1  | 102     | 220     | 107     | 143     | 46.32  | cps   |
| Silicon    | 28-1  | 202031  | 205367  | 206313  | 204570  | 1.10   | cps   |
| Silver     | 109-1 | 550     | 325     | 400     | 425     | 26.96  | cps   |
| Silver     | 107-1 | 542     | 400     | 358     | 433     | 22.18  | cps   |
| Sodium     | 23-2  | 2664054 | 2663597 | 2679327 | 2668992 | 0.34   | cps   |
| Strontium  | 86-1  | 10846   | 11305   | 11563   | 11238   | 3.23   | cps   |
| Strontium  | 88-1  | 95601   | 98110   | 98588   | 97433   | 1.65   | cps   |
| Sulfur     | 34-1  | 388931  | 390719  | 394973  | 391541  | 0.79   | cps   |
| Terbium    | 159-1 | 9177652 | 9329177 | 9303337 | 9270055 | 0.87   | cps   |
| Terbium    | 159-2 | 5206772 | 5269788 | 5327712 | 5268091 | 1.15   | cps   |
| Thallium   | 203-1 | 917     | 883     | 717     | 839     | 12.77  | cps   |
| Thallium   | 205-1 | 2259    | 2209    | 1875    | 2114    | 9.86   | cps   |
| Thorium    | 232-1 | 6769    | 5701    | 5590    | 6020    | 10.81  | cps   |
| Tin        | 118-1 | 2434    | 2017    | 1934    | 2128    | 12.59  | cps   |
| Titanium   | 47-1  | 26638   | 26526   | 29831   | 27665   | 6.78   | cps   |
| Uranium    | 238-1 | 1375    | 1083    | 842     | 1100    | 24.28  | cps   |
| Vanadium   | 51-2  | 60      | 90      | 103     | 84      | 26.29  | cps   |
| Yttrium    | 89-1  | 6407337 | 6513743 | 6576443 | 6499174 | 1.32   | cps   |
| Yttrium    | 89-2  | 1074108 | 1100993 | 1102817 | 1092639 | 1.47   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:13:29 | DataFile Name :   | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 3671 | 3731 | 3590 | 3664    | 1.92   | cps   |
| Zirconium | 90-1 | 1942 | 1975 | 1725 | 1881    | 7.22   | cps   |
| Zirconium | 91-1 | 442  | 442  | 458  | 447     | 2.15   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:17:05 | DataFile Name :   | 030LLCC.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 1500    | 1742    | 1600    | 1614    | 7.52   | cps   |
| Antimony   | 121-1 | 13832   | 13440   | 13499   | 13590   | 1.56   | cps   |
| Arsenic    | 75-1  | 1015    | 899     | 1187    | 1034    | 14.00  | cps   |
| Barium     | 135-1 | 18655   | 18647   | 17854   | 18385   | 2.50   | cps   |
| Barium     | 137-1 | 31862   | 32523   | 31988   | 32124   | 1.09   | cps   |
| Beryllium  | 9-1   | 1797    | 1923    | 1870    | 1863    | 3.41   | cps   |
| Bismuth    | 209-1 | 7190464 | 7075409 | 7136445 | 7134106 | 0.81   | cps   |
| Bismuth    | 209-2 | 4643091 | 4610680 | 4632189 | 4628653 | 0.36   | cps   |
| Boron      | 10-1  | 8044    | 8294    | 8328    | 8222    | 1.88   | cps   |
| Boron      | 11-1  | 37088   | 36228   | 36445   | 36587   | 1.22   | cps   |
| Cadmium    | 111-1 | 4969    | 4940    | 5121    | 5010    | 1.94   | cps   |
| Cadmium    | 106-1 | 2950    | 3351    | 3167    | 3156    | 6.35   | cps   |
| Cadmium    | 108-1 | 163     | 217     | 150     | 176     | 20.09  | cps   |
| Calcium    | 43-1  | 10796   | 10754   | 10863   | 10804   | 0.51   | cps   |
| Calcium    | 44-1  | 179882  | 179703  | 175857  | 178481  | 1.27   | cps   |
| Chromium   | 52-2  | 4431    | 4614    | 4527    | 4524    | 2.03   | cps   |
| Cobalt     | 59-2  | 2974    | 3397    | 3207    | 3193    | 6.64   | cps   |
| Copper     | 63-2  | 4838    | 5161    | 4727    | 4909    | 4.59   | cps   |
| Dysprosium | 156-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 7       | 13      | 7       | 99.98  | cps   |
| Erbium     | 164-1 | 0       | 42      | 17      | 19      | 107.85 | cps   |
| Erbium     | 164-2 | 0       | 23      | 17      | 13      | 90.13  | cps   |
| Gadolinium | 160-1 | 67      | 42      | 42      | 50      | 28.87  | cps   |
| Gadolinium | 160-2 | 123     | 190     | 170     | 161     | 21.23  | cps   |
| Holmium    | 165-1 | 9976505 | 9874868 | 9856398 | 9902590 | 0.65   | cps   |
| Holmium    | 165-2 | 5787320 | 5864392 | 5770367 | 5807360 | 0.86   | cps   |
| Indium     | 115-1 | 7040218 | 6961020 | 6989542 | 6996927 | 0.57   | cps   |
| Indium     | 115-2 | 1613197 | 1597704 | 1608722 | 1606541 | 0.50   | cps   |
| Iron       | 56-2  | 99065   | 100537  | 98954   | 99518   | 0.89   | cps   |
| Iron       | 57-2  | 2573    | 2628    | 2389    | 2530    | 4.94   | cps   |
| Krypton    | 83-1  | 273     | 240     | 203     | 239     | 14.66  | cps   |
| Lead       | 206-1 | 7219    | 7208    | 6891    | 7106    | 2.62   | cps   |
| Lead       | 207-1 | 6302    | 5885    | 6268    | 6152    | 3.77   | cps   |
| Lead       | 208-1 | 28396   | 28101   | 27690   | 28062   | 1.26   | cps   |
| Lithium    | 6-1   | 2583125 | 2549260 | 2542987 | 2558457 | 0.84   | cps   |
| Magnesium  | 24-2  | 87656   | 87723   | 86658   | 87346   | 0.68   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:17:05 | DataFile Name :   | 030LLCC.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1323     | 1540     | 1587     | 1483     | 9.47   | cps   |
| Molybdenum | 94-1  | 14108    | 14908    | 14399    | 14472    | 2.80   | cps   |
| Molybdenum | 95-1  | 18054    | 17194    | 18212    | 17820    | 3.07   | cps   |
| Molybdenum | 96-1  | 21200    | 20023    | 19906    | 20376    | 3.51   | cps   |
| Molybdenum | 97-1  | 11722    | 11155    | 11322    | 11399    | 2.56   | cps   |
| Molybdenum | 98-1  | 29131    | 28129    | 29156    | 28805    | 2.03   | cps   |
| Neodymium  | 150-1 | 0        | 0        | 7        | 2        | 173.21 | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 970      | 1000     | 897      | 956      | 5.56   | cps   |
| Phosphorus | 31-2  | 425      | 358      | 283      | 356      | 19.93  | cps   |
| Potassium  | 39-2  | 97361    | 94584    | 96144    | 96030    | 1.45   | cps   |
| Rhodium    | 103-1 | 6283092  | 6169390  | 6190560  | 6214347  | 0.97   | cps   |
| Rhodium    | 103-2 | 3143950  | 3135558  | 3144292  | 3141267  | 0.16   | cps   |
| Scandium   | 45-1  | 4316367  | 4290467  | 4287380  | 4298071  | 0.37   | cps   |
| Scandium   | 45-2  | 208789   | 208427   | 208042   | 208419   | 0.18   | cps   |
| Selenium   | 77-2  | 40       | 60       | 57       | 52       | 20.52  | cps   |
| Selenium   | 78-2  | 204      | 174      | 176      | 185      | 8.99   | cps   |
| Selenium   | 82-1  | 849      | 846      | 909      | 868      | 4.08   | cps   |
| Silicon    | 28-1  | 155063   | 150870   | 152537   | 152823   | 1.38   | cps   |
| Silver     | 109-1 | 1375     | 1242     | 1292     | 1303     | 5.17   | cps   |
| Silver     | 107-1 | 1400     | 1433     | 1550     | 1461     | 5.39   | cps   |
| Sodium     | 23-2  | 165342   | 163987   | 162850   | 164060   | 0.76   | cps   |
| Strontium  | 86-1  | 2717     | 2967     | 2667     | 2784     | 5.78   | cps   |
| Strontium  | 88-1  | 19614    | 19472    | 19472    | 19519    | 0.42   | cps   |
| Sulfur     | 34-1  | 244839   | 243303   | 241188   | 243110   | 0.75   | cps   |
| Terbium    | 159-1 | 10264743 | 10162402 | 10092338 | 10173161 | 0.85   | cps   |
| Terbium    | 159-2 | 5792777  | 5645127  | 5671430  | 5703111  | 1.38   | cps   |
| Thallium   | 203-1 | 8411     | 8745     | 8411     | 8523     | 2.26   | cps   |
| Thallium   | 205-1 | 19315    | 19256    | 20834    | 19802    | 4.52   | cps   |
| Thorium    | 232-1 | 30887    | 30625    | 29551    | 30354    | 2.33   | cps   |
| Tin        | 118-1 | 31344    | 29348    | 30141    | 30278    | 3.32   | cps   |
| Titanium   | 47-1  | 4918     | 5360     | 4634     | 4971     | 7.35   | cps   |
| Uranium    | 238-1 | 29961    | 29794    | 29443    | 29732    | 0.89   | cps   |
| Vanadium   | 51-2  | 9216     | 8766     | 8473     | 8818     | 4.25   | cps   |
| Yttrium    | 89-1  | 7202148  | 7117112  | 7094377  | 7137879  | 0.80   | cps   |
| Yttrium    | 89-2  | 1175159  | 1176446  | 1167087  | 1172897  | 0.43   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:17:05 | DataFile Name :   | 030LLCC.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 887   | 903   | 970   | 920     | 4.79   | cps   |
| Zirconium | 90-1 | 11422 | 11222 | 11880 | 11508   | 2.94   | cps   |
| Zirconium | 91-1 | 2367  | 2575  | 2784  | 2575    | 8.09   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042DUP        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:21:59 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD  | Units |
|------------|-------|---------|---------|---------|---------|---------|-------|
| Aluminium  | 27-2  | 100     | 100     | 58      | 86      | 27.93   | cps   |
| Antimony   | 121-1 | 575     | 550     | 500     | 542     | 7.05    | cps   |
| Arsenic    | 75-1  | -29     | -33     | 27      | -12     | -290.66 | cps   |
| Barium     | 135-1 | 675     | 583     | 508     | 589     | 14.17   | cps   |
| Barium     | 137-1 | 1033    | 1150    | 925     | 1036    | 10.86   | cps   |
| Beryllium  | 9-1   | 83      | 77      | 107     | 89      | 17.72   | cps   |
| Bismuth    | 209-1 | 6388166 | 6405714 | 6444229 | 6412703 | 0.45    | cps   |
| Bismuth    | 209-2 | 4179292 | 4257529 | 4224289 | 4220370 | 0.93    | cps   |
| Boron      | 10-1  | 10329   | 11079   | 11580   | 10996   | 5.73    | cps   |
| Boron      | 11-1  | 49449   | 50636   | 51271   | 50452   | 1.83    | cps   |
| Cadmium    | 111-1 | 2119    | 1952    | 1952    | 2008    | 4.81    | cps   |
| Cadmium    | 106-1 | 3000    | 2775    | 2759    | 2845    | 4.75    | cps   |
| Cadmium    | 108-1 | 21      | 17      | 0       | 13      | 88.19   | cps   |
| Calcium    | 43-1  | 463520  | 464605  | 467566  | 465230  | 0.45    | cps   |
| Calcium    | 44-1  | 7559901 | 7597268 | 7752833 | 7636667 | 1.34    | cps   |
| Chromium   | 52-2  | 820     | 920     | 930     | 890     | 6.83    | cps   |
| Cobalt     | 59-2  | 67      | 80      | 90      | 79      | 14.84   | cps   |
| Copper     | 63-2  | 12666   | 12806   | 12769   | 12747   | 0.57    | cps   |
| Dysprosium | 156-1 | 25      | 0       | 8       | 11      | 114.58  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 7       | 2       | 173.21  | cps   |
| Erbium     | 164-1 | 8       | 33      | 25      | 22      | 57.30   | cps   |
| Erbium     | 164-2 | 17      | 23      | 13      | 18      | 28.64   | cps   |
| Gadolinium | 160-1 | 108     | 25      | 25      | 53      | 91.16   | cps   |
| Gadolinium | 160-2 | 167     | 193     | 207     | 189     | 10.78   | cps   |
| Holmium    | 165-1 | 9072831 | 9073649 | 9188435 | 9111638 | 0.73    | cps   |
| Holmium    | 165-2 | 5365015 | 5402644 | 5403799 | 5390486 | 0.41    | cps   |
| Indium     | 115-1 | 6351870 | 6337658 | 6435594 | 6375041 | 0.83    | cps   |
| Indium     | 115-2 | 1481935 | 1507115 | 1501680 | 1496910 | 0.89    | cps   |
| Iron       | 56-2  | 5107    | 5257    | 4884    | 5083    | 3.69    | cps   |
| Iron       | 57-2  | 2856    | 3445    | 3362    | 3221    | 9.90    | cps   |
| Krypton    | 83-1  | 250     | 273     | 233     | 252     | 7.97    | cps   |
| Lead       | 206-1 | 833     | 856     | 761     | 817     | 6.05    | cps   |
| Lead       | 207-1 | 783     | 744     | 783     | 770     | 2.91    | cps   |
| Lead       | 208-1 | 3539    | 3500    | 3373    | 3471    | 2.51    | cps   |
| Lithium    | 6-1   | 2364320 | 2376905 | 2384955 | 2375394 | 0.44    | cps   |
| Magnesium  | 24-2  | 381540  | 389800  | 387258  | 386199  | 1.10    | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042DUP        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:21:59 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 160     | 153     | 143     | 152     | 5.51   | cps   |
| Molybdenum | 94-1  | 650     | 642     | 750     | 681     | 8.86   | cps   |
| Molybdenum | 95-1  | 233     | 267     | 217     | 239     | 10.66  | cps   |
| Molybdenum | 96-1  | 442     | 408     | 292     | 381     | 20.70  | cps   |
| Molybdenum | 97-1  | 192     | 183     | 108     | 161     | 28.49  | cps   |
| Molybdenum | 98-1  | 333     | 308     | 425     | 356     | 17.28  | cps   |
| Neodymium  | 150-1 | 0       | 13      | 0       | 4       | 173.21 | cps   |
| Neodymium  | 150-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 117     | 103     | 100     | 107     | 8.27   | cps   |
| Phosphorus | 31-2  | 183     | 133     | 150     | 156     | 16.37  | cps   |
| Potassium  | 39-2  | 80887   | 82019   | 84785   | 82564   | 2.43   | cps   |
| Rhodium    | 103-1 | 5611065 | 5635915 | 5684250 | 5643743 | 0.66   | cps   |
| Rhodium    | 103-2 | 2846445 | 2895575 | 2888517 | 2876846 | 0.92   | cps   |
| Scandium   | 45-1  | 3948957 | 3926799 | 3987651 | 3954469 | 0.78   | cps   |
| Scandium   | 45-2  | 193290  | 194467  | 194340  | 194033  | 0.33   | cps   |
| Selenium   | 77-2  | 7       | 3       | 13      | 8       | 65.47  | cps   |
| Selenium   | 78-2  | 57      | 41      | 65      | 54      | 22.70  | cps   |
| Selenium   | 82-1  | 110     | 117     | 120     | 116     | 4.09   | cps   |
| Silicon    | 28-1  | 185832  | 187578  | 192203  | 188537  | 1.75   | cps   |
| Silver     | 109-1 | 58      | 58      | 117     | 78      | 43.30  | cps   |
| Silver     | 107-1 | 217     | 142     | 75      | 144     | 49.07  | cps   |
| Sodium     | 23-2  | 2646192 | 2672427 | 2657718 | 2658779 | 0.49   | cps   |
| Strontium  | 86-1  | 10821   | 11113   | 11497   | 11144   | 3.04   | cps   |
| Strontium  | 88-1  | 97077   | 94762   | 95316   | 95718   | 1.26   | cps   |
| Sulfur     | 34-1  | 395509  | 403167  | 405768  | 401481  | 1.33   | cps   |
| Terbium    | 159-1 | 9283525 | 9314745 | 9396244 | 9331505 | 0.62   | cps   |
| Terbium    | 159-2 | 5247322 | 5331868 | 5314827 | 5298006 | 0.84   | cps   |
| Thallium   | 203-1 | 267     | 200     | 283     | 250     | 17.64  | cps   |
| Thallium   | 205-1 | 558     | 442     | 600     | 533     | 15.39  | cps   |
| Thorium    | 232-1 | 3000    | 2845    | 2650    | 2832    | 6.19   | cps   |
| Tin        | 118-1 | 1208    | 1275    | 1317    | 1267    | 4.31   | cps   |
| Titanium   | 47-1  | 23821   | 35708   | 26290   | 28606   | 21.93  | cps   |
| Uranium    | 238-1 | 233     | 175     | 200     | 203     | 14.43  | cps   |
| Vanadium   | 51-2  | 60      | 67      | 53      | 60      | 11.12  | cps   |
| Yttrium    | 89-1  | 6490644 | 6523495 | 6572450 | 6528863 | 0.63   | cps   |
| Yttrium    | 89-2  | 1078333 | 1102414 | 1098082 | 1092943 | 1.17   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042DUP        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:21:59 | DataFile Name :   | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 2934 | 2760 | 2924 | 2873    | 3.39   | cps   |
| Zirconium | 90-1 | 1533 | 1625 | 1533 | 1564    | 3.39   | cps   |
| Zirconium | 91-1 | 442  | 317  | 408  | 389     | 16.64  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042L          | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-05-20 13:25:36 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 25      | 58      | 8       | 31      | 83.33  | cps   |
| Antimony   | 121-1 | 183     | 192     | 192     | 189     | 2.55   | cps   |
| Arsenic    | 75-1  | -205    | -35     | -146    | -128    | -67.21 | cps   |
| Barium     | 135-1 | 192     | 142     | 175     | 169     | 15.03  | cps   |
| Barium     | 137-1 | 300     | 208     | 242     | 250     | 18.56  | cps   |
| Beryllium  | 9-1   | 100     | 93      | 133     | 109     | 19.68  | cps   |
| Bismuth    | 209-1 | 6708447 | 6579099 | 6496804 | 6594783 | 1.62   | cps   |
| Bismuth    | 209-2 | 4188797 | 4305477 | 4319687 | 4271320 | 1.68   | cps   |
| Boron      | 10-1  | 3309    | 3817    | 3359    | 3495    | 8.02   | cps   |
| Boron      | 11-1  | 15417   | 15508   | 15175   | 15367   | 1.12   | cps   |
| Cadmium    | 111-1 | 2033    | 2095    | 1986    | 2038    | 2.69   | cps   |
| Cadmium    | 106-1 | 2900    | 2967    | 2825    | 2898    | 2.45   | cps   |
| Cadmium    | 108-1 | 8       | 4       | 13      | 8       | 49.98  | cps   |
| Calcium    | 43-1  | 99106   | 98351   | 97998   | 98485   | 0.57   | cps   |
| Calcium    | 44-1  | 1615864 | 1613542 | 1611439 | 1613615 | 0.14   | cps   |
| Chromium   | 52-2  | 520     | 510     | 487     | 506     | 3.38   | cps   |
| Cobalt     | 59-2  | 53      | 53      | 43      | 50      | 11.55  | cps   |
| Copper     | 63-2  | 2917    | 2897    | 2777    | 2864    | 2.64   | cps   |
| Dysprosium | 156-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 3       | 3       | 3       | 3       | 0.00   | cps   |
| Erbium     | 164-1 | 8       | 17      | 42      | 22      | 78.07  | cps   |
| Erbium     | 164-2 | 17      | 13      | 17      | 16      | 12.40  | cps   |
| Gadolinium | 160-1 | 42      | 42      | 75      | 53      | 36.46  | cps   |
| Gadolinium | 160-2 | 163     | 117     | 153     | 144     | 17.01  | cps   |
| Holmium    | 165-1 | 9359759 | 9191404 | 9137902 | 9229688 | 1.25   | cps   |
| Holmium    | 165-2 | 5261145 | 5411223 | 5426179 | 5366182 | 1.70   | cps   |
| Indium     | 115-1 | 6582827 | 6391697 | 6412440 | 6462321 | 1.62   | cps   |
| Indium     | 115-2 | 1464896 | 1512261 | 1520495 | 1499217 | 2.00   | cps   |
| Iron       | 56-2  | 3167    | 3367    | 3128    | 3221    | 3.98   | cps   |
| Iron       | 57-2  | 656     | 667     | 761     | 694     | 8.35   | cps   |
| Krypton    | 83-1  | 203     | 237     | 223     | 221     | 7.59   | cps   |
| Lead       | 206-1 | 428     | 467     | 428     | 441     | 5.09   | cps   |
| Lead       | 207-1 | 311     | 311     | 311     | 311     | 0.00   | cps   |
| Lead       | 208-1 | 1550    | 1556    | 1545    | 1550    | 0.36   | cps   |
| Lithium    | 6-1   | 2427029 | 2370801 | 2365091 | 2387640 | 1.43   | cps   |
| Magnesium  | 24-2  | 82602   | 81405   | 82854   | 82287   | 0.94   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042L          | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-05-20 13:25:36 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 60      | 77      | 57      | 64      | 16.63  | cps   |
| Molybdenum | 94-1  | 425     | 392     | 292     | 369     | 18.78  | cps   |
| Molybdenum | 95-1  | 133     | 158     | 183     | 158     | 15.79  | cps   |
| Molybdenum | 96-1  | 208     | 225     | 192     | 208     | 8.00   | cps   |
| Molybdenum | 97-1  | 100     | 142     | 142     | 128     | 18.82  | cps   |
| Molybdenum | 98-1  | 350     | 233     | 250     | 278     | 22.72  | cps   |
| Neodymium  | 150-1 | 0       | 13      | 0       | 4       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 33      | 40      | 37      | 37      | 9.10   | cps   |
| Phosphorus | 31-2  | 200     | 200     | 108     | 169     | 31.23  | cps   |
| Potassium  | 39-2  | 26959   | 27226   | 27301   | 27162   | 0.66   | cps   |
| Rhodium    | 103-1 | 5857486 | 5683877 | 5665005 | 5735456 | 1.85   | cps   |
| Rhodium    | 103-2 | 2862071 | 2941486 | 2937193 | 2913583 | 1.53   | cps   |
| Scandium   | 45-1  | 4048097 | 3958223 | 3927311 | 3977877 | 1.58   | cps   |
| Scandium   | 45-2  | 191078  | 196940  | 195420  | 194479  | 1.56   | cps   |
| Selenium   | 77-2  | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Selenium   | 78-2  | 39      | 43      | 44      | 42      | 6.73   | cps   |
| Selenium   | 82-1  | 93      | 45      | 45      | 61      | 45.84  | cps   |
| Silicon    | 28-1  | 130590  | 127170  | 129028  | 128929  | 1.33   | cps   |
| Silver     | 109-1 | 67      | 75      | 25      | 56      | 48.22  | cps   |
| Silver     | 107-1 | 83      | 83      | 117     | 94      | 20.37  | cps   |
| Sodium     | 23-2  | 564575  | 560818  | 560351  | 561915  | 0.41   | cps   |
| Strontium  | 86-1  | 2800    | 2767    | 2767    | 2778    | 0.69   | cps   |
| Strontium  | 88-1  | 20524   | 19864   | 20198   | 20195   | 1.63   | cps   |
| Sulfur     | 34-1  | 283822  | 281544  | 280212  | 281859  | 0.65   | cps   |
| Terbium    | 159-1 | 9587297 | 9371886 | 9343887 | 9434356 | 1.41   | cps   |
| Terbium    | 159-2 | 5171312 | 5360099 | 5332067 | 5287826 | 1.93   | cps   |
| Thallium   | 203-1 | 200     | 192     | 200     | 197     | 2.44   | cps   |
| Thallium   | 205-1 | 358     | 500     | 433     | 431     | 16.46  | cps   |
| Thorium    | 232-1 | 1245    | 1045    | 1061    | 1117    | 9.94   | cps   |
| Tin        | 118-1 | 625     | 492     | 600     | 572     | 12.39  | cps   |
| Titanium   | 47-1  | 5109    | 6305    | 10482   | 7299    | 38.65  | cps   |
| Uranium    | 238-1 | 67      | 83      | 50      | 67      | 25.00  | cps   |
| Vanadium   | 51-2  | 13      | 7       | 17      | 12      | 41.65  | cps   |
| Yttrium    | 89-1  | 6705244 | 6522889 | 6526067 | 6584733 | 1.59   | cps   |
| Yttrium    | 89-2  | 1070094 | 1101030 | 1105633 | 1092252 | 1.77   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042L          | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-05-20 13:25:36 | DataFile Name :   | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 770  | 580  | 760  | 703     | 15.20  | cps   |
| Zirconium | 90-1 | 675  | 833  | 717  | 742     | 11.07  | cps   |
| Zirconium | 91-1 | 183  | 142  | 150  | 158     | 13.92  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MS         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:29:12 | DataFile Name :   | 033SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 135357   | 134517   | 137678   | 135851   | 1.21   | cps   |
| Antimony   | 121-1 | 4933847  | 4968581  | 4970195  | 4957541  | 0.41   | cps   |
| Arsenic    | 75-1  | 982377   | 966397   | 981303   | 976692   | 0.91   | cps   |
| Barium     | 135-1 | 348213   | 347946   | 347840   | 348000   | 0.06   | cps   |
| Barium     | 137-1 | 607311   | 607265   | 616852   | 610476   | 0.90   | cps   |
| Beryllium  | 9-1   | 320462   | 319510   | 321794   | 320589   | 0.36   | cps   |
| Bismuth    | 209-1 | 6296955  | 6324051  | 6371410  | 6330805  | 0.60   | cps   |
| Bismuth    | 209-2 | 4131467  | 4174618  | 4165871  | 4157318  | 0.55   | cps   |
| Boron      | 10-1  | 83127    | 86422    | 85676    | 85075    | 2.03   | cps   |
| Boron      | 11-1  | 367287   | 373576   | 378059   | 372974   | 1.45   | cps   |
| Cadmium    | 111-1 | 353841   | 357649   | 355333   | 355608   | 0.54   | cps   |
| Cadmium    | 106-1 | 32706    | 34409    | 34819    | 33978    | 3.30   | cps   |
| Cadmium    | 108-1 | 23950    | 23278    | 23804    | 23677    | 1.49   | cps   |
| Calcium    | 43-1  | 448083   | 451385   | 452138   | 450535   | 0.48   | cps   |
| Calcium    | 44-1  | 7370278  | 7383861  | 7443336  | 7399158  | 0.53   | cps   |
| Chromium   | 52-2  | 766851   | 768405   | 766767   | 767341   | 0.12   | cps   |
| Cobalt     | 59-2  | 599236   | 600289   | 603847   | 601124   | 0.40   | cps   |
| Copper     | 63-2  | 627076   | 626868   | 626346   | 626763   | 0.06   | cps   |
| Dysprosium | 156-1 | 427587   | 422093   | 429735   | 426472   | 0.92   | cps   |
| Dysprosium | 156-2 | 151615   | 152024   | 153839   | 152493   | 0.78   | cps   |
| Erbium     | 164-1 | 75       | 75       | 17       | 56       | 60.62  | cps   |
| Erbium     | 164-2 | 20       | 33       | 47       | 33       | 40.01  | cps   |
| Gadolinium | 160-1 | 108      | 183      | 183      | 158      | 27.35  | cps   |
| Gadolinium | 160-2 | 200      | 203      | 213      | 206      | 3.38   | cps   |
| Holmium    | 165-1 | 8931425  | 8939742  | 8916855  | 8929341  | 0.13   | cps   |
| Holmium    | 165-2 | 5245331  | 5262620  | 5255767  | 5254573  | 0.17   | cps   |
| Indium     | 115-1 | 6012619  | 6031546  | 6080036  | 6041400  | 0.58   | cps   |
| Indium     | 115-2 | 1386646  | 1401801  | 1421676  | 1403374  | 1.25   | cps   |
| Iron       | 56-2  | 5110740  | 5122732  | 5126592  | 5120021  | 0.16   | cps   |
| Iron       | 57-2  | 129443   | 130682   | 130288   | 130138   | 0.49   | cps   |
| Krypton    | 83-1  | 197      | 217      | 277      | 230      | 18.10  | cps   |
| Lead       | 206-1 | 6664979  | 6690317  | 6734629  | 6696642  | 0.53   | cps   |
| Lead       | 207-1 | 5774696  | 5753635  | 5996849  | 5841727  | 2.31   | cps   |
| Lead       | 208-1 | 26735703 | 26796898 | 27308760 | 26947120 | 1.17   | cps   |
| Lithium    | 6-1   | 2246710  | 2242851  | 2250372  | 2246644  | 0.17   | cps   |
| Magnesium  | 24-2  | 671388   | 671275   | 673918   | 672194   | 0.22   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MS         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:29:12 | DataFile Name :   | 033SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 247192   | 250379   | 251209   | 249593   | 0.85   | cps   |
| Molybdenum | 94-1  | 679947   | 677643   | 691915   | 683169   | 1.12   | cps   |
| Molybdenum | 95-1  | 1195874  | 1205107  | 1203964  | 1201648  | 0.42   | cps   |
| Molybdenum | 96-1  | 1279913  | 1280937  | 1304877  | 1288576  | 1.10   | cps   |
| Molybdenum | 97-1  | 750500   | 754976   | 754361   | 753279   | 0.32   | cps   |
| Molybdenum | 98-1  | 1941260  | 1946223  | 1959032  | 1948838  | 0.47   | cps   |
| Neodymium  | 150-1 | 33       | 47       | 60       | 47       | 28.58  | cps   |
| Neodymium  | 150-2 | 10       | 3        | 10       | 8        | 49.52  | cps   |
| Nickel     | 60-2  | 377357   | 385313   | 379103   | 380591   | 1.10   | cps   |
| Phosphorus | 31-2  | 22510    | 21675    | 22134    | 22106    | 1.89   | cps   |
| Potassium  | 39-2  | 1626815  | 1628617  | 1640563  | 1631998  | 0.46   | cps   |
| Rhodium    | 103-1 | 5283903  | 5231991  | 5249482  | 5255125  | 0.50   | cps   |
| Rhodium    | 103-2 | 2708780  | 2717625  | 2733958  | 2720121  | 0.47   | cps   |
| Scandium   | 45-1  | 3746712  | 3708373  | 3708157  | 3721081  | 0.60   | cps   |
| Scandium   | 45-2  | 181882   | 183946   | 180977   | 182268   | 0.83   | cps   |
| Selenium   | 77-2  | 13486    | 13553    | 13410    | 13483    | 0.53   | cps   |
| Selenium   | 78-2  | 45378    | 45685    | 45250    | 45438    | 0.49   | cps   |
| Selenium   | 82-1  | 254813   | 251506   | 254813   | 253711   | 0.75   | cps   |
| Silicon    | 28-1  | 4305110  | 4324202  | 4369438  | 4332916  | 0.76   | cps   |
| Silver     | 109-1 | 580704   | 572363   | 578766   | 577278   | 0.76   | cps   |
| Silver     | 107-1 | 594611   | 596614   | 597955   | 596393   | 0.28   | cps   |
| Sodium     | 23-2  | 3328772  | 3337123  | 3345654  | 3337183  | 0.25   | cps   |
| Strontium  | 86-1  | 428415   | 421477   | 425539   | 425143   | 0.82   | cps   |
| Strontium  | 88-1  | 3733259  | 3716424  | 3745274  | 3731652  | 0.39   | cps   |
| Sulfur     | 34-1  | 353540   | 347989   | 343009   | 348179   | 1.51   | cps   |
| Terbium    | 159-1 | 9122433  | 9072027  | 9232203  | 9142221  | 0.90   | cps   |
| Terbium    | 159-2 | 5119477  | 5216443  | 5210302  | 5182074  | 1.05   | cps   |
| Thallium   | 203-1 | 16373876 | 16303750 | 16387909 | 16355178 | 0.28   | cps   |
| Thallium   | 205-1 | 39493428 | 39293235 | 39465813 | 39417492 | 0.28   | cps   |
| Thorium    | 232-1 | 2128     | 1984     | 1984     | 2032     | 4.11   | cps   |
| Tin        | 118-1 | 3724214  | 3752136  | 3771548  | 3749299  | 0.63   | cps   |
| Titanium   | 47-1  | 194097   | 188376   | 198167   | 193547   | 2.54   | cps   |
| Uranium    | 238-1 | 275      | 150      | 183      | 203      | 31.92  | cps   |
| Vanadium   | 51-2  | 467474   | 470432   | 474362   | 470756   | 0.73   | cps   |
| Yttrium    | 89-1  | 6211787  | 6206494  | 6223991  | 6214091  | 0.14   | cps   |
| Yttrium    | 89-2  | 1024994  | 1032214  | 1046529  | 1034579  | 1.06   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MS          | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MS         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:29:12 | DataFile Name :   | 033SMPL.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 70395 | 70539 | 71219 | 70718   | 0.62   | cps   |
| Zirconium | 90-1 | 5176  | 5593  | 5701  | 5490    | 5.05   | cps   |
| Zirconium | 91-1 | 2350  | 1884  | 2300  | 2178    | 11.77  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MSD        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:32:50 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 136334   | 133903   | 134971   | 135069   | 0.90   | cps   |
| Antimony   | 121-1 | 4873958  | 4830083  | 4946984  | 4883675  | 1.21   | cps   |
| Arsenic    | 75-1  | 955766   | 963343   | 974453   | 964521   | 0.97   | cps   |
| Barium     | 135-1 | 345857   | 343381   | 348837   | 346025   | 0.79   | cps   |
| Barium     | 137-1 | 604831   | 609183   | 614970   | 609661   | 0.83   | cps   |
| Beryllium  | 9-1   | 310601   | 313579   | 315680   | 313287   | 0.81   | cps   |
| Bismuth    | 209-1 | 6254275  | 6350252  | 6394034  | 6332854  | 1.13   | cps   |
| Bismuth    | 209-2 | 4131983  | 4184694  | 4184353  | 4167010  | 0.73   | cps   |
| Boron      | 10-1  | 84100    | 84897    | 86639    | 85212    | 1.52   | cps   |
| Boron      | 11-1  | 369724   | 373310   | 380796   | 374610   | 1.51   | cps   |
| Cadmium    | 111-1 | 349681   | 354687   | 355511   | 353293   | 0.89   | cps   |
| Cadmium    | 106-1 | 34426    | 33716    | 33992    | 34045    | 1.05   | cps   |
| Cadmium    | 108-1 | 23399    | 23499    | 23637    | 23511    | 0.51   | cps   |
| Calcium    | 43-1  | 441684   | 438569   | 444978   | 441744   | 0.73   | cps   |
| Calcium    | 44-1  | 7254354  | 7235396  | 7311603  | 7267118  | 0.55   | cps   |
| Chromium   | 52-2  | 761958   | 765136   | 761309   | 762801   | 0.27   | cps   |
| Cobalt     | 59-2  | 594185   | 600637   | 600279   | 598367   | 0.61   | cps   |
| Copper     | 63-2  | 619221   | 622883   | 621560   | 621221   | 0.30   | cps   |
| Dysprosium | 156-1 | 417219   | 423437   | 421936   | 420864   | 0.77   | cps   |
| Dysprosium | 156-2 | 150422   | 152880   | 153543   | 152282   | 1.08   | cps   |
| Erbium     | 164-1 | 83       | 58       | 8        | 50       | 76.38  | cps   |
| Erbium     | 164-2 | 33       | 53       | 27       | 38       | 36.73  | cps   |
| Gadolinium | 160-1 | 117      | 133      | 175      | 142      | 21.21  | cps   |
| Gadolinium | 160-2 | 243      | 223      | 203      | 223      | 8.95   | cps   |
| Holmium    | 165-1 | 8840124  | 8928462  | 8939119  | 8902568  | 0.61   | cps   |
| Holmium    | 165-2 | 5259136  | 5291422  | 5295632  | 5282064  | 0.38   | cps   |
| Indium     | 115-1 | 5936776  | 5970117  | 6016415  | 5974436  | 0.67   | cps   |
| Indium     | 115-2 | 1391834  | 1408679  | 1401877  | 1400797  | 0.60   | cps   |
| Iron       | 56-2  | 5053261  | 5069724  | 5044795  | 5055927  | 0.25   | cps   |
| Iron       | 57-2  | 127633   | 131668   | 128710   | 129337   | 1.62   | cps   |
| Krypton    | 83-1  | 210      | 197      | 253      | 220      | 13.47  | cps   |
| Lead       | 206-1 | 6621840  | 6723048  | 6784210  | 6709699  | 1.22   | cps   |
| Lead       | 207-1 | 5701177  | 6001187  | 5981215  | 5894526  | 2.85   | cps   |
| Lead       | 208-1 | 26653194 | 27346092 | 27395437 | 27131574 | 1.53   | cps   |
| Lithium    | 6-1   | 2181633  | 2184534  | 2202292  | 2189486  | 0.51   | cps   |
| Magnesium  | 24-2  | 672660   | 676366   | 672354   | 673793   | 0.33   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MSD        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:32:50 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 246236   | 250048   | 249968   | 248751   | 0.88   | cps   |
| Molybdenum | 94-1  | 670949   | 670213   | 676576   | 672579   | 0.52   | cps   |
| Molybdenum | 95-1  | 1170865  | 1174927  | 1186983  | 1177592  | 0.71   | cps   |
| Molybdenum | 96-1  | 1261405  | 1262197  | 1257998  | 1260533  | 0.18   | cps   |
| Molybdenum | 97-1  | 736821   | 741406   | 735206   | 737811   | 0.44   | cps   |
| Molybdenum | 98-1  | 1896472  | 1915864  | 1930315  | 1914217  | 0.89   | cps   |
| Neodymium  | 150-1 | 73       | 73       | 40       | 62       | 30.93  | cps   |
| Neodymium  | 150-2 | 7        | 30       | 3        | 13       | 108.98 | cps   |
| Nickel     | 60-2  | 375631   | 382136   | 376005   | 377924   | 0.97   | cps   |
| Phosphorus | 31-2  | 21616    | 21858    | 22952    | 22142    | 3.21   | cps   |
| Potassium  | 39-2  | 1612914  | 1613881  | 1633377  | 1620057  | 0.71   | cps   |
| Rhodium    | 103-1 | 5156692  | 5194252  | 5232577  | 5194507  | 0.73   | cps   |
| Rhodium    | 103-2 | 2698390  | 2733123  | 2730277  | 2720597  | 0.71   | cps   |
| Scandium   | 45-1  | 3647328  | 3640047  | 3665282  | 3650886  | 0.36   | cps   |
| Scandium   | 45-2  | 180451   | 178940   | 179416   | 179602   | 0.43   | cps   |
| Selenium   | 77-2  | 13176    | 13196    | 12786    | 13053    | 1.77   | cps   |
| Selenium   | 78-2  | 45027    | 45333    | 44280    | 44880    | 1.21   | cps   |
| Selenium   | 82-1  | 249675   | 249344   | 252574   | 250531   | 0.71   | cps   |
| Silicon    | 28-1  | 4203080  | 4230520  | 4307258  | 4246953  | 1.27   | cps   |
| Silver     | 109-1 | 565484   | 569924   | 577876   | 571095   | 1.10   | cps   |
| Silver     | 107-1 | 591153   | 594862   | 592826   | 592947   | 0.31   | cps   |
| Sodium     | 23-2  | 3328544  | 3319382  | 3351745  | 3333223  | 0.50   | cps   |
| Strontium  | 86-1  | 418047   | 422819   | 424246   | 421704   | 0.77   | cps   |
| Strontium  | 88-1  | 3674865  | 3688812  | 3728142  | 3697273  | 0.75   | cps   |
| Sulfur     | 34-1  | 330573   | 323084   | 324336   | 325997   | 1.23   | cps   |
| Terbium    | 159-1 | 9051793  | 9036869  | 9233314  | 9107325  | 1.20   | cps   |
| Terbium    | 159-2 | 5167382  | 5181499  | 5213276  | 5187386  | 0.45   | cps   |
| Thallium   | 203-1 | 16283328 | 16313840 | 16551527 | 16382899 | 0.90   | cps   |
| Thallium   | 205-1 | 38579781 | 39365182 | 39650642 | 39198535 | 1.41   | cps   |
| Thorium    | 232-1 | 1222     | 1339     | 1311     | 1291     | 4.72   | cps   |
| Tin        | 118-1 | 3695189  | 3696309  | 3757539  | 3716345  | 0.96   | cps   |
| Titanium   | 47-1  | 187269   | 188121   | 200788   | 192059   | 3.94   | cps   |
| Uranium    | 238-1 | 175      | 208      | 183      | 189      | 9.18   | cps   |
| Vanadium   | 51-2  | 468909   | 468437   | 466719   | 468022   | 0.25   | cps   |
| Yttrium    | 89-1  | 6067653  | 6149456  | 6201012  | 6139374  | 1.10   | cps   |
| Yttrium    | 89-2  | 1015889  | 1034392  | 1030351  | 1026877  | 0.95   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01MSD         | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042MSD        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:32:50 | DataFile Name :   | 034SMPL.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 69615 | 69119 | 69538 | 69424   | 0.38   | cps   |
| Zirconium | 90-1 | 4643  | 4343  | 4268  | 4418    | 4.49   | cps   |
| Zirconium | 91-1 | 1583  | 1659  | 1850  | 1697    | 8.10   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01A           | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042A          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:36:27 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 134012   | 132970   | 131533   | 132838   | 0.94   | cps   |
| Antimony   | 121-1 | 4903064  | 4932134  | 4865243  | 4900147  | 0.68   | cps   |
| Arsenic    | 75-1  | 962523   | 961398   | 941668   | 955196   | 1.23   | cps   |
| Barium     | 135-1 | 350858   | 350705   | 351221   | 350928   | 0.08   | cps   |
| Barium     | 137-1 | 604484   | 608193   | 605686   | 606121   | 0.31   | cps   |
| Beryllium  | 9-1   | 313464   | 310211   | 310818   | 311498   | 0.56   | cps   |
| Bismuth    | 209-1 | 6321059  | 6361572  | 6369602  | 6350744  | 0.41   | cps   |
| Bismuth    | 209-2 | 4109235  | 4144531  | 4141931  | 4131899  | 0.48   | cps   |
| Boron      | 10-1  | 86296    | 83916    | 86664    | 85625    | 1.74   | cps   |
| Boron      | 11-1  | 375368   | 373969   | 379048   | 376128   | 0.70   | cps   |
| Cadmium    | 111-1 | 352965   | 353909   | 348805   | 351893   | 0.77   | cps   |
| Cadmium    | 106-1 | 33449    | 34175    | 32956    | 33527    | 1.83   | cps   |
| Cadmium    | 108-1 | 23512    | 23895    | 23557    | 23655    | 0.89   | cps   |
| Calcium    | 43-1  | 442062   | 441003   | 437116   | 440060   | 0.59   | cps   |
| Calcium    | 44-1  | 7298376  | 7245780  | 7218134  | 7254097  | 0.56   | cps   |
| Chromium   | 52-2  | 751871   | 754229   | 752650   | 752916   | 0.16   | cps   |
| Cobalt     | 59-2  | 597488   | 589208   | 591332   | 592676   | 0.73   | cps   |
| Copper     | 63-2  | 615822   | 617681   | 615259   | 616254   | 0.21   | cps   |
| Dysprosium | 156-1 | 413576   | 413577   | 419769   | 415640   | 0.86   | cps   |
| Dysprosium | 156-2 | 148024   | 149586   | 150651   | 149420   | 0.88   | cps   |
| Erbium     | 164-1 | 83       | 100      | 67       | 83       | 20.00  | cps   |
| Erbium     | 164-2 | 33       | 30       | 40       | 34       | 14.78  | cps   |
| Gadolinium | 160-1 | 225      | 133      | 200      | 186      | 25.46  | cps   |
| Gadolinium | 160-2 | 150      | 227      | 153      | 177      | 24.53  | cps   |
| Holmium    | 165-1 | 8821313  | 8892323  | 9022684  | 8912107  | 1.15   | cps   |
| Holmium    | 165-2 | 5222478  | 5286845  | 5272769  | 5260697  | 0.64   | cps   |
| Indium     | 115-1 | 5964504  | 5986737  | 5938056  | 5963099  | 0.41   | cps   |
| Indium     | 115-2 | 1379114  | 1395778  | 1396618  | 1390503  | 0.71   | cps   |
| Iron       | 56-2  | 4990613  | 5020941  | 4995596  | 5002383  | 0.33   | cps   |
| Iron       | 57-2  | 129091   | 128749   | 128502   | 128780   | 0.23   | cps   |
| Krypton    | 83-1  | 260      | 213      | 217      | 230      | 11.32  | cps   |
| Lead       | 206-1 | 6757000  | 6751379  | 6767506  | 6758629  | 0.12   | cps   |
| Lead       | 207-1 | 5758862  | 5808664  | 5768997  | 5778841  | 0.46   | cps   |
| Lead       | 208-1 | 27013418 | 27045982 | 27056940 | 27038780 | 0.08   | cps   |
| Lithium    | 6-1   | 2164487  | 2172937  | 2167210  | 2168212  | 0.20   | cps   |
| Magnesium  | 24-2  | 656910   | 667610   | 660104   | 661541   | 0.83   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01A           | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042A          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:36:27 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 244396   | 243847   | 247097   | 245113   | 0.71   | cps   |
| Molybdenum | 94-1  | 676438   | 669281   | 673470   | 673063   | 0.53   | cps   |
| Molybdenum | 95-1  | 1188660  | 1186229  | 1172733  | 1182541  | 0.73   | cps   |
| Molybdenum | 96-1  | 1274760  | 1266049  | 1269828  | 1270212  | 0.34   | cps   |
| Molybdenum | 97-1  | 746329   | 744654   | 738457   | 743147   | 0.56   | cps   |
| Molybdenum | 98-1  | 1939966  | 1920618  | 1904400  | 1921661  | 0.93   | cps   |
| Neodymium  | 150-1 | 73       | 87       | 40       | 67       | 36.06  | cps   |
| Neodymium  | 150-2 | 13       | 7        | 20       | 13       | 49.99  | cps   |
| Nickel     | 60-2  | 374265   | 374596   | 378390   | 375750   | 0.61   | cps   |
| Phosphorus | 31-2  | 22000    | 22234    | 21917    | 22050    | 0.75   | cps   |
| Potassium  | 39-2  | 1595081  | 1588846  | 1604135  | 1596021  | 0.48   | cps   |
| Rhodium    | 103-1 | 5159341  | 5165789  | 5192343  | 5172491  | 0.34   | cps   |
| Rhodium    | 103-2 | 2687926  | 2707479  | 2709023  | 2701476  | 0.44   | cps   |
| Scandium   | 45-1  | 3625355  | 3630226  | 3608736  | 3621439  | 0.31   | cps   |
| Scandium   | 45-2  | 176440   | 177580   | 180647   | 178223   | 1.22   | cps   |
| Selenium   | 77-2  | 13139    | 13366    | 13156    | 13221    | 0.96   | cps   |
| Selenium   | 78-2  | 44035    | 45551    | 44754    | 44780    | 1.69   | cps   |
| Selenium   | 82-1  | 251992   | 249314   | 249703   | 250336   | 0.58   | cps   |
| Silicon    | 28-1  | 4197142  | 4194665  | 4205796  | 4199201  | 0.14   | cps   |
| Silver     | 109-1 | 570228   | 570679   | 572768   | 571225   | 0.24   | cps   |
| Silver     | 107-1 | 584505   | 590474   | 591504   | 588828   | 0.64   | cps   |
| Sodium     | 23-2  | 3260005  | 3290221  | 3257582  | 3269269  | 0.56   | cps   |
| Strontium  | 86-1  | 427069   | 426160   | 419702   | 424310   | 0.95   | cps   |
| Strontium  | 88-1  | 3727192  | 3706429  | 3666937  | 3700186  | 0.83   | cps   |
| Sulfur     | 34-1  | 322211   | 315587   | 314201   | 317333   | 1.35   | cps   |
| Terbium    | 159-1 | 9057860  | 9064981  | 9182922  | 9101921  | 0.77   | cps   |
| Terbium    | 159-2 | 5124785  | 5172251  | 5154637  | 5150558  | 0.47   | cps   |
| Thallium   | 203-1 | 16465021 | 16407215 | 16592889 | 16488375 | 0.58   | cps   |
| Thallium   | 205-1 | 39444751 | 39609359 | 39879896 | 39644669 | 0.55   | cps   |
| Thorium    | 232-1 | 922      | 945      | 967      | 945      | 2.35   | cps   |
| Tin        | 118-1 | 3751089  | 3736629  | 3682800  | 3723506  | 0.97   | cps   |
| Titanium   | 47-1  | 185276   | 191435   | 195504   | 190738   | 2.70   | cps   |
| Uranium    | 238-1 | 192      | 208      | 133      | 178      | 22.15  | cps   |
| Vanadium   | 51-2  | 461375   | 465196   | 461214   | 462595   | 0.49   | cps   |
| Yttrium    | 89-1  | 6116311  | 6172946  | 6136403  | 6141887  | 0.47   | cps   |
| Yttrium    | 89-2  | 1020053  | 1021963  | 1030026  | 1024014  | 0.52   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2878-01A           | Instrumnet Name : | P7        |
| Client Sample ID :      | 390508042A          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:36:27 | DataFile Name :   | 035SMPL.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 69545 | 70921 | 70633 | 70366   | 1.03   | cps   |
| Zirconium | 90-1 | 4868  | 4192  | 4167  | 4409    | 9.01   | cps   |
| Zirconium | 91-1 | 1850  | 1792  | 1784  | 1809    | 2.01   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-GIRLS-BR-A   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:40:02 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 592      | 717      | 692      | 667      | 9.92   | cps   |
| Antimony   | 121-1 | 3842     | 3642     | 4092     | 3859     | 5.84   | cps   |
| Arsenic    | 75-1  | 546      | 526      | 580      | 551      | 4.96   | cps   |
| Barium     | 135-1 | 186190   | 182464   | 181698   | 183451   | 1.31   | cps   |
| Barium     | 137-1 | 322610   | 318897   | 316714   | 319407   | 0.93   | cps   |
| Beryllium  | 9-1   | 140      | 113      | 157      | 137      | 15.99  | cps   |
| Bismuth    | 209-1 | 6344274  | 6395149  | 6380106  | 6373177  | 0.41   | cps   |
| Bismuth    | 209-2 | 4111294  | 4114353  | 4138424  | 4121357  | 0.36   | cps   |
| Boron      | 10-1  | 14683    | 14683    | 13974    | 14446    | 2.83   | cps   |
| Boron      | 11-1  | 67694    | 65802    | 65450    | 66315    | 1.82   | cps   |
| Cadmium    | 111-1 | 2077     | 1681     | 1971     | 1909     | 10.74  | cps   |
| Cadmium    | 106-1 | 2867     | 2334     | 2700     | 2634     | 10.36  | cps   |
| Cadmium    | 108-1 | 25       | 4        | 4        | 11       | 108.21 | cps   |
| Calcium    | 43-1  | 949069   | 960379   | 962261   | 957236   | 0.75   | cps   |
| Calcium    | 44-1  | 15772323 | 16005114 | 15864818 | 15880752 | 0.74   | cps   |
| Chromium   | 52-2  | 1367     | 1420     | 1390     | 1392     | 1.92   | cps   |
| Cobalt     | 59-2  | 213      | 227      | 207      | 216      | 4.72   | cps   |
| Copper     | 63-2  | 28765    | 29300    | 29139    | 29068    | 0.94   | cps   |
| Dysprosium | 156-1 | 92       | 83       | 50       | 75       | 29.40  | cps   |
| Dysprosium | 156-2 | 33       | 30       | 33       | 32       | 5.97   | cps   |
| Erbium     | 164-1 | 58       | 33       | 50       | 47       | 26.95  | cps   |
| Erbium     | 164-2 | 27       | 27       | 33       | 29       | 13.31  | cps   |
| Gadolinium | 160-1 | 25       | 50       | 50       | 42       | 34.64  | cps   |
| Gadolinium | 160-2 | 150      | 163      | 173      | 162      | 7.22   | cps   |
| Holmium    | 165-1 | 9011727  | 9023923  | 9166226  | 9067292  | 0.95   | cps   |
| Holmium    | 165-2 | 5335210  | 5345315  | 5364726  | 5348417  | 0.28   | cps   |
| Indium     | 115-1 | 6161144  | 6229853  | 6230623  | 6207207  | 0.64   | cps   |
| Indium     | 115-2 | 1447132  | 1453410  | 1457817  | 1452786  | 0.37   | cps   |
| Iron       | 56-2  | 22501    | 23402    | 23286    | 23063    | 2.13   | cps   |
| Iron       | 57-2  | 7052     | 7135     | 6969     | 7052     | 1.18   | cps   |
| Krypton    | 83-1  | 207      | 193      | 203      | 201      | 3.45   | cps   |
| Lead       | 206-1 | 2956     | 2584     | 2611     | 2717     | 7.63   | cps   |
| Lead       | 207-1 | 2423     | 2317     | 2317     | 2352     | 2.59   | cps   |
| Lead       | 208-1 | 11702    | 10719    | 10363    | 10928    | 6.35   | cps   |
| Lithium    | 6-1   | 2221772  | 2226235  | 2242631  | 2230213  | 0.49   | cps   |
| Magnesium  | 24-2  | 2487455  | 2526525  | 2514816  | 2509598  | 0.80   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-GIRLS-BR-A   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:40:02 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 7659     | 7335     | 7329     | 7441     | 2.54   | cps   |
| Molybdenum | 94-1  | 758      | 875      | 658      | 764      | 14.20  | cps   |
| Molybdenum | 95-1  | 1133     | 1100     | 967      | 1067     | 8.27   | cps   |
| Molybdenum | 96-1  | 1025     | 1150     | 983      | 1053     | 8.24   | cps   |
| Molybdenum | 97-1  | 575      | 642      | 558      | 592      | 7.45   | cps   |
| Molybdenum | 98-1  | 1650     | 1500     | 1408     | 1520     | 8.03   | cps   |
| Neodymium  | 150-1 | 27       | 13       | 33       | 24       | 41.68  | cps   |
| Neodymium  | 150-2 | 10       | 10       | 3        | 8        | 49.52  | cps   |
| Nickel     | 60-2  | 697      | 700      | 747      | 714      | 3.91   | cps   |
| Phosphorus | 31-2  | 792      | 908      | 867      | 856      | 6.91   | cps   |
| Potassium  | 39-2  | 210362   | 213660   | 215733   | 213252   | 1.27   | cps   |
| Rhodium    | 103-1 | 5227541  | 5261523  | 5312736  | 5267267  | 0.81   | cps   |
| Rhodium    | 103-2 | 2751437  | 2786269  | 2776722  | 2771476  | 0.65   | cps   |
| Scandium   | 45-1  | 3771151  | 3782112  | 3780431  | 3777898  | 0.16   | cps   |
| Scandium   | 45-2  | 187139   | 186633   | 187293   | 187022   | 0.18   | cps   |
| Selenium   | 77-2  | 3        | 3        | 3        | 3        | 0.00   | cps   |
| Selenium   | 78-2  | 56       | 46       | 56       | 52       | 10.19  | cps   |
| Selenium   | 82-1  | 162      | 134      | 140      | 145      | 10.38  | cps   |
| Silicon    | 28-1  | 36884473 | 37317437 | 37549376 | 37250429 | 0.91   | cps   |
| Silver     | 109-1 | 150      | 167      | 158      | 158      | 5.26   | cps   |
| Silver     | 107-1 | 250      | 200      | 192      | 214      | 14.75  | cps   |
| Sodium     | 23-2  | 11828142 | 11820627 | 11878169 | 11842313 | 0.26   | cps   |
| Strontium  | 86-1  | 281077   | 283690   | 284334   | 283034   | 0.61   | cps   |
| Strontium  | 88-1  | 2476963  | 2486363  | 2508718  | 2490681  | 0.65   | cps   |
| Sulfur     | 34-1  | 514494   | 518400   | 521520   | 518138   | 0.68   | cps   |
| Terbium    | 159-1 | 9287691  | 9304247  | 9334876  | 9308938  | 0.26   | cps   |
| Terbium    | 159-2 | 5214026  | 5235983  | 5258876  | 5236295  | 0.43   | cps   |
| Thallium   | 203-1 | 5043     | 4309     | 3934     | 4429     | 12.73  | cps   |
| Thallium   | 205-1 | 11614    | 10538    | 9370     | 10507    | 10.68  | cps   |
| Thorium    | 232-1 | 378      | 428      | 344      | 383      | 10.94  | cps   |
| Tin        | 118-1 | 1884     | 1433     | 1617     | 1645     | 13.76  | cps   |
| Titanium   | 47-1  | 875      | 825      | 758      | 820      | 7.14   | cps   |
| Uranium    | 238-1 | 10897    | 11422    | 10855    | 11058    | 2.86   | cps   |
| Vanadium   | 51-2  | 1760     | 1723     | 1673     | 1719     | 2.53   | cps   |
| Yttrium    | 89-1  | 6335098  | 6338670  | 6404914  | 6359561  | 0.62   | cps   |
| Yttrium    | 89-2  | 1056180  | 1065311  | 1061006  | 1060832  | 0.43   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-GIRLS-BR-A   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:40:02 | DataFile Name :   | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 3327 | 3664 | 3524 | 3505    | 4.83   | cps   |
| Zirconium | 90-1 | 575  | 483  | 467  | 508     | 11.48  | cps   |
| Zirconium | 91-1 | 100  | 108  | 108  | 106     | 4.56   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV95               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV95               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 13:43:38 | DataFile Name :   | 037CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 3937157   | 3940812   | 3974205   | 3950725   | 0.52   | cps   |
| Antimony   | 121-1 | 3063017   | 3057138   | 3058729   | 3059628   | 0.10   | cps   |
| Arsenic    | 75-1  | 605795    | 600485    | 600732    | 602337    | 0.50   | cps   |
| Barium     | 135-1 | 4177654   | 4159266   | 4159077   | 4165332   | 0.26   | cps   |
| Barium     | 137-1 | 7450336   | 7450618   | 7438889   | 7446614   | 0.09   | cps   |
| Beryllium  | 9-1   | 772964    | 770024    | 763827    | 768938    | 0.61   | cps   |
| Bismuth    | 209-1 | 5813918   | 5788169   | 5794572   | 5798886   | 0.23   | cps   |
| Bismuth    | 209-2 | 3802614   | 3832643   | 3835226   | 3823494   | 0.47   | cps   |
| Boron      | 10-1  | 117211    | 121930    | 121089    | 120077    | 2.10   | cps   |
| Boron      | 11-1  | 523749    | 527657    | 518626    | 523344    | 0.87   | cps   |
| Cadmium    | 111-1 | 812458    | 812262    | 810586    | 811769    | 0.13   | cps   |
| Cadmium    | 106-1 | 95764     | 94095     | 95781     | 95213     | 1.02   | cps   |
| Cadmium    | 108-1 | 64144     | 62948     | 63408     | 63500     | 0.95   | cps   |
| Calcium    | 43-1  | 4948729   | 4894732   | 4908994   | 4917485   | 0.57   | cps   |
| Calcium    | 44-1  | 80230964  | 80040616  | 79924623  | 80065401  | 0.19   | cps   |
| Chromium   | 52-2  | 945362    | 954639    | 953225    | 951076    | 0.53   | cps   |
| Cobalt     | 59-2  | 1440905   | 1443444   | 1437910   | 1440753   | 0.19   | cps   |
| Copper     | 63-2  | 2041379   | 2051315   | 2050944   | 2047879   | 0.28   | cps   |
| Dysprosium | 156-1 | 158       | 100       | 175       | 144       | 27.26  | cps   |
| Dysprosium | 156-2 | 93        | 107       | 117       | 106       | 11.09  | cps   |
| Erbium     | 164-1 | 67        | 58        | 83        | 69        | 18.33  | cps   |
| Erbium     | 164-2 | 17        | 30        | 20        | 22        | 31.22  | cps   |
| Gadolinium | 160-1 | 42        | 50        | 50        | 47        | 10.18  | cps   |
| Gadolinium | 160-2 | 160       | 167       | 153       | 160       | 4.17   | cps   |
| Holmium    | 165-1 | 9238928   | 9078328   | 9104086   | 9140447   | 0.94   | cps   |
| Holmium    | 165-2 | 5309680   | 5354416   | 5332664   | 5332253   | 0.42   | cps   |
| Indium     | 115-1 | 5910119   | 5904943   | 5925167   | 5913410   | 0.18   | cps   |
| Indium     | 115-2 | 1380617   | 1383047   | 1382494   | 1382053   | 0.09   | cps   |
| Iron       | 56-2  | 212130399 | 212312549 | 211783894 | 212075614 | 0.13   | cps   |
| Iron       | 57-2  | 5299018   | 5280442   | 5252008   | 5277156   | 0.45   | cps   |
| Krypton    | 83-1  | 280       | 233       | 273       | 262       | 9.63   | cps   |
| Lead       | 206-1 | 3113638   | 3060969   | 3041628   | 3072078   | 1.21   | cps   |
| Lead       | 207-1 | 2785652   | 2770762   | 2753107   | 2769840   | 0.59   | cps   |
| Lead       | 208-1 | 12744459  | 12636392  | 12544435  | 12641762  | 0.79   | cps   |
| Lithium    | 6-1   | 2253048   | 2238986   | 2243156   | 2245063   | 0.32   | cps   |
| Magnesium  | 24-2  | 39913410  | 40081249  | 40029022  | 40007894  | 0.21   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV95               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV95               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 13:43:38 | DataFile Name :   | 037CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1243852  | 1250651  | 1253108  | 1249204  | 0.38   | cps   |
| Molybdenum | 94-1  | 6468951  | 6409126  | 6417043  | 6431707  | 0.51   | cps   |
| Molybdenum | 95-1  | 7828990  | 7804327  | 7779476  | 7804264  | 0.32   | cps   |
| Molybdenum | 96-1  | 8672796  | 8610341  | 8635262  | 8639466  | 0.36   | cps   |
| Molybdenum | 97-1  | 4787320  | 4748443  | 4730044  | 4755269  | 0.61   | cps   |
| Molybdenum | 98-1  | 12510471 | 12405767 | 12528560 | 12481599 | 0.53   | cps   |
| Neodymium  | 150-1 | 353      | 420      | 367      | 380      | 9.28   | cps   |
| Neodymium  | 150-2 | 103      | 83       | 70       | 86       | 19.61  | cps   |
| Nickel     | 60-2  | 358467   | 359196   | 358461   | 358708   | 0.12   | cps   |
| Phosphorus | 31-2  | 36596    | 36763    | 37473    | 36944    | 1.26   | cps   |
| Potassium  | 39-2  | 20436588 | 20583464 | 20487316 | 20502456 | 0.36   | cps   |
| Rhodium    | 103-1 | 4916213  | 4863453  | 4847086  | 4875584  | 0.74   | cps   |
| Rhodium    | 103-2 | 2566649  | 2564710  | 2569582  | 2566980  | 0.10   | cps   |
| Scandium   | 45-1  | 3789610  | 3788427  | 3749552  | 3775863  | 0.60   | cps   |
| Scandium   | 45-2  | 188060   | 189707   | 188563   | 188777   | 0.45   | cps   |
| Selenium   | 77-2  | 3044     | 3220     | 3134     | 3133     | 2.82   | cps   |
| Selenium   | 78-2  | 10593    | 10580    | 10463    | 10545    | 0.68   | cps   |
| Selenium   | 82-1  | 58493    | 58604    | 57995    | 58364    | 0.56   | cps   |
| Silicon    | 28-1  | 2758291  | 2856326  | 2901645  | 2838754  | 2.58   | cps   |
| Silver     | 109-1 | 3466338  | 3450064  | 3447932  | 3454778  | 0.29   | cps   |
| Silver     | 107-1 | 3612639  | 3598300  | 3583236  | 3598059  | 0.41   | cps   |
| Sodium     | 23-2  | 76619262 | 76718395 | 76602910 | 76646856 | 0.08   | cps   |
| Strontium  | 86-1  | 1037192  | 1024197  | 1033465  | 1031618  | 0.65   | cps   |
| Strontium  | 88-1  | 9277743  | 9224003  | 9180063  | 9227270  | 0.53   | cps   |
| Sulfur     | 34-1  | 565654   | 569031   | 556079   | 563588   | 1.19   | cps   |
| Terbium    | 159-1 | 9276029  | 9261850  | 9270270  | 9269383  | 0.08   | cps   |
| Terbium    | 159-2 | 5180146  | 5210626  | 5198776  | 5196516  | 0.30   | cps   |
| Thallium   | 203-1 | 3811604  | 3791330  | 3773635  | 3792190  | 0.50   | cps   |
| Thallium   | 205-1 | 9459204  | 9445679  | 9280438  | 9395107  | 1.06   | cps   |
| Thorium    | 232-1 | 15819410 | 15676705 | 15736520 | 15744212 | 0.46   | cps   |
| Tin        | 118-1 | 2658622  | 2637611  | 2643035  | 2646423  | 0.41   | cps   |
| Titanium   | 47-1  | 2152743  | 2138705  | 2122179  | 2137875  | 0.72   | cps   |
| Uranium    | 238-1 | 15475345 | 15398112 | 15405151 | 15426203 | 0.28   | cps   |
| Vanadium   | 51-2  | 794545   | 794689   | 795506   | 794913   | 0.07   | cps   |
| Yttrium    | 89-1  | 6249477  | 6280584  | 6269265  | 6266442  | 0.25   | cps   |
| Yttrium    | 89-2  | 1048013  | 1053512  | 1055326  | 1052284  | 0.36   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV95               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV95               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 13:43:38 | DataFile Name :   | 037CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 353266  | 354194  | 354302  | 353921  | 0.16   | cps   |
| Zirconium | 90-1 | 5480393 | 5463367 | 5443606 | 5462455 | 0.34   | cps   |
| Zirconium | 91-1 | 1196543 | 1187871 | 1190972 | 1191795 | 0.37   | cps   |



LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : CCB95 Instrumnet Name : P7  
 Client Sample ID : CCB95 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 13:47:16 DataFile Name : 038CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 200     | 200     | 158     | 186     | 12.93  | cps   |
| Antimony   | 121-1 | 2975    | 3059    | 3050    | 3028    | 1.52   | cps   |
| Arsenic    | 75-1  | -114    | -131    | -27     | -91     | -61.45 | cps   |
| Barium     | 135-1 | 192     | 275     | 117     | 194     | 40.73  | cps   |
| Barium     | 137-1 | 492     | 392     | 342     | 408     | 18.70  | cps   |
| Beryllium  | 9-1   | 183     | 217     | 210     | 203     | 8.67   | cps   |
| Bismuth    | 209-1 | 6899376 | 6947045 | 6934655 | 6927026 | 0.36   | cps   |
| Bismuth    | 209-2 | 4497596 | 4494643 | 4489413 | 4493884 | 0.09   | cps   |
| Boron      | 10-1  | 5276    | 4893    | 4901    | 5023    | 4.36   | cps   |
| Boron      | 11-1  | 24295   | 22659   | 21992   | 22982   | 5.16   | cps   |
| Cadmium    | 111-1 | 2272    | 2130    | 2046    | 2149    | 5.30   | cps   |
| Cadmium    | 106-1 | 3151    | 2909    | 2859    | 2973    | 5.25   | cps   |
| Cadmium    | 108-1 | 13      | 8       | 25      | 15      | 56.79  | cps   |
| Calcium    | 43-1  | 408     | 242     | 283     | 311     | 27.88  | cps   |
| Calcium    | 44-1  | 8411    | 8044    | 7402    | 7952    | 6.42   | cps   |
| Chromium   | 52-2  | 477     | 523     | 487     | 496     | 4.96   | cps   |
| Cobalt     | 59-2  | 97      | 83      | 60      | 80      | 23.20  | cps   |
| Copper     | 63-2  | 560     | 550     | 450     | 520     | 11.70  | cps   |
| Dysprosium | 156-1 | 25      | 0       | 8       | 11      | 114.58 | cps   |
| Dysprosium | 156-2 | 10      | 0       | 0       | 3       | 173.21 | cps   |
| Erbium     | 164-1 | 42      | 42      | 42      | 42      | 0.00   | cps   |
| Erbium     | 164-2 | 13      | 7       | 20      | 13      | 49.99  | cps   |
| Gadolinium | 160-1 | 42      | 17      | 58      | 39      | 53.93  | cps   |
| Gadolinium | 160-2 | 167     | 160     | 160     | 162     | 2.37   | cps   |
| Holmium    | 165-1 | 9640237 | 9781358 | 9745067 | 9722221 | 0.75   | cps   |
| Holmium    | 165-2 | 5635460 | 5840740 | 5678817 | 5718339 | 1.89   | cps   |
| Indium     | 115-1 | 6846141 | 6845554 | 6895228 | 6862308 | 0.42   | cps   |
| Indium     | 115-2 | 1612301 | 1609428 | 1597610 | 1606446 | 0.48   | cps   |
| Iron       | 56-2  | 12122   | 11166   | 11305   | 11531   | 4.48   | cps   |
| Iron       | 57-2  | 317     | 339     | 317     | 324     | 3.96   | cps   |
| Krypton    | 83-1  | 317     | 230     | 233     | 260     | 18.89  | cps   |
| Lead       | 206-1 | 628     | 561     | 644     | 611     | 7.22   | cps   |
| Lead       | 207-1 | 528     | 494     | 483     | 502     | 4.61   | cps   |
| Lead       | 208-1 | 2500    | 2356    | 2367    | 2408    | 3.34   | cps   |
| Lithium    | 6-1   | 2520925 | 2516907 | 2526639 | 2521490 | 0.19   | cps   |
| Magnesium  | 24-2  | 1775    | 1900    | 1533    | 1736    | 10.74  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB95               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB95               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:47:16 | DataFile Name :   | 038CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2     | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|----------|---------|---------|--------|-------|
| Manganese  | 55-2  | 67      | 80       | 87      | 78      | 13.09  | cps   |
| Molybdenum | 94-1  | 1634    | 1533     | 1533    | 1567    | 3.69   | cps   |
| Molybdenum | 95-1  | 2367    | 2217     | 1742    | 2109    | 15.48  | cps   |
| Molybdenum | 96-1  | 2517    | 2300     | 2425    | 2414    | 4.51   | cps   |
| Molybdenum | 97-1  | 1508    | 1442     | 1175    | 1375    | 12.83  | cps   |
| Molybdenum | 98-1  | 3759    | 3409     | 2975    | 3381    | 11.61  | cps   |
| Neodymium  | 150-1 | 7       | 0        | 0       | 2       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0        | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 57      | 30       | 57      | 48      | 32.23  | cps   |
| Phosphorus | 31-2  | 183     | 167      | 175     | 175     | 4.76   | cps   |
| Potassium  | 39-2  | 14074   | 14825    | 14299   | 14399   | 2.68   | cps   |
| Rhodium    | 103-1 | 6119717 | 6146023  | 6094954 | 6120232 | 0.42   | cps   |
| Rhodium    | 103-2 | 3091863 | 3136705  | 3123684 | 3117417 | 0.74   | cps   |
| Scandium   | 45-1  | 4266030 | 4244832  | 4293073 | 4267978 | 0.57   | cps   |
| Scandium   | 45-2  | 209113  | 206283   | 209026  | 208141  | 0.77   | cps   |
| Selenium   | 77-2  | 0       | 0        | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 74      | 72       | 48      | 65      | 22.31  | cps   |
| Selenium   | 82-1  | 18      | 80       | 84      | 61      | 61.12  | cps   |
| Silicon    | 28-1  | 146629  | 142558   | 138755  | 142647  | 2.76   | cps   |
| Silver     | 109-1 | 442     | 367      | 308     | 372     | 17.96  | cps   |
| Silver     | 107-1 | 408     | 400      | 417     | 408     | 2.04   | cps   |
| Sodium     | 23-2  | 19305   | 17578    | 17436   | 18106   | 5.75   | cps   |
| Strontium  | 86-1  | 467     | 408      | 575     | 483     | 17.50  | cps   |
| Strontium  | 88-1  | 675     | 542      | 442     | 553     | 21.18  | cps   |
| Sulfur     | 34-1  | 232834  | 230084   | 235262  | 232727  | 1.11   | cps   |
| Terbium    | 159-1 | 9893291 | 10007494 | 9947545 | 9949444 | 0.57   | cps   |
| Terbium    | 159-2 | 5559705 | 5614381  | 5560766 | 5578284 | 0.56   | cps   |
| Thallium   | 203-1 | 2100    | 1684     | 1792    | 1859    | 11.63  | cps   |
| Thallium   | 205-1 | 4584    | 4226     | 3967    | 4259    | 7.27   | cps   |
| Thorium    | 232-1 | 2061    | 2156     | 1711    | 1976    | 11.85  | cps   |
| Tin        | 118-1 | 1008    | 1125     | 1408    | 1181    | 17.43  | cps   |
| Titanium   | 47-1  | 150     | 183      | 192     | 175     | 12.60  | cps   |
| Uranium    | 238-1 | 950     | 700      | 642     | 764     | 21.44  | cps   |
| Vanadium   | 51-2  | 37      | 40       | 57      | 44      | 24.11  | cps   |
| Yttrium    | 89-1  | 7008398 | 7088766  | 7044580 | 7047248 | 0.57   | cps   |
| Yttrium    | 89-2  | 1170673 | 1177136  | 1174744 | 1174185 | 0.28   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB95               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB95               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:47:16 | DataFile Name :   | 038CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 153  | 170  | 157  | 160     | 5.51   | cps   |
| Zirconium | 90-1 | 1242 | 800  | 1042 | 1028    | 21.52  | cps   |
| Zirconium | 91-1 | 267  | 217  | 192  | 225     | 16.97  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-BOYS-BR-A    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:50:52 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 767      | 725      | 642      | 711      | 8.95   | cps   |
| Antimony   | 121-1 | 1283     | 1308     | 1408     | 1333     | 4.96   | cps   |
| Arsenic    | 75-1  | 539      | 294      | 492      | 441      | 29.44  | cps   |
| Barium     | 135-1 | 188366   | 188325   | 191012   | 189234   | 0.81   | cps   |
| Barium     | 137-1 | 326966   | 328553   | 325791   | 327103   | 0.42   | cps   |
| Beryllium  | 9-1   | 157      | 130      | 197      | 161      | 20.83  | cps   |
| Bismuth    | 209-1 | 6368241  | 6352928  | 6418899  | 6380023  | 0.54   | cps   |
| Bismuth    | 209-2 | 4154870  | 4196651  | 4172970  | 4174830  | 0.50   | cps   |
| Boron      | 10-1  | 13715    | 13924    | 13607    | 13748    | 1.17   | cps   |
| Boron      | 11-1  | 60438    | 61894    | 59936    | 60756    | 1.67   | cps   |
| Cadmium    | 111-1 | 1842     | 2136     | 1957     | 1978     | 7.47   | cps   |
| Cadmium    | 106-1 | 2584     | 2942     | 2767     | 2764     | 6.48   | cps   |
| Cadmium    | 108-1 | 29       | 4        | 13       | 15       | 83.31  | cps   |
| Calcium    | 43-1  | 1021140  | 1020291  | 1015149  | 1018860  | 0.32   | cps   |
| Calcium    | 44-1  | 16816700 | 16867151 | 16881652 | 16855168 | 0.20   | cps   |
| Chromium   | 52-2  | 1357     | 1363     | 1347     | 1356     | 0.62   | cps   |
| Cobalt     | 59-2  | 193      | 220      | 200      | 204      | 6.79   | cps   |
| Copper     | 63-2  | 40640    | 40637    | 40697    | 40658    | 0.08   | cps   |
| Dysprosium | 156-1 | 42       | 58       | 0        | 33       | 90.14  | cps   |
| Dysprosium | 156-2 | 37       | 27       | 20       | 28       | 30.20  | cps   |
| Erbium     | 164-1 | 50       | 58       | 75       | 61       | 20.83  | cps   |
| Erbium     | 164-2 | 57       | 40       | 43       | 47       | 18.90  | cps   |
| Gadolinium | 160-1 | 83       | 75       | 83       | 81       | 5.98   | cps   |
| Gadolinium | 160-2 | 173      | 183      | 193      | 183      | 5.45   | cps   |
| Holmium    | 165-1 | 9078587  | 9212514  | 9213794  | 9168299  | 0.85   | cps   |
| Holmium    | 165-2 | 5421881  | 5440209  | 5410285  | 5424125  | 0.28   | cps   |
| Indium     | 115-1 | 6304332  | 6347638  | 6417582  | 6356517  | 0.90   | cps   |
| Indium     | 115-2 | 1484736  | 1511836  | 1493618  | 1496730  | 0.92   | cps   |
| Iron       | 56-2  | 38629    | 39186    | 38534    | 38783    | 0.91   | cps   |
| Iron       | 57-2  | 7886     | 8503     | 8147     | 8178     | 3.79   | cps   |
| Krypton    | 83-1  | 227      | 223      | 227      | 226      | 0.85   | cps   |
| Lead       | 206-1 | 3656     | 3701     | 3528     | 3628     | 2.47   | cps   |
| Lead       | 207-1 | 2967     | 3000     | 3228     | 3065     | 4.64   | cps   |
| Lead       | 208-1 | 14203    | 14081    | 14498    | 14261    | 1.50   | cps   |
| Lithium    | 6-1   | 2337516  | 2351707  | 2354894  | 2348039  | 0.39   | cps   |
| Magnesium  | 24-2  | 2618781  | 2671548  | 2644579  | 2644969  | 1.00   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-BOYS-BR-A    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:50:52 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 10511    | 10647    | 10744    | 10634    | 1.10   | cps   |
| Molybdenum | 94-1  | 1025     | 783      | 825      | 878      | 14.72  | cps   |
| Molybdenum | 95-1  | 1075     | 950      | 1075     | 1033     | 6.98   | cps   |
| Molybdenum | 96-1  | 1083     | 1058     | 1258     | 1133     | 9.61   | cps   |
| Molybdenum | 97-1  | 600      | 642      | 567      | 603      | 6.23   | cps   |
| Molybdenum | 98-1  | 1600     | 1759     | 1575     | 1645     | 6.05   | cps   |
| Neodymium  | 150-1 | 47       | 33       | 53       | 44       | 22.92  | cps   |
| Neodymium  | 150-2 | 13       | 13       | 17       | 14       | 13.35  | cps   |
| Nickel     | 60-2  | 877      | 887      | 807      | 857      | 5.09   | cps   |
| Phosphorus | 31-2  | 825      | 942      | 1058     | 942      | 12.39  | cps   |
| Potassium  | 39-2  | 221158   | 226962   | 226327   | 224815   | 1.42   | cps   |
| Rhodium    | 103-1 | 5454042  | 5540949  | 5629547  | 5541513  | 1.58   | cps   |
| Rhodium    | 103-2 | 2853695  | 2883129  | 2866591  | 2867805  | 0.51   | cps   |
| Scandium   | 45-1  | 3963052  | 3978133  | 4003178  | 3981454  | 0.51   | cps   |
| Scandium   | 45-2  | 195306   | 198750   | 196859   | 196972   | 0.88   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 43       | 46       | 43       | 44       | 4.89   | cps   |
| Selenium   | 82-1  | 112      | 135      | 63       | 103      | 35.20  | cps   |
| Silicon    | 28-1  | 39919251 | 39797888 | 39946304 | 39887814 | 0.20   | cps   |
| Silver     | 109-1 | 275      | 183      | 100      | 186      | 47.03  | cps   |
| Silver     | 107-1 | 167      | 183      | 200      | 183      | 9.09   | cps   |
| Sodium     | 23-2  | 12472362 | 12575854 | 12525661 | 12524626 | 0.41   | cps   |
| Strontium  | 86-1  | 289124   | 298130   | 295347   | 294200   | 1.57   | cps   |
| Strontium  | 88-1  | 2560807  | 2579915  | 2597090  | 2579271  | 0.70   | cps   |
| Sulfur     | 34-1  | 553542   | 549490   | 550643   | 551225   | 0.38   | cps   |
| Terbium    | 159-1 | 9385499  | 9423717  | 9434103  | 9414440  | 0.27   | cps   |
| Terbium    | 159-2 | 5234868  | 5358849  | 5365115  | 5319611  | 1.38   | cps   |
| Thallium   | 203-1 | 950      | 925      | 933      | 936      | 1.36   | cps   |
| Thallium   | 205-1 | 2475     | 2484     | 2434     | 2464     | 1.09   | cps   |
| Thorium    | 232-1 | 856      | 889      | 750      | 832      | 8.72   | cps   |
| Tin        | 118-1 | 867      | 800      | 817      | 828      | 4.19   | cps   |
| Titanium   | 47-1  | 892      | 992      | 850      | 911      | 7.99   | cps   |
| Uranium    | 238-1 | 11164    | 10972    | 11305    | 11147    | 1.50   | cps   |
| Vanadium   | 51-2  | 1837     | 1897     | 1853     | 1862     | 1.66   | cps   |
| Yttrium    | 89-1  | 6489741  | 6585654  | 6617244  | 6564213  | 1.01   | cps   |
| Yttrium    | 89-2  | 1101718  | 1103665  | 1099338  | 1101573  | 0.20   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | 2ND-F1-BOYS-BR-A    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:50:52 | DataFile Name :   | 039SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 4051 | 4127 | 4167 | 4115    | 1.44   | cps   |
| Zirconium | 90-1 | 883  | 583  | 700  | 722     | 20.94  | cps   |
| Zirconium | 91-1 | 175  | 175  | 208  | 186     | 10.34  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2912-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390502112           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:58:04 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 200     | 117     | 200     | 172     | 27.94  | cps   |
| Antimony   | 121-1 | 492     | 533     | 550     | 525     | 5.72   | cps   |
| Arsenic    | 75-1  | -81     | -135    | -120    | -112    | -24.87 | cps   |
| Barium     | 135-1 | 75      | 92      | 75      | 81      | 11.95  | cps   |
| Barium     | 137-1 | 100     | 108     | 108     | 106     | 4.56   | cps   |
| Beryllium  | 9-1   | 97      | 77      | 123     | 99      | 23.68  | cps   |
| Bismuth    | 209-1 | 6273595 | 6355056 | 6424092 | 6350914 | 1.19   | cps   |
| Bismuth    | 209-2 | 4190944 | 4179270 | 4195727 | 4188647 | 0.20   | cps   |
| Boron      | 10-1  | 1967    | 1725    | 1667    | 1786    | 8.91   | cps   |
| Boron      | 11-1  | 8019    | 7536    | 7060    | 7538    | 6.36   | cps   |
| Cadmium    | 111-1 | 1668    | 1714    | 1716    | 1699    | 1.61   | cps   |
| Cadmium    | 106-1 | 2325    | 2434    | 2434    | 2398    | 2.61   | cps   |
| Cadmium    | 108-1 | 8       | 21      | 0       | 10      | 107.86 | cps   |
| Calcium    | 43-1  | 192     | 167     | 175     | 178     | 7.16   | cps   |
| Calcium    | 44-1  | 6052    | 5793    | 5876    | 5907    | 2.23   | cps   |
| Chromium   | 52-2  | 1007    | 940     | 970     | 972     | 3.43   | cps   |
| Cobalt     | 59-2  | 27      | 37      | 27      | 30      | 19.24  | cps   |
| Copper     | 63-2  | 487     | 533     | 510     | 510     | 4.58   | cps   |
| Dysprosium | 156-1 | 25      | 8       | 17      | 17      | 50.01  | cps   |
| Dysprosium | 156-2 | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 8       | 17      | 50      | 25      | 88.19  | cps   |
| Erbium     | 164-2 | 3       | 30      | 0       | 11      | 148.01 | cps   |
| Gadolinium | 160-1 | 8       | 67      | 42      | 39      | 75.26  | cps   |
| Gadolinium | 160-2 | 163     | 147     | 160     | 157     | 5.63   | cps   |
| Holmium    | 165-1 | 8737334 | 8856846 | 8884949 | 8826376 | 0.89   | cps   |
| Holmium    | 165-2 | 5250590 | 5295032 | 5299194 | 5281606 | 0.51   | cps   |
| Indium     | 115-1 | 6169303 | 6256831 | 6234984 | 6220373 | 0.73   | cps   |
| Indium     | 115-2 | 1468765 | 1468017 | 1483342 | 1473375 | 0.59   | cps   |
| Iron       | 56-2  | 7713    | 7608    | 7691    | 7671    | 0.73   | cps   |
| Iron       | 57-2  | 289     | 283     | 183     | 252     | 23.59  | cps   |
| Krypton    | 83-1  | 177     | 253     | 233     | 221     | 17.99  | cps   |
| Lead       | 206-1 | 483     | 667     | 572     | 574     | 15.97  | cps   |
| Lead       | 207-1 | 406     | 417     | 422     | 415     | 2.04   | cps   |
| Lead       | 208-1 | 2095    | 2200    | 2111    | 2135    | 2.66   | cps   |
| Lithium    | 6-1   | 2219867 | 2246614 | 2266506 | 2244329 | 1.04   | cps   |
| Magnesium  | 24-2  | 308     | 392     | 308     | 336     | 14.31  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2912-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390502112           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:58:04 | DataFile Name :   | 041SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 127     | 163     | 123     | 138     | 16.11  | cps   |
| Molybdenum | 94-1  | 358     | 250     | 267     | 292     | 20.00  | cps   |
| Molybdenum | 95-1  | 208     | 158     | 225     | 197     | 17.59  | cps   |
| Molybdenum | 96-1  | 333     | 242     | 158     | 244     | 35.81  | cps   |
| Molybdenum | 97-1  | 100     | 100     | 108     | 103     | 4.68   | cps   |
| Molybdenum | 98-1  | 333     | 300     | 392     | 342     | 13.58  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 107     | 110     | 93      | 103     | 8.54   | cps   |
| Phosphorus | 31-2  | 167     | 100     | 117     | 128     | 27.16  | cps   |
| Potassium  | 39-2  | 12572   | 12314   | 12864   | 12584   | 2.19   | cps   |
| Rhodium    | 103-1 | 5312711 | 5406848 | 5570732 | 5430097 | 2.40   | cps   |
| Rhodium    | 103-2 | 2854859 | 2870158 | 2884747 | 2869921 | 0.52   | cps   |
| Scandium   | 45-1  | 3774985 | 3787229 | 3830899 | 3797704 | 0.77   | cps   |
| Scandium   | 45-2  | 190410  | 189140  | 190616  | 190055  | 0.42   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 37      | 46      | 35      | 40      | 15.07  | cps   |
| Selenium   | 82-1  | 73      | -20     | 43      | 32      | 148.14 | cps   |
| Silicon    | 28-1  | 131650  | 132029  | 136492  | 133390  | 2.02   | cps   |
| Silver     | 109-1 | 92      | 83      | 75      | 83      | 10.00  | cps   |
| Silver     | 107-1 | 133     | 100     | 67      | 100     | 33.33  | cps   |
| Sodium     | 23-2  | 5760    | 5301    | 5576    | 5546    | 4.16   | cps   |
| Strontium  | 86-1  | 433     | 300     | 375     | 369     | 18.09  | cps   |
| Strontium  | 88-1  | 317     | 408     | 250     | 325     | 24.46  | cps   |
| Sulfur     | 34-1  | 218352  | 218395  | 216973  | 217907  | 0.37   | cps   |
| Terbium    | 159-1 | 9035490 | 9126502 | 9155362 | 9105785 | 0.69   | cps   |
| Terbium    | 159-2 | 5172137 | 5178541 | 5202099 | 5184259 | 0.30   | cps   |
| Thallium   | 203-1 | 608     | 508     | 492     | 536     | 11.77  | cps   |
| Thallium   | 205-1 | 1283    | 1175    | 1208    | 1222    | 4.54   | cps   |
| Thorium    | 232-1 | 483     | 461     | 361     | 435     | 14.96  | cps   |
| Tin        | 118-1 | 500     | 442     | 583     | 508     | 14.01  | cps   |
| Titanium   | 47-1  | 250     | 367     | 233     | 283     | 25.64  | cps   |
| Uranium    | 238-1 | 17      | 33      | 8       | 19      | 65.47  | cps   |
| Vanadium   | 51-2  | 10      | 10      | 10      | 10      | 0.00   | cps   |
| Yttrium    | 89-1  | 6311342 | 6318783 | 6420691 | 6350272 | 0.96   | cps   |
| Yttrium    | 89-2  | 1074597 | 1064741 | 1079090 | 1072809 | 0.68   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2912-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | 390502112           | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 13:58:04 | DataFile Name :   | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 680  | 633  | 597  | 637     | 6.56   | cps   |
| Zirconium | 90-1 | 675  | 592  | 600  | 622     | 7.38   | cps   |
| Zirconium | 91-1 | 117  | 83   | 150  | 117     | 28.57  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | FIELD-BLANK         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:14:15 | DataFile Name :   | 042SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 625     | 433     | 642     | 567     | 20.43  | cps   |
| Antimony   | 121-1 | 383     | 417     | 442     | 414     | 7.07   | cps   |
| Arsenic    | 75-1  | -159    | -160    | -231    | -184    | -22.50 | cps   |
| Barium     | 135-1 | 108     | 142     | 83      | 111     | 26.34  | cps   |
| Barium     | 137-1 | 133     | 158     | 133     | 142     | 10.19  | cps   |
| Beryllium  | 9-1   | 70      | 80      | 93      | 81      | 14.44  | cps   |
| Bismuth    | 209-1 | 5978128 | 6237813 | 6286199 | 6167380 | 2.69   | cps   |
| Bismuth    | 209-2 | 4067695 | 4098852 | 4087794 | 4084780 | 0.39   | cps   |
| Boron      | 10-1  | 958     | 917     | 883     | 920     | 4.09   | cps   |
| Boron      | 11-1  | 4776    | 4934    | 4559    | 4757    | 3.96   | cps   |
| Cadmium    | 111-1 | 1674    | 1691    | 1997    | 1788    | 10.18  | cps   |
| Cadmium    | 106-1 | 2392    | 2409    | 2842    | 2548    | 10.02  | cps   |
| Cadmium    | 108-1 | 13      | 4       | 13      | 10      | 49.46  | cps   |
| Calcium    | 43-1  | 725     | 650     | 483     | 619     | 19.97  | cps   |
| Calcium    | 44-1  | 13182   | 13774   | 13515   | 13490   | 2.20   | cps   |
| Chromium   | 52-2  | 1110    | 1097    | 1093    | 1100    | 0.80   | cps   |
| Cobalt     | 59-2  | 70      | 63      | 40      | 58      | 27.26  | cps   |
| Copper     | 63-2  | 907     | 943     | 1013    | 954     | 5.68   | cps   |
| Dysprosium | 156-1 | 0       | 17      | 33      | 17      | 99.99  | cps   |
| Dysprosium | 156-2 | 13      | 10      | 0       | 8       | 89.21  | cps   |
| Erbium     | 164-1 | 25      | 17      | 25      | 22      | 21.64  | cps   |
| Erbium     | 164-2 | 13      | 10      | 43      | 22      | 82.62  | cps   |
| Gadolinium | 160-1 | 75      | 58      | 25      | 53      | 48.24  | cps   |
| Gadolinium | 160-2 | 107     | 137     | 150     | 131     | 16.93  | cps   |
| Holmium    | 165-1 | 8570162 | 8726345 | 8715037 | 8670515 | 1.00   | cps   |
| Holmium    | 165-2 | 5186567 | 5250557 | 5222851 | 5219992 | 0.61   | cps   |
| Indium     | 115-1 | 6068851 | 6137498 | 6169739 | 6125363 | 0.84   | cps   |
| Indium     | 115-2 | 1446574 | 1447848 | 1455701 | 1450041 | 0.34   | cps   |
| Iron       | 56-2  | 3300    | 3412    | 3417    | 3376    | 1.95   | cps   |
| Iron       | 57-2  | 94      | 94      | 122     | 104     | 15.47  | cps   |
| Krypton    | 83-1  | 253     | 260     | 293     | 269     | 7.97   | cps   |
| Lead       | 206-1 | 378     | 394     | 428     | 400     | 6.37   | cps   |
| Lead       | 207-1 | 383     | 406     | 350     | 380     | 7.37   | cps   |
| Lead       | 208-1 | 1545    | 1667    | 1706    | 1639    | 5.13   | cps   |
| Lithium    | 6-1   | 2246280 | 2271859 | 2279589 | 2265909 | 0.77   | cps   |
| Magnesium  | 24-2  | 417     | 383     | 517     | 439     | 15.81  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | FIELD-BLANK         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:14:15 | DataFile Name :   | 042SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 73      | 117     | 103     | 98      | 22.70  | cps   |
| Molybdenum | 94-1  | 275     | 267     | 233     | 258     | 8.54   | cps   |
| Molybdenum | 95-1  | 167     | 92      | 67      | 108     | 48.04  | cps   |
| Molybdenum | 96-1  | 150     | 167     | 150     | 156     | 6.19   | cps   |
| Molybdenum | 97-1  | 8       | 50      | 83      | 47      | 79.58  | cps   |
| Molybdenum | 98-1  | 183     | 183     | 150     | 172     | 11.17  | cps   |
| Neodymium  | 150-1 | 13      | 0       | 7       | 7       | 99.98  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 103     | 123     | 127     | 118     | 10.71  | cps   |
| Phosphorus | 31-2  | 167     | 142     | 158     | 156     | 8.18   | cps   |
| Potassium  | 39-2  | 12698   | 13465   | 12589   | 12917   | 3.70   | cps   |
| Rhodium    | 103-1 | 5254223 | 5355139 | 5380273 | 5329878 | 1.25   | cps   |
| Rhodium    | 103-2 | 2826291 | 2850157 | 2831484 | 2835977 | 0.44   | cps   |
| Scandium   | 45-1  | 3764045 | 3833220 | 3802157 | 3799808 | 0.91   | cps   |
| Scandium   | 45-2  | 186366  | 188654  | 187780  | 187600  | 0.62   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 50      | 48      | 52      | 50      | 3.70   | cps   |
| Selenium   | 82-1  | 44      | 10      | 3       | 19      | 114.68 | cps   |
| Silicon    | 28-1  | 143860  | 146074  | 149364  | 146433  | 1.89   | cps   |
| Silver     | 109-1 | 83      | 75      | 50      | 69      | 24.98  | cps   |
| Silver     | 107-1 | 125     | 108     | 83      | 106     | 19.87  | cps   |
| Sodium     | 23-2  | 7319    | 7035    | 7077    | 7144    | 2.14   | cps   |
| Strontium  | 86-1  | 758     | 575     | 650     | 661     | 13.94  | cps   |
| Strontium  | 88-1  | 2192    | 2325    | 1917    | 2145    | 9.71   | cps   |
| Sulfur     | 34-1  | 236692  | 241363  | 234636  | 237563  | 1.45   | cps   |
| Terbium    | 159-1 | 8810054 | 9022391 | 9044017 | 8958820 | 1.44   | cps   |
| Terbium    | 159-2 | 5082494 | 5146884 | 5097923 | 5109100 | 0.66   | cps   |
| Thallium   | 203-1 | 233     | 192     | 267     | 231     | 16.30  | cps   |
| Thallium   | 205-1 | 750     | 692     | 592     | 678     | 11.81  | cps   |
| Thorium    | 232-1 | 322     | 400     | 378     | 367     | 10.93  | cps   |
| Tin        | 118-1 | 533     | 683     | 658     | 625     | 12.86  | cps   |
| Titanium   | 47-1  | 117     | 75      | 58      | 83      | 36.05  | cps   |
| Uranium    | 238-1 | 0       | 33      | 42      | 25      | 88.19  | cps   |
| Vanadium   | 51-2  | 7       | 7       | 0       | 4       | 86.60  | cps   |
| Yttrium    | 89-1  | 6169803 | 6274527 | 6288937 | 6244422 | 1.04   | cps   |
| Yttrium    | 89-2  | 1060069 | 1052346 | 1056850 | 1056421 | 0.37   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | K2879-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | FIELD-BLANK         | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:14:15 | DataFile Name :   | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 410  | 387  | 353  | 383     | 7.43   | cps   |
| Zirconium | 90-1 | 542  | 550  | 567  | 553     | 2.30   | cps   |
| Zirconium | 91-1 | 167  | 125  | 108  | 133     | 22.54  | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV96               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV96               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 14:22:42 | DataFile Name :   | 044CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 3693985   | 3706740   | 3669309   | 3690011   | 0.52   | cps   |
| Antimony   | 121-1 | 3141298   | 3159175   | 3151433   | 3150635   | 0.28   | cps   |
| Arsenic    | 75-1  | 622334    | 619087    | 616407    | 619276    | 0.48   | cps   |
| Barium     | 135-1 | 4296973   | 4323913   | 4327832   | 4316239   | 0.39   | cps   |
| Barium     | 137-1 | 7658947   | 7751907   | 7659543   | 7690132   | 0.70   | cps   |
| Beryllium  | 9-1   | 811625    | 812967    | 815494    | 813362    | 0.24   | cps   |
| Bismuth    | 209-1 | 5745646   | 5745821   | 5719292   | 5736920   | 0.27   | cps   |
| Bismuth    | 209-2 | 3777067   | 3806712   | 3771781   | 3785187   | 0.50   | cps   |
| Boron      | 10-1  | 125922    | 126763    | 129576    | 127420    | 1.50   | cps   |
| Boron      | 11-1  | 543425    | 552353    | 559824    | 551867    | 1.49   | cps   |
| Cadmium    | 111-1 | 847259    | 836705    | 835613    | 839859    | 0.77   | cps   |
| Cadmium    | 106-1 | 99657     | 95781     | 95889     | 97109     | 2.27   | cps   |
| Cadmium    | 108-1 | 65296     | 65007     | 63717     | 64673     | 1.30   | cps   |
| Calcium    | 43-1  | 4571056   | 4615060   | 4565578   | 4583898   | 0.59   | cps   |
| Calcium    | 44-1  | 74578956  | 74939064  | 74388125  | 74635382  | 0.37   | cps   |
| Chromium   | 52-2  | 966925    | 968301    | 964436    | 966554    | 0.20   | cps   |
| Cobalt     | 59-2  | 1470607   | 1477697   | 1473136   | 1473813   | 0.24   | cps   |
| Copper     | 63-2  | 2060430   | 2070681   | 2063548   | 2064886   | 0.25   | cps   |
| Dysprosium | 156-1 | 125       | 125       | 125       | 125       | 0.00   | cps   |
| Dysprosium | 156-2 | 110       | 90        | 113       | 104       | 12.08  | cps   |
| Erbium     | 164-1 | 67        | 92        | 17        | 58        | 65.46  | cps   |
| Erbium     | 164-2 | 40        | 37        | 27        | 34        | 20.14  | cps   |
| Gadolinium | 160-1 | 50        | 83        | 83        | 72        | 26.65  | cps   |
| Gadolinium | 160-2 | 197       | 180       | 150       | 176       | 13.47  | cps   |
| Holmium    | 165-1 | 9087740   | 9176550   | 9120882   | 9128391   | 0.49   | cps   |
| Holmium    | 165-2 | 5308345   | 5332404   | 5282656   | 5307801   | 0.47   | cps   |
| Indium     | 115-1 | 5820042   | 5834799   | 5840295   | 5831712   | 0.18   | cps   |
| Indium     | 115-2 | 1354373   | 1359992   | 1358581   | 1357649   | 0.22   | cps   |
| Iron       | 56-2  | 198727921 | 197955099 | 197266743 | 197983254 | 0.37   | cps   |
| Iron       | 57-2  | 4870568   | 4886041   | 4916504   | 4891037   | 0.48   | cps   |
| Krypton    | 83-1  | 273       | 180       | 210       | 221       | 21.55  | cps   |
| Lead       | 206-1 | 3172628   | 3203690   | 3199879   | 3192066   | 0.53   | cps   |
| Lead       | 207-1 | 2844333   | 2859498   | 2837048   | 2846960   | 0.40   | cps   |
| Lead       | 208-1 | 13005751  | 13113243  | 12999365  | 13039453  | 0.49   | cps   |
| Lithium    | 6-1   | 2280643   | 2283851   | 2284764   | 2283086   | 0.09   | cps   |
| Magnesium  | 24-2  | 37440221  | 37402991  | 37491184  | 37444799  | 0.12   | cps   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : CCV96 Instrumnet Name : P7  
 Client Sample ID : CCV96 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 14:22:42 DataFile Name : 044CCV.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1270940  | 1275155  | 1276144  | 1274080  | 0.22   | cps   |
| Molybdenum | 94-1  | 6313658  | 6321057  | 6312386  | 6315700  | 0.07   | cps   |
| Molybdenum | 95-1  | 7447906  | 7510028  | 7484860  | 7480931  | 0.42   | cps   |
| Molybdenum | 96-1  | 8291473  | 8329314  | 8291647  | 8304145  | 0.26   | cps   |
| Molybdenum | 97-1  | 4590179  | 4570526  | 4562527  | 4574411  | 0.31   | cps   |
| Molybdenum | 98-1  | 12002954 | 11950302 | 11963740 | 11972332 | 0.23   | cps   |
| Neodymium  | 150-1 | 407      | 453      | 467      | 442      | 7.12   | cps   |
| Neodymium  | 150-2 | 73       | 53       | 93       | 73       | 27.28  | cps   |
| Nickel     | 60-2  | 363478   | 362698   | 364972   | 363716   | 0.32   | cps   |
| Phosphorus | 31-2  | 38634    | 37807    | 37465    | 37969    | 1.58   | cps   |
| Potassium  | 39-2  | 19083706 | 18984112 | 19026554 | 19031457 | 0.26   | cps   |
| Rhodium    | 103-1 | 4827831  | 4854956  | 4817071  | 4833286  | 0.40   | cps   |
| Rhodium    | 103-2 | 2525342  | 2537753  | 2519548  | 2527548  | 0.37   | cps   |
| Scandium   | 45-1  | 3719479  | 3729569  | 3706030  | 3718360  | 0.32   | cps   |
| Scandium   | 45-2  | 183504   | 184966   | 184122   | 184197   | 0.40   | cps   |
| Selenium   | 77-2  | 3310     | 3234     | 3374     | 3306     | 2.12   | cps   |
| Selenium   | 78-2  | 11043    | 10825    | 11071    | 10980    | 1.23   | cps   |
| Selenium   | 82-1  | 60676    | 60330    | 60812    | 60606    | 0.41   | cps   |
| Silicon    | 28-1  | 2639075  | 2693610  | 2739729  | 2690805  | 1.87   | cps   |
| Silver     | 109-1 | 3561222  | 3556167  | 3557693  | 3558361  | 0.07   | cps   |
| Silver     | 107-1 | 3718783  | 3702908  | 3686662  | 3702784  | 0.43   | cps   |
| Sodium     | 23-2  | 72457325 | 72131460 | 71740868 | 72109884 | 0.50   | cps   |
| Strontium  | 86-1  | 1063628  | 1064932  | 1059220  | 1062593  | 0.28   | cps   |
| Strontium  | 88-1  | 9472575  | 9526870  | 9456870  | 9485438  | 0.39   | cps   |
| Sulfur     | 34-1  | 580296   | 580752   | 571678   | 577575   | 0.89   | cps   |
| Terbium    | 159-1 | 9204000  | 9286285  | 9259401  | 9249895  | 0.45   | cps   |
| Terbium    | 159-2 | 5140599  | 5167977  | 5110837  | 5139804  | 0.56   | cps   |
| Thallium   | 203-1 | 3956232  | 3988846  | 3978896  | 3974658  | 0.42   | cps   |
| Thallium   | 205-1 | 9666375  | 9794751  | 9758765  | 9739964  | 0.68   | cps   |
| Thorium    | 232-1 | 15977921 | 16115515 | 16154031 | 16082489 | 0.58   | cps   |
| Tin        | 118-1 | 2703552  | 2719313  | 2730341  | 2717735  | 0.50   | cps   |
| Titanium   | 47-1  | 2050959  | 2053080  | 2043216  | 2049085  | 0.25   | cps   |
| Uranium    | 238-1 | 15879930 | 15947144 | 16038590 | 15955221 | 0.50   | cps   |
| Vanadium   | 51-2  | 808907   | 806327   | 802538   | 805924   | 0.40   | cps   |
| Yttrium    | 89-1  | 6189377  | 6203807  | 6170554  | 6187913  | 0.27   | cps   |
| Yttrium    | 89-2  | 1029741  | 1048026  | 1028598  | 1035455  | 1.05   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB102879            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV96               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV96               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-05-20 14:22:42 | DataFile Name :   | 044CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 359264  | 359434  | 358338  | 359012  | 0.16   | cps   |
| Zirconium | 90-1 | 5646899 | 5638005 | 5627802 | 5637569 | 0.17   | cps   |
| Zirconium | 91-1 | 1223956 | 1230298 | 1228931 | 1227728 | 0.27   | cps   |

LB Number : LB102879 Operator : Jaswal  
 Lab Sample ID : CCB96 Instrumnet Name : P7  
 Client Sample ID : CCB96 Dilution Factor : 1  
 Date & Time Acquired :: 2019-05-20 14:26:20 DataFile Name : 045CCBE.d

| Parameter  | Mass  | CPS1     | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|----------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 200      | 250     | 150     | 200     | 25.00  | cps   |
| Antimony   | 121-1 | 2634     | 2567    | 3042    | 2748    | 9.36   | cps   |
| Arsenic    | 75-1  | -92      | -90     | -78     | -87     | -8.75  | cps   |
| Barium     | 135-1 | 325      | 317     | 267     | 303     | 10.42  | cps   |
| Barium     | 137-1 | 567      | 500     | 475     | 514     | 9.22   | cps   |
| Beryllium  | 9-1   | 187      | 197     | 257     | 213     | 17.75  | cps   |
| Bismuth    | 209-1 | 7146859  | 7098793 | 7033780 | 7093144 | 0.80   | cps   |
| Bismuth    | 209-2 | 4493331  | 4500562 | 4482793 | 4492228 | 0.20   | cps   |
| Boron      | 10-1  | 5476     | 4934    | 4543    | 4984    | 9.41   | cps   |
| Boron      | 11-1  | 22676    | 20173   | 20064   | 20971   | 7.05   | cps   |
| Cadmium    | 111-1 | 2157     | 2061    | 2053    | 2090    | 2.78   | cps   |
| Cadmium    | 106-1 | 2892     | 2825    | 2809    | 2842    | 1.55   | cps   |
| Cadmium    | 108-1 | 13       | 13      | 13      | 13      | 0.00   | cps   |
| Calcium    | 43-1  | 450      | 250     | 442     | 381     | 29.73  | cps   |
| Calcium    | 44-1  | 8645     | 8253    | 7978    | 8292    | 4.04   | cps   |
| Chromium   | 52-2  | 387      | 303     | 323     | 338     | 12.88  | cps   |
| Cobalt     | 59-2  | 100      | 97      | 70      | 89      | 18.50  | cps   |
| Copper     | 63-2  | 510      | 530     | 500     | 513     | 2.98   | cps   |
| Dysprosium | 156-1 | 0        | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 3        | 7       | 3       | 4       | 43.40  | cps   |
| Erbium     | 164-1 | 25       | 25      | 25      | 25      | 0.00   | cps   |
| Erbium     | 164-2 | 37       | 17      | 20      | 24      | 43.83  | cps   |
| Gadolinium | 160-1 | 42       | 50      | 42      | 44      | 10.82  | cps   |
| Gadolinium | 160-2 | 120      | 190     | 137     | 149     | 24.56  | cps   |
| Holmium    | 165-1 | 10046577 | 9841536 | 9959003 | 9949039 | 1.03   | cps   |
| Holmium    | 165-2 | 5845417  | 5666188 | 5655991 | 5722532 | 1.86   | cps   |
| Indium     | 115-1 | 7002099  | 6910615 | 6962023 | 6958246 | 0.66   | cps   |
| Indium     | 115-2 | 1590749  | 1577580 | 1590180 | 1586170 | 0.47   | cps   |
| Iron       | 56-2  | 13607    | 12356   | 10966   | 12309   | 10.73  | cps   |
| Iron       | 57-2  | 406      | 339     | 272     | 339     | 19.67  | cps   |
| Krypton    | 83-1  | 210      | 223     | 210     | 214     | 3.59   | cps   |
| Lead       | 206-1 | 600      | 528     | 611     | 580     | 7.81   | cps   |
| Lead       | 207-1 | 572      | 572     | 483     | 543     | 9.46   | cps   |
| Lead       | 208-1 | 2461     | 2456    | 2239    | 2385    | 5.31   | cps   |
| Lithium    | 6-1   | 2643287  | 2625721 | 2632836 | 2633948 | 0.34   | cps   |
| Magnesium  | 24-2  | 2150     | 1750    | 1634    | 1845    | 14.69  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB96               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB96               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:26:20 | DataFile Name :   | 045CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 83       | 67       | 107      | 86       | 23.48  | cps   |
| Molybdenum | 94-1  | 2225     | 2150     | 1559     | 1978     | 18.46  | cps   |
| Molybdenum | 95-1  | 3009     | 2792     | 2384     | 2728     | 11.64  | cps   |
| Molybdenum | 96-1  | 3050     | 3034     | 2575     | 2887     | 9.34   | cps   |
| Molybdenum | 97-1  | 1984     | 1567     | 1492     | 1681     | 15.76  | cps   |
| Molybdenum | 98-1  | 4526     | 4359     | 3909     | 4265     | 7.48   | cps   |
| Neodymium  | 150-1 | 7        | 7        | 0        | 4        | 86.60  | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 53       | 37       | 53       | 48       | 20.13  | cps   |
| Phosphorus | 31-2  | 92       | 125      | 125      | 114      | 16.90  | cps   |
| Potassium  | 39-2  | 14149    | 13849    | 13890    | 13963    | 1.16   | cps   |
| Rhodium    | 103-1 | 6191546  | 6151709  | 6180878  | 6174711  | 0.33   | cps   |
| Rhodium    | 103-2 | 3085304  | 3081092  | 3076048  | 3080815  | 0.15   | cps   |
| Scandium   | 45-1  | 4285162  | 4242339  | 4256784  | 4261428  | 0.51   | cps   |
| Scandium   | 45-2  | 206931   | 206835   | 204987   | 206251   | 0.53   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 57       | 50       | 44       | 51       | 12.85  | cps   |
| Selenium   | 82-1  | 127      | 99       | 100      | 109      | 14.71  | cps   |
| Silicon    | 28-1  | 128152   | 123490   | 121751   | 124464   | 2.66   | cps   |
| Silver     | 109-1 | 617      | 417      | 483      | 506      | 20.14  | cps   |
| Silver     | 107-1 | 467      | 358      | 383      | 403      | 14.08  | cps   |
| Sodium     | 23-2  | 23962    | 23010    | 22009    | 22993    | 4.25   | cps   |
| Strontium  | 86-1  | 400      | 408      | 425      | 411      | 3.10   | cps   |
| Strontium  | 88-1  | 725      | 758      | 742      | 742      | 2.25   | cps   |
| Sulfur     | 34-1  | 224790   | 226538   | 225759   | 225696   | 0.39   | cps   |
| Terbium    | 159-1 | 10259593 | 10179229 | 10126275 | 10188366 | 0.66   | cps   |
| Terbium    | 159-2 | 5749182  | 5555410  | 5512458  | 5605683  | 2.25   | cps   |
| Thallium   | 203-1 | 1659     | 1267     | 1442     | 1456     | 13.48  | cps   |
| Thallium   | 205-1 | 3501     | 3584     | 3342     | 3476     | 3.53   | cps   |
| Thorium    | 232-1 | 2850     | 2695     | 2434     | 2660     | 7.92   | cps   |
| Tin        | 118-1 | 1375     | 1225     | 1233     | 1278     | 6.60   | cps   |
| Titanium   | 47-1  | 258      | 325      | 150      | 244      | 36.13  | cps   |
| Uranium    | 238-1 | 992      | 825      | 933      | 917      | 9.23   | cps   |
| Vanadium   | 51-2  | 23       | 13       | 33       | 23       | 42.86  | cps   |
| Yttrium    | 89-1  | 7128686  | 7048551  | 7056838  | 7078025  | 0.62   | cps   |
| Yttrium    | 89-2  | 1156135  | 1150850  | 1149136  | 1152040  | 0.32   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB102879            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB96               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB96               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-05-20 14:26:20 | DataFile Name :   | 045CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 173  | 123  | 173  | 157     | 18.43  | cps   |
| Zirconium | 90-1 | 1083 | 1158 | 950  | 1064    | 9.92   | cps   |
| Zirconium | 91-1 | 200  | 142  | 192  | 178     | 17.75  | cps   |