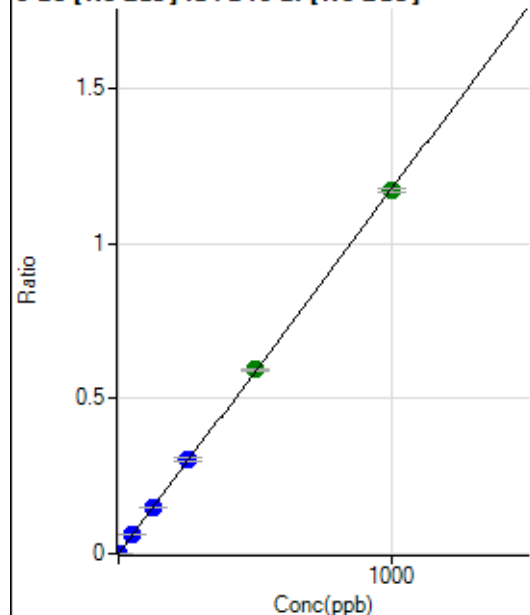


Batch Folder: D:\P8110218-MS.b\  
Analysis File: P8110218-MS.batch.bin  
DA Date-Time: 2018-11-02 16:19:07  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 004CALB.d          | S00         | 2018-11-02 14:18:36 |
| 2     |                    |             |                     |
| 3     | 006CALS.d          | S02         | 2018-11-02 14:26:14 |
| 4     | 007CALS.d          | S03         | 2018-11-02 14:29:58 |
| 5     | 008CALS.d          | S04         | 2018-11-02 14:33:40 |
| 6     | 009CALS.d          | S05         | 2018-11-02 14:37:14 |
| 7     | 010CALS.d          | S06         | 2018-11-02 14:40:42 |
| 8     | 011CALS.d          | S07         | 2018-11-02 14:44:05 |
| 9     | 012CALS.d          | S08         | 2018-11-02 14:47:25 |

**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      | 142.60     | 0.0001 | P    | 29.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.033      | 2889.26    | 0.0013 | P    | 4.9  |
| 4 | <input type="checkbox"/> | 50.000   | 51.010     | 132415.81  | 0.0599 | P    | 1.5  |
| 5 | <input type="checkbox"/> | 125.000  | 127.508    | 327808.23  | 0.1497 | P    | 1.3  |
| 6 | <input type="checkbox"/> | 250.000  | 258.139    | 651990.95  | 0.3031 | P    | 2.7  |
| 7 | <input type="checkbox"/> | 500.000  | 504.000    | 1285562.70 | 0.5917 | A    | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.601    | 2506412.01 | 1.1687 | A    | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 572.25     | 0.0003 | P    | 16.6 |

$$y = 0.0012 * x + 6.3881E-005$$

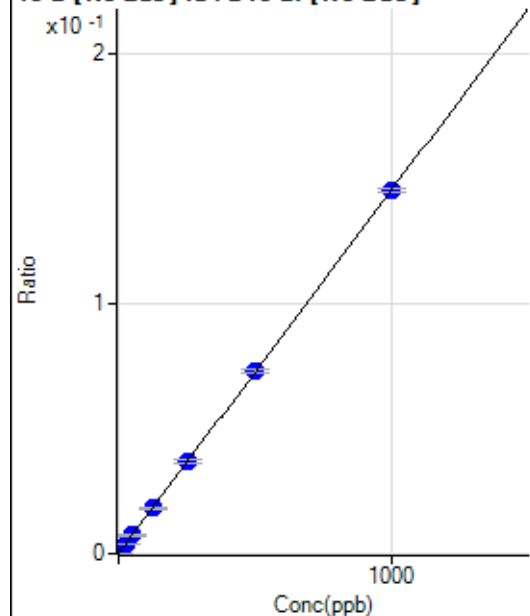
$$R = 1.0000$$

$$DL = 0.04729$$

$$BEC = 0.05442$$

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      | 202.79    | 0.0001 | P    | 12.5 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 25.000   | 25.379     | 8566.79   | 0.0038 | P    | 5.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.886     | 16237.61  | 0.0074 | P    | 2.1  |
| 5 | <input type="checkbox"/> | 125.000  | 125.144    | 40062.35  | 0.0183 | P    | 3.0  |
| 6 | <input type="checkbox"/> | 250.000  | 255.302    | 80098.76  | 0.0372 | P    | 4.6  |
| 7 | <input type="checkbox"/> | 500.000  | 501.295    | 158715.62 | 0.0730 | P    | 2.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.005    | 311665.27 | 0.1453 | P    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 6251.62   | 0.0032 | P    | 10.8 |

$$y = 1.4553E-004 * x + 9.0664E-005$$

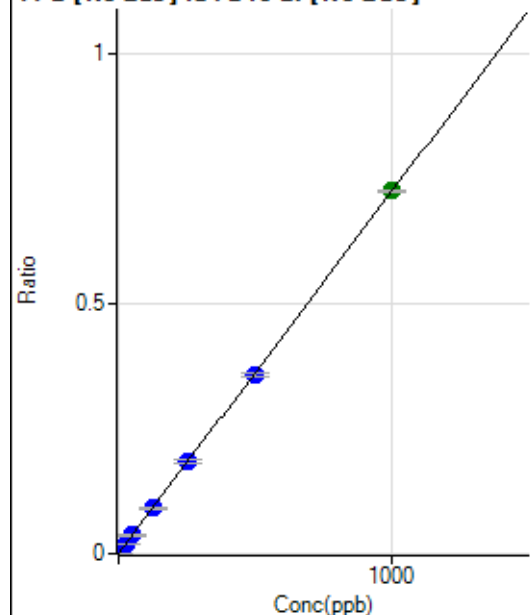
$$R = 1.0000$$

$$DL = 0.2328$$

$$BEC = 0.623$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1155.66    | 0.0005 | P   | 1.6 |
| 2 | <input type="checkbox"/> | 2.500    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 25.000   | 24.622     | 41575.28   | 0.0184 | P   | 3.0 |
| 4 | <input type="checkbox"/> | 50.000   | 49.825     | 80900.11   | 0.0366 | P   | 2.1 |
| 5 | <input type="checkbox"/> | 125.000  | 124.444    | 198505.45  | 0.0907 | P   | 3.2 |
| 6 | <input type="checkbox"/> | 250.000  | 252.372    | 394398.00  | 0.1834 | P   | 4.5 |
| 7 | <input type="checkbox"/> | 500.000  | 493.797    | 778597.52  | 0.3583 | P   | 1.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.596   | 1559275.61 | 0.7270 | A   | 0.5 |
| 9 | <input type="checkbox"/> |          |            | 30569.70   | 0.0154 | P   | 7.2 |

$$y = 7.2461\text{E-}004 * x + 5.1695\text{E-}004$$

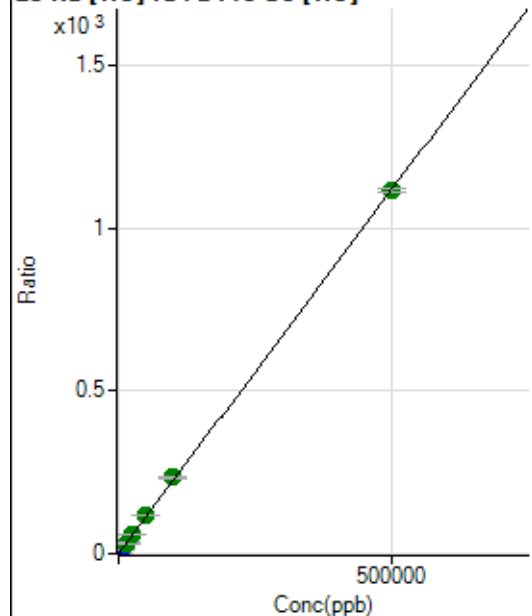
$$R = 1.0000$$

$$DL = 0.03442$$

$$BEC = 0.7134$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>j</sub><br>ct     | Conc.     | Calc Conc. | CPS         | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|-------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4178.58     | 0.0956    | P   | 8.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |           |     |     |
| 3 | <input type="checkbox"/> | 500.000   | 534.481    | 61143.30    | 1.2905    | P   | 2.3 |
| 4 | <input type="checkbox"/> | 5000.000  | 5549.892   | 554394.92   | 12.5034   | P   | 1.0 |
| 5 | <input type="checkbox"/> | 12500.000 | 14097.966  | 1398044.11  | 31.6141   | A   | 6.6 |
| 6 | <input type="checkbox"/> | 25000.000 | 26549.314  | 2721288.26  | 59.4513   | A   | 2.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 52426.233  | 5310007.41  | 117.3038  | A   | 0.8 |
| 8 | <input type="checkbox"/> | 100000.00 | 104527.94  | 10485439.91 | 233.7864  | A   | 2.0 |
| 9 | <input type="checkbox"/> | 500000.00 | 498728.83  | 51015834.82 | 1,115.092 | A   | 1.1 |

$$y = 0.0022 * x + 0.0956$$

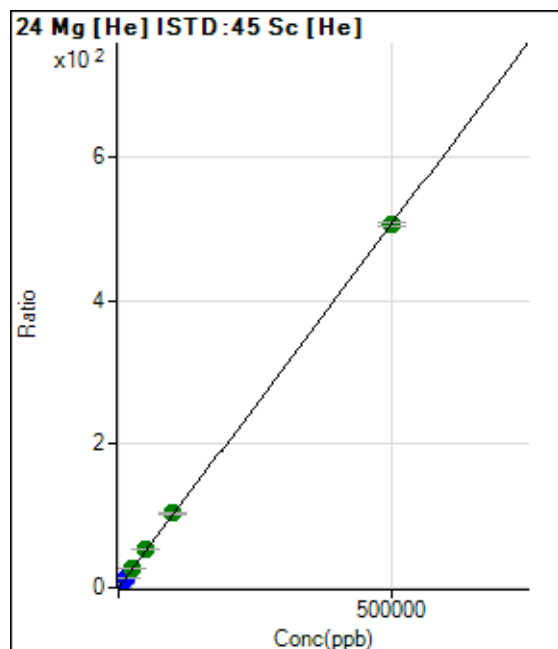
$$R = 1.0000$$

$$DL = 10.21$$

$$BEC = 42.76$$

Weight: &lt;None&gt;

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS         | Ratio    | Det | RSD  |
|---|--------------------------|-----------|------------|-------------|----------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 155.56      | 0.0035   | P   | 29.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |          |     |      |
| 3 | <input type="checkbox"/> | 500.000   | 538.515    | 25988.43    | 0.5486   | P   | 3.2  |
| 4 | <input type="checkbox"/> | 5000.000  | 5522.289   | 247993.40   | 5.5931   | P   | 1.2  |
| 5 | <input type="checkbox"/> | 12500.000 | 13814.239  | 618599.90   | 13.9860  | P   | 6.0  |
| 6 | <input type="checkbox"/> | 25000.000 | 26477.272  | 1226933.43  | 26.8033  | A   | 1.6  |
| 7 | <input type="checkbox"/> | 50000.000 | 52610.910  | 2410716.68  | 53.2552  | A   | 1.0  |
| 8 | <input type="checkbox"/> | 100000.00 | 102870.10  | 4669946.59  | 104.1266 | A   | 2.5  |
| 9 | <input type="checkbox"/> | 500000.00 | 499052.90  | 23110050.34 | 505.1351 | A   | 1.1  |

$$y = 0.0010 * x + 0.0035$$

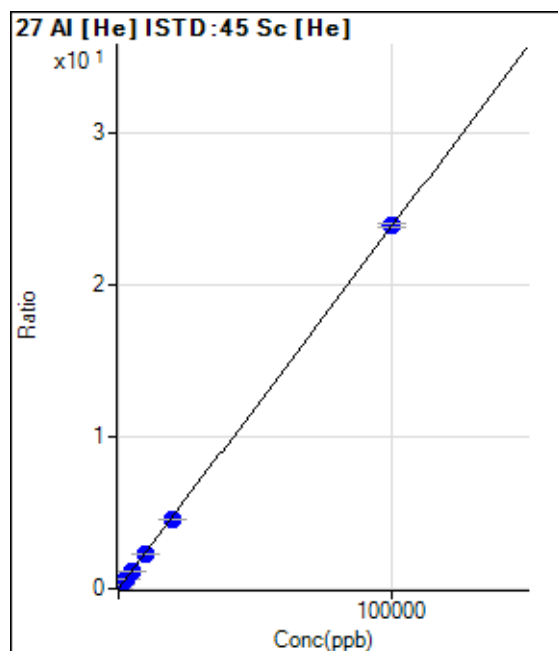
$$R = 1.0000$$

$$DL = 3.023$$

$$BEC = 3.473$$

Weight: <None>

Min Conc: 0



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 26.68      | 0.0006  | P   | 19.2 |
| 2 | <input type="checkbox"/> | 2.000     |            |            |         |     |      |
| 3 | <input type="checkbox"/> | 20.000    | 18.196     | 234.23     | 0.0049  | P   | 4.9  |
| 4 | <input type="checkbox"/> | 1000.000  | 1021.424   | 10821.93   | 0.2441  | P   | 3.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2519.624   | 26592.40   | 0.6012  | P   | 6.0  |
| 6 | <input type="checkbox"/> | 5000.000  | 4800.478   | 52409.77   | 1.1449  | P   | 1.5  |
| 7 | <input type="checkbox"/> | 10000.000 | 9641.785   | 104066.80  | 2.2990  | P   | 0.4  |
| 8 | <input type="checkbox"/> | 20000.000 | 19150.972  | 204771.12  | 4.5657  | P   | 2.4  |
| 9 | <input type="checkbox"/> | 100000.00 | 100214.89  | 1092952.05 | 23.8893 | P   | 1.0  |

$$y = 2.3838E-004 * x + 6.0518E-004$$

$$R = 1.0000$$

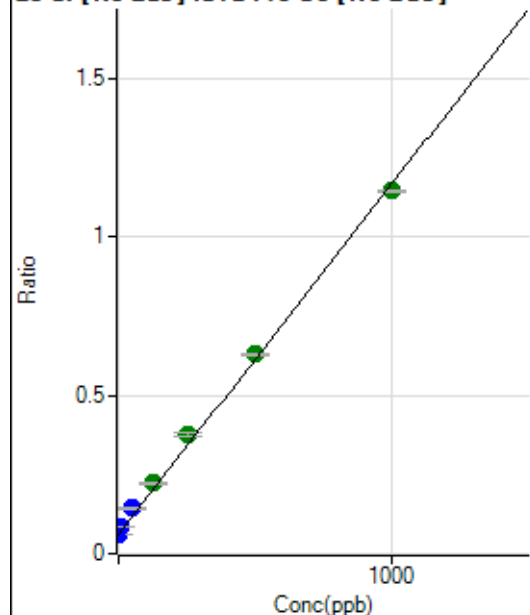
$$DL = 1.461$$

$$BEC = 2.539$$

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      | 379662.13  | 0.0619 | P    | 1.0 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 10.000   | 19.956     | 502193.70  | 0.0839 | P    | 0.7 |
| 4 | <input type="checkbox"/> | 50.000   | 73.485     | 832768.37  | 0.1431 | P    | 1.9 |
| 5 | <input type="checkbox"/> | 125.000  | 145.223    | 1296104.98 | 0.2223 | A    | 2.4 |
| 6 | <input type="checkbox"/> | 250.000  | 283.813    | 2123320.45 | 0.3754 | A    | 2.8 |
| 7 | <input type="checkbox"/> | 500.000  | 513.210    | 3660457.37 | 0.6288 | A    | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 981.140    | 6660613.21 | 1.1456 | A    | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 903278.05  | 0.1588 | P    | 2.3 |

$$y = 0.0011 * x + 0.0619$$

$$R = 0.9992$$

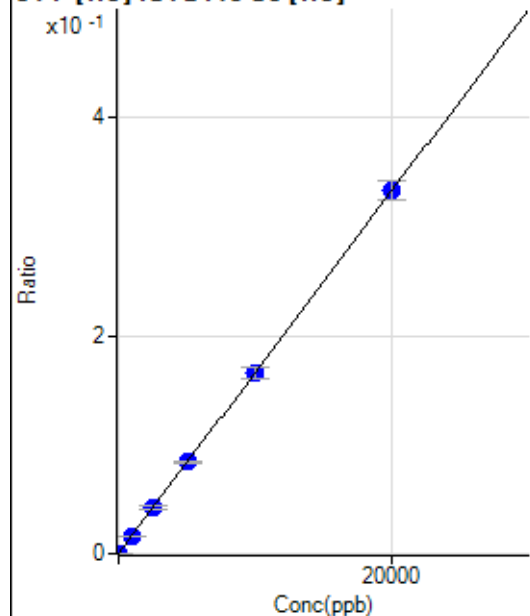
$$DL = 1.747$$

$$BEC = 56.03$$

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     | 3.957      | 13.89    | 0.0003 | P    | 90.1 |
| 2 | <input type="checkbox"/> | 0.000     |            |          |        |      |      |
| 3 | <input type="checkbox"/> | 0.000     | -3.957     | 8.33     | 0.0002 | P    | 100. |
| 4 | <input type="checkbox"/> | 1000.000  | 914.147    | 683.38   | 0.0154 | P    | 2.8  |
| 5 | <input type="checkbox"/> | 2500.000  | 2547.395   | 1880.77  | 0.0425 | P    | 5.2  |
| 6 | <input type="checkbox"/> | 5000.000  | 5048.327   | 3845.13  | 0.0840 | P    | 2.7  |
| 7 | <input type="checkbox"/> | 10000.000 | 9924.820   | 7466.21  | 0.1649 | P    | 6.4  |
| 8 | <input type="checkbox"/> | 20000.000 | 20023.877  | 14908.48 | 0.3325 | P    | 5.4  |
| 9 | <input type="checkbox"/> |           |            | 27.78    | 0.0006 | P    | 46.0 |

$$y = 1.6592E-005 * x + 2.4297E-004$$

$$R = 1.0000$$

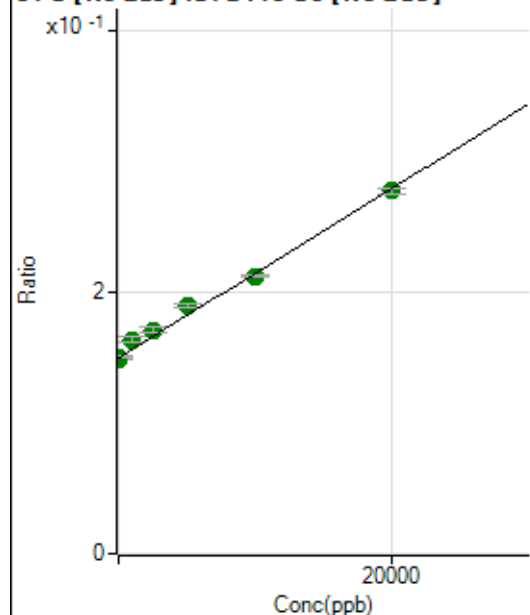
$$DL = 41.18$$

$$BEC = 14.64$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|-----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | -110.034   | 915619.28  | 0.1493 | A    | 1.6 |
| 2 | <input type="checkbox"/> | 0.000     |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 0.000     | 110.034    | 901583.84  | 0.1507 | A    | 1.3 |
| 4 | <input type="checkbox"/> | 1000.000  | 2176.439   | 955104.86  | 0.1641 | A    | 2.0 |
| 5 | <input type="checkbox"/> | 2500.000  | 3320.859   | 999705.14  | 0.1715 | A    | 3.2 |
| 6 | <input type="checkbox"/> | 5000.000  | 6167.652   | 1074546.27 | 0.1899 | A    | 1.9 |
| 7 | <input type="checkbox"/> | 10000.000 | 9654.547   | 1237269.16 | 0.2125 | A    | 0.6 |
| 8 | <input type="checkbox"/> | 20000.000 | 19719.384  | 1614723.51 | 0.2777 | A    | 1.4 |
| 9 | <input type="checkbox"/> |           |            | 757034.43  | 0.1331 | P    | 3.3 |

$$y = 6.4795\text{E-}006 * x + 0.1500$$

$$R = 0.9964$$

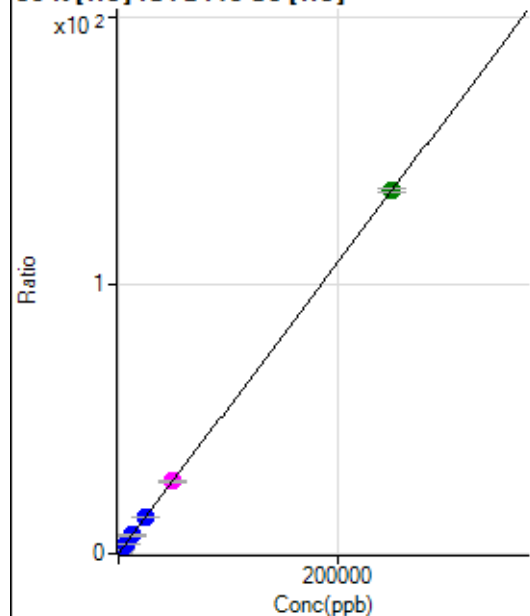
$$DL = 1008$$

$$BEC = 2.314\text{E}+04$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.     | Calc Conc. | CPS        | Ratio    | Det. | RSD |
|---|--------------------------|-----------|------------|------------|----------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4020.20    | 0.0920   | P    | 9.2 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |          |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 492.932    | 16980.42   | 0.3583   | P    | 4.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2641.005   | 67331.17   | 1.5186   | P    | 2.5 |
| 5 | <input type="checkbox"/> | 6250.000  | 6586.309   | 161422.04  | 3.6498   | P    | 6.1 |
| 6 | <input type="checkbox"/> | 12500.000 | 12446.001  | 311975.77  | 6.8150   | P    | 1.1 |
| 7 | <input type="checkbox"/> | 25000.000 | 24875.566  | 612420.57  | 13.5292  | P    | 0.7 |
| 8 | <input type="checkbox"/> | 50000.000 | 49824.677  | 1211228.60 | 27.0062  | M    | 2.1 |
| 9 | <input type="checkbox"/> | 250000.00 | 250040.40  | 6183508.73 | 135.1581 | A    | 1.1 |

$$y = 5.4018\text{E-}004 * x + 0.0920$$

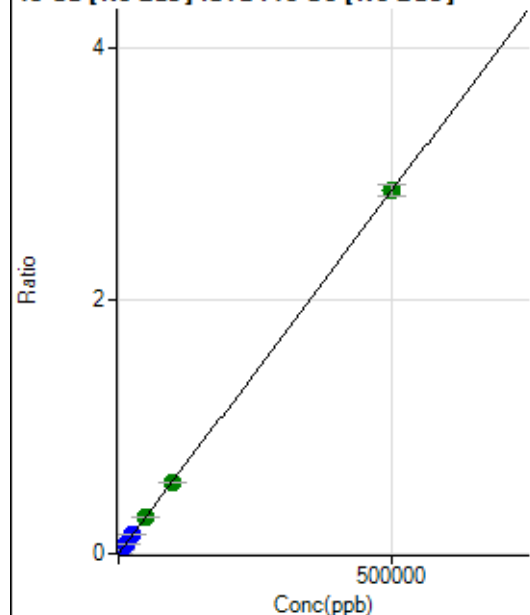
$$R = 1.0000$$

$$DL = 46.92$$

$$BEC = 170.3$$

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      | 922.30      | 0.0002 | P    | 6.0 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |        |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 492.570    | 17778.73    | 0.0030 | P    | 2.8 |
| 4 | <input type="checkbox"/> | 5000.000  | 4971.017   | 166583.61   | 0.0286 | P    | 3.2 |
| 5 | <input type="checkbox"/> | 12500.000 | 12436.345  | 416092.79   | 0.0714 | P    | 3.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 25712.967  | 833640.70   | 0.1474 | P    | 4.0 |
| 7 | <input type="checkbox"/> | 50000.000 | 49746.589  | 1659455.93  | 0.2851 | A    | 1.0 |
| 8 | <input type="checkbox"/> | 100000.00 | 98755.692  | 3289127.25  | 0.5657 | A    | 1.2 |
| 9 | <input type="checkbox"/> | 500000.00 | 500240.44  | 16295294.98 | 2.8651 | A    | 3.1 |

$$y = 5.7271\text{E-}006 * x + 1.5027\text{E-}004$$

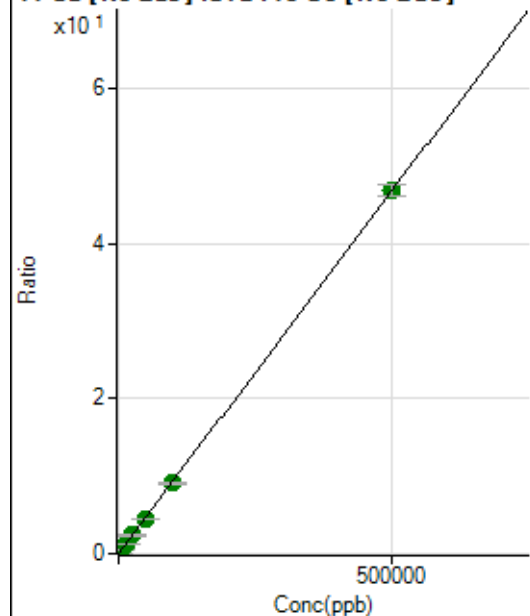
$$R = 1.0000$$

$$DL = 4.701$$

$$BEC = 26.24$$

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      | 34502.03    | 0.0056  | P    | 0.6 |
| 2 | <input type="checkbox"/> | 50.000    |            |             |         |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 491.837    | 308299.79   | 0.0515  | P    | 0.4 |
| 4 | <input type="checkbox"/> | 5000.000  | 4975.367   | 2735733.83  | 0.4699  | A    | 1.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12304.578  | 6727211.09  | 1.1539  | A    | 3.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 25299.753  | 13385775.82 | 2.3666  | A    | 3.2 |
| 7 | <input type="checkbox"/> | 50000.000 | 48565.414  | 26417381.67 | 4.5378  | A    | 0.8 |
| 8 | <input type="checkbox"/> | 100000.00 | 97110.804  | 52721235.21 | 9.0681  | A    | 1.0 |
| 9 | <input type="checkbox"/> | 500000.00 | 500711.45  | 265795136.5 | 46.7324 | A    | 3.1 |

$$y = 9.3321\text{E-}005 * x + 0.0056$$

$$R = 1.0000$$

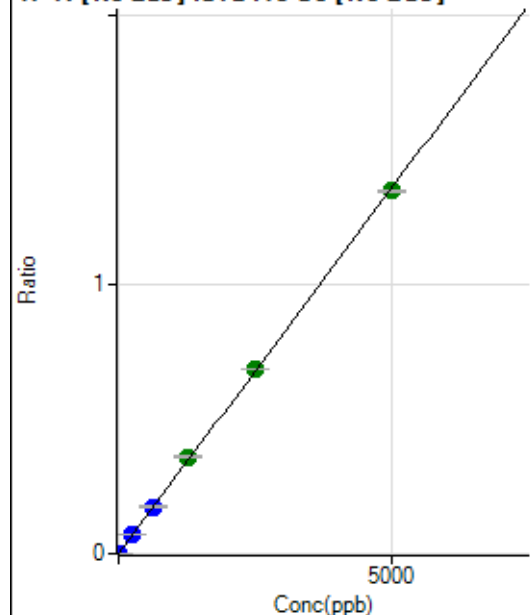
$$DL = 1.044$$

$$BEC = 60.26$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 152.78     | 0.0000 | P    | 6.3 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.172      | 8533.49    | 0.0014 | P    | 1.4 |
| 4 | <input type="checkbox"/> | 250.000  | 254.506    | 401524.53  | 0.0690 | P    | 1.6 |
| 5 | <input type="checkbox"/> | 625.000  | 637.575    | 1006964.44 | 0.1727 | P    | 3.6 |
| 6 | <input type="checkbox"/> | 1250.000 | 1323.805   | 2028570.34 | 0.3586 | A    | 3.2 |
| 7 | <input type="checkbox"/> | 2500.000 | 2527.906   | 3986956.77 | 0.6848 | A    | 0.3 |
| 8 | <input type="checkbox"/> | 5000.000 | 4965.798   | 7821332.12 | 1.3452 | A    | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 2447.56    | 0.0004 | P    | 4.4 |

$$y = 2.7090E-004 * x + 2.4903E-005$$

$$R = 0.9999$$

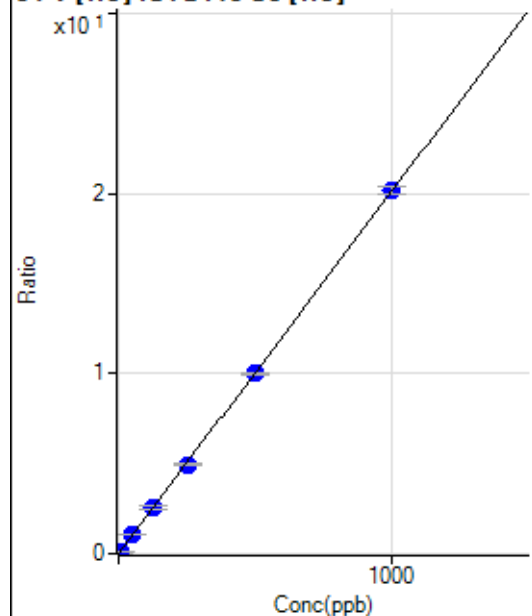
$$DL = 0.01747$$

$$BEC = 0.09193$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 7.78      | 0.0002  | P    | 88.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |           |         |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.900      | 4678.64   | 0.0988  | P    | 3.4  |
| 4 | <input type="checkbox"/> | 50.000   | 51.163     | 45644.31  | 1.0294  | P    | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 127.791    | 113708.45 | 2.5709  | P    | 6.1  |
| 6 | <input type="checkbox"/> | 250.000  | 246.950    | 227427.83 | 4.9680  | P    | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 496.691    | 452304.94 | 9.9920  | P    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 1002.011   | 904066.34 | 20.1574 | P    | 2.0  |
| 9 | <input type="checkbox"/> |          |            | 364.46    | 0.0080  | P    | 14.7 |

$$y = 0.0201 * x + 1.8227E-004$$

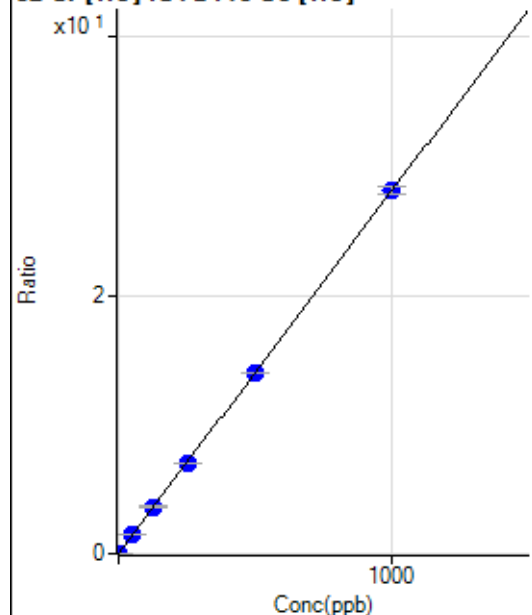
$$R = 1.0000$$

$$DL = 0.02412$$

$$BEC = 0.00906$$

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      | 496.69     | 0.0113  | P   | 3.1 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |         |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.132      | 3369.35    | 0.0711  | P   | 3.0 |
| 4 | <input type="checkbox"/> | 50.000   | 52.253     | 65452.34   | 1.4761  | P   | 0.8 |
| 5 | <input type="checkbox"/> | 125.000  | 129.491    | 161059.42  | 3.6414  | P   | 6.0 |
| 6 | <input type="checkbox"/> | 250.000  | 248.516    | 319434.39  | 6.9780  | P   | 1.1 |
| 7 | <input type="checkbox"/> | 500.000  | 497.903    | 632338.61  | 13.9690 | P   | 0.1 |
| 8 | <input type="checkbox"/> | 1000.000 | 1000.745   | 1258737.40 | 28.0652 | P   | 2.1 |
| 9 | <input type="checkbox"/> |          |            | 58866.57   | 1.2868  | P   | 1.6 |

$$y = 0.0280 * x + 0.0113$$

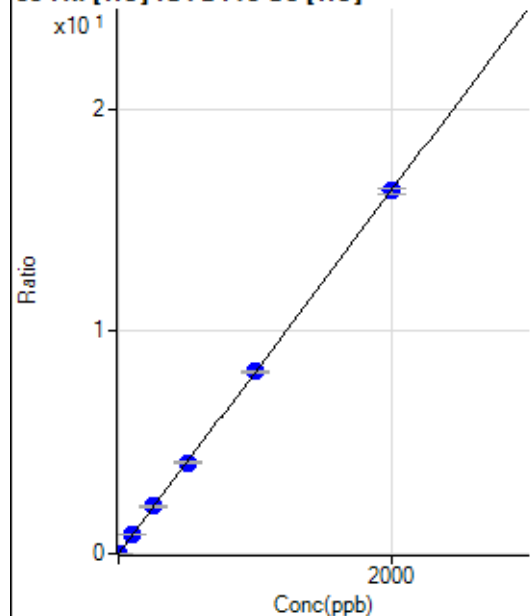
$$R = 1.0000$$

$$DL = 0.0372$$

$$BEC = 0.4044$$

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      | 28.89     | 0.0007  | P   | 27.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |         |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.059      | 441.13    | 0.0093  | P   | 5.8  |
| 4 | <input type="checkbox"/> | 100.000  | 105.060    | 38054.09  | 0.8582  | P   | 1.2  |
| 5 | <input type="checkbox"/> | 250.000  | 261.461    | 94425.24  | 2.1349  | P   | 6.1  |
| 6 | <input type="checkbox"/> | 500.000  | 500.678    | 187107.81 | 4.0876  | P   | 1.6  |
| 7 | <input type="checkbox"/> | 1000.000 | 1001.681   | 370153.54 | 8.1771  | P   | 0.4  |
| 8 | <input type="checkbox"/> | 2000.000 | 1997.304   | 731277.46 | 16.3042 | P   | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 5179.94   | 0.1132  | P   | 1.6  |

$$y = 0.0082 * x + 6.6311E-004$$

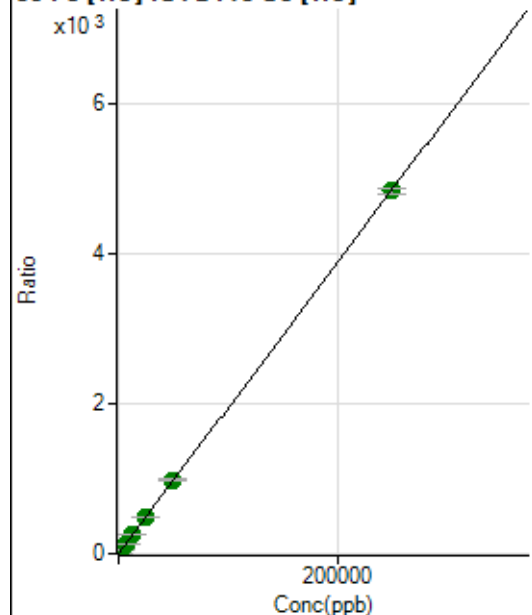
$$R = 1.0000$$

$$DL = 0.06718$$

$$BEC = 0.08124$$

Weight: &lt;None&gt;

Min Conc: 0

**56 Fe [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      | 1205.65     | 0.0276    | P   | 16.6 |
| 2 | <input type="checkbox"/> | 5.000     |            |             |           |     |      |
| 3 | <input type="checkbox"/> | 50.000    | 52.926     | 49945.22    | 1.0542    | P   | 2.3  |
| 4 | <input type="checkbox"/> | 2500.000  | 2740.054   | 2357703.26  | 53.1741   | A   | 1.3  |
| 5 | <input type="checkbox"/> | 6250.000  | 6623.774   | 5684262.69  | 128.5033  | A   | 5.7  |
| 6 | <input type="checkbox"/> | 12500.000 | 12663.661  | 11245235.44 | 245.6538  | A   | 1.2  |
| 7 | <input type="checkbox"/> | 25000.000 | 25462.287  | 22357263.23 | 493.8978  | A   | 0.7  |
| 8 | <input type="checkbox"/> | 50000.000 | 50802.407  | 44195830.62 | 985.3984  | A   | 2.0  |
| 9 | <input type="checkbox"/> | 250000.00 | 249773.36  | 221639523.4 | 4,844.667 | A   | 1.3  |

$$y = 0.0194 * x + 0.0276$$

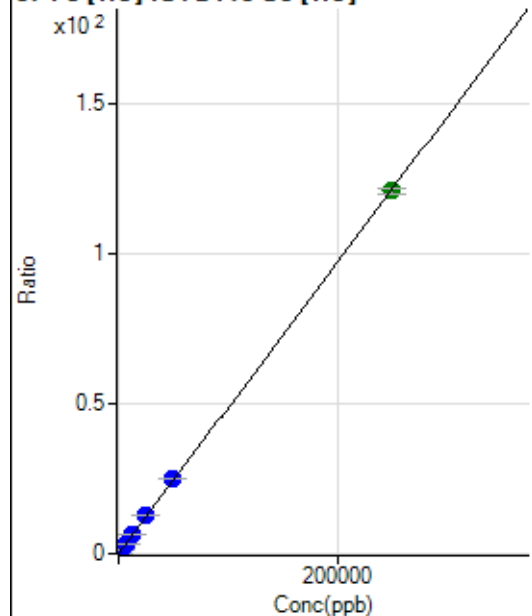
$$R = 1.0000$$

$$DL = 0.7079$$

$$BEC = 1.425$$

Weight: &lt;None&gt;

Min Conc: 0

**57 Fe [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      | 50.00      | 0.0011   | P   | 19.0 |
| 2 | <input type="checkbox"/> | 5.000     |            |            |          |     |      |
| 3 | <input type="checkbox"/> | 50.000    | 52.821     | 1264.91    | 0.0267   | P   | 6.2  |
| 4 | <input type="checkbox"/> | 2500.000  | 2683.977   | 57652.79   | 1.3003   | P   | 0.9  |
| 5 | <input type="checkbox"/> | 6250.000  | 6736.139   | 144267.99  | 3.2616   | P   | 5.8  |
| 6 | <input type="checkbox"/> | 12500.000 | 12817.928  | 284051.30  | 6.2053   | P   | 1.6  |
| 7 | <input type="checkbox"/> | 25000.000 | 25944.971  | 568512.18  | 12.5591  | P   | 0.5  |
| 8 | <input type="checkbox"/> | 50000.000 | 51779.246  | 1124145.00 | 25.0635  | P   | 1.6  |
| 9 | <input type="checkbox"/> | 250000.00 | 249519.76  | 5525199.31 | 120.7747 | A   | 1.6  |

$$y = 4.8402E-004 * x + 0.0011$$

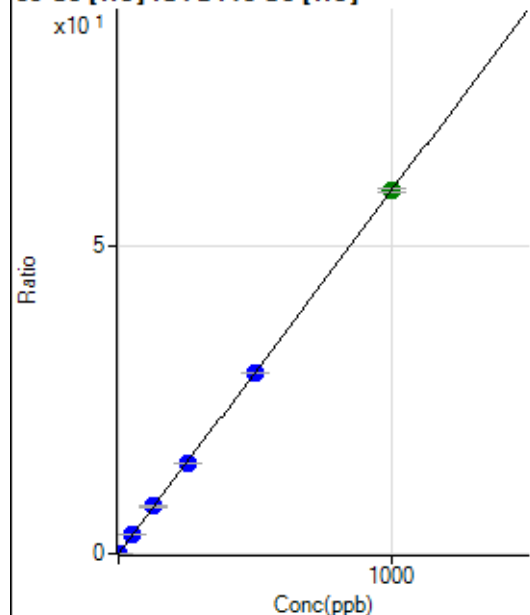
$$R = 1.0000$$

$$DL = 1.346$$

$$BEC = 2.358$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11      | 0.0014  | P    | 24.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.040      | 2979.26    | 0.0629  | P    | 0.6  |
| 4 | <input type="checkbox"/> | 50.000   | 52.582     | 137845.90  | 3.1089  | P    | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 131.052    | 342630.23  | 7.7462  | P    | 5.8  |
| 6 | <input type="checkbox"/> | 250.000  | 250.168    | 676847.29  | 14.7856 | P    | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 499.056    | 1335107.84 | 29.4942 | P    | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.544    | 2649595.00 | 59.0716 | A    | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 33264.31   | 0.7271  | P    | 2.5  |

$$y = 0.0591 * x + 0.0014$$

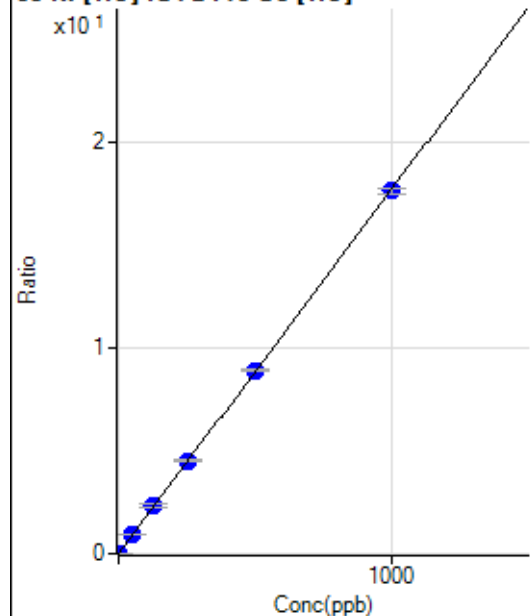
$$R = 1.0000$$

$$DL = 0.01779$$

$$BEC = 0.02379$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS       | Ratio   | Det. | RSD  |
|---|--------------------------|----------|------------|-----------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 84.45     | 0.0019  | P    | 34.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |         |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.118      | 1027.84   | 0.0217  | P    | 8.4  |
| 4 | <input type="checkbox"/> | 50.000   | 53.752     | 42220.69  | 0.9522  | P    | 0.1  |
| 5 | <input type="checkbox"/> | 125.000  | 132.968    | 104060.86 | 2.3526  | P    | 5.8  |
| 6 | <input type="checkbox"/> | 250.000  | 253.876    | 205529.42 | 4.4900  | P    | 1.9  |
| 7 | <input type="checkbox"/> | 500.000  | 503.569    | 403065.10 | 8.9042  | P    | 0.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.063    | 789871.06 | 17.6106 | P    | 1.6  |
| 9 | <input type="checkbox"/> |          |            | 30228.53  | 0.6608  | P    | 2.3  |

$$y = 0.0177 * x + 0.0019$$

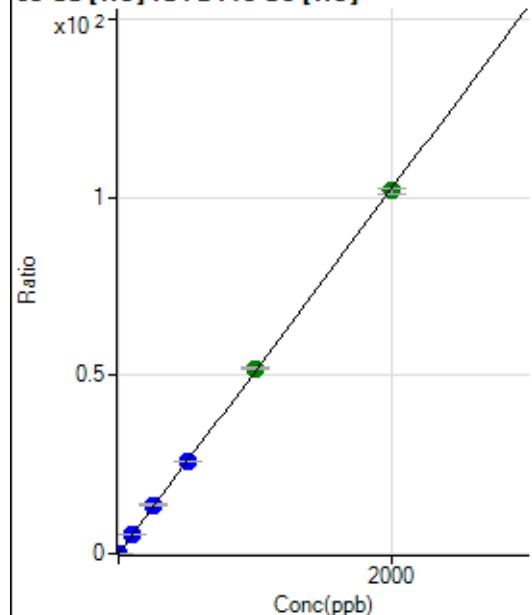
$$R = 1.0000$$

$$DL = 0.1131$$

$$BEC = 0.1094$$

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      | 1217.85    | 0.0278   | P    | 3.9 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |          |      |     |
| 3 | <input type="checkbox"/> | 2.000    | 2.015      | 6202.59    | 0.1309   | P    | 6.2 |
| 4 | <input type="checkbox"/> | 100.000  | 106.710    | 243424.78  | 5.4898   | P    | 0.6 |
| 5 | <input type="checkbox"/> | 250.000  | 267.068    | 605867.77  | 13.6979  | P    | 6.0 |
| 6 | <input type="checkbox"/> | 500.000  | 505.979    | 1186823.05 | 25.9267  | P    | 1.6 |
| 7 | <input type="checkbox"/> | 1000.000 | 1015.680   | 2354611.77 | 52.0162  | A    | 0.8 |
| 8 | <input type="checkbox"/> | 2000.000 | 1988.196   | 4565844.93 | 101.7952 | A    | 1.3 |
| 9 | <input type="checkbox"/> |          |            | 12356.76   | 0.2701   | P    | 1.2 |

$$y = 0.0512 * x + 0.0278$$

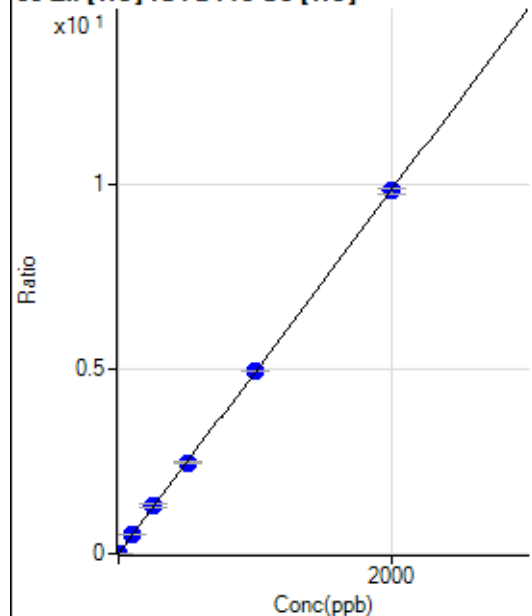
$$R = 0.9999$$

$$DL = 0.06318$$

$$BEC = 0.5428$$

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      | 224.45    | 0.0051 | P    | 4.9  |
| 2 | <input type="checkbox"/> | 0.200    |            |           |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.210      | 757.81    | 0.0160 | P    | 12.9 |
| 4 | <input type="checkbox"/> | 100.000  | 104.691    | 23116.16  | 0.5214 | P    | 1.8  |
| 5 | <input type="checkbox"/> | 250.000  | 266.085    | 58261.09  | 1.3172 | P    | 6.8  |
| 6 | <input type="checkbox"/> | 500.000  | 499.267    | 112930.61 | 2.4670 | P    | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 1003.785   | 224293.04 | 4.9549 | P    | 0.2  |
| 8 | <input type="checkbox"/> | 2000.000 | 1996.045   | 441696.97 | 9.8478 | P    | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 3825.04   | 0.0836 | P    | 1.2  |

$$y = 0.0049 * x + 0.0051$$

$$R = 1.0000$$

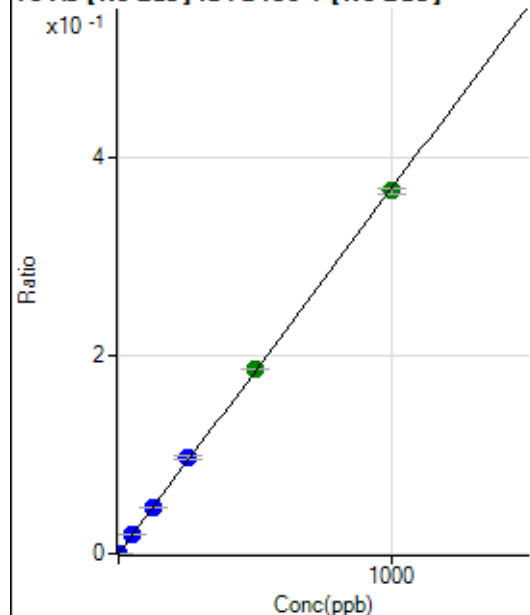
$$DL = 0.1536$$

$$BEC = 1.037$$

Weight: &lt;None&gt;

Min Conc: 0

75 As [No Gas] ISTD:89 Y [No Gas]



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 238.90     | 0.0000 | P   | 30.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.114      | 4028.55    | 0.0004 | P   | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.845     | 170186.77  | 0.0188 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 126.745    | 426804.71  | 0.0468 | P   | 2.8  |
| 6 | <input type="checkbox"/> | 250.000  | 262.724    | 857958.33  | 0.0970 | P   | 2.5  |
| 7 | <input type="checkbox"/> | 500.000  | 505.719    | 1728994.01 | 0.1867 | A   | 0.9  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.699    | 3410945.43 | 0.3669 | A   | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 5718.13    | 0.0006 | P   | 4.2  |

$$y = 3.6917E-004 * x + 2.5134E-005$$

$$R = 0.9999$$

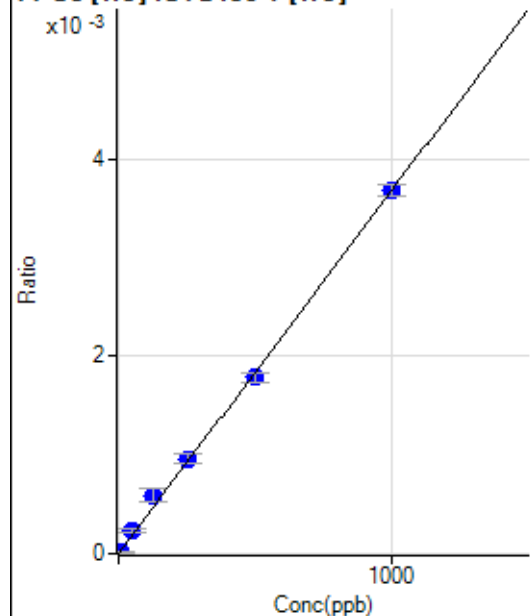
$$DL = 0.0623$$

$$BEC = 0.06808$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<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    | 2.812      | 3.33    | 0.0000 | P   | 99.9 |
| 4 | <input type="checkbox"/> | 50.000   | 62.238     | 68.89   | 0.0002 | P   | 16.7 |
| 5 | <input type="checkbox"/> | 125.000  | 160.172    | 177.78  | 0.0006 | P   | 24.2 |
| 6 | <input type="checkbox"/> | 250.000  | 260.549    | 293.34  | 0.0010 | P   | 10.7 |
| 7 | <input type="checkbox"/> | 500.000  | 485.007    | 544.47  | 0.0018 | P   | 6.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.862    | 1093.39 | 0.0037 | P   | 3.2  |
| 9 | <input type="checkbox"/> |          |            | 2.22    | 0.0000 | P   | 86.6 |

$$y = 3.6733E-006 * x + 0.0000E+000$$

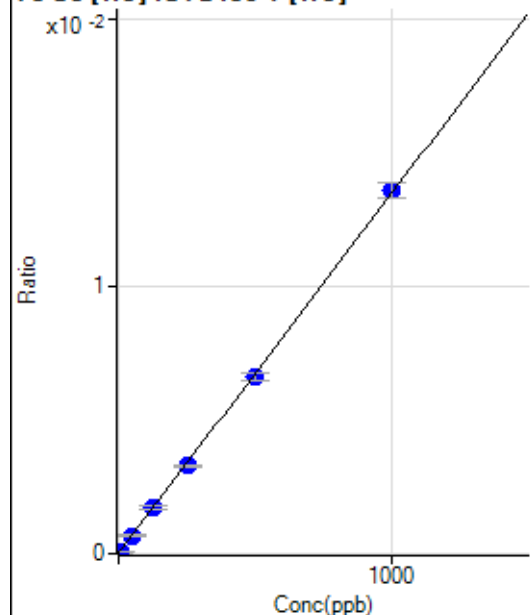
$$R = 0.9991$$

$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 4.94    | 0.0000 | P   | 77.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |         |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 3.727      | 21.60   | 0.0001 | P   | 44.7 |
| 4 | <input type="checkbox"/> | 50.000   | 48.647     | 202.47  | 0.0007 | P   | 10.6 |
| 5 | <input type="checkbox"/> | 125.000  | 126.081    | 521.01  | 0.0017 | P   | 7.7  |
| 6 | <input type="checkbox"/> | 250.000  | 241.978    | 1003.13 | 0.0033 | P   | 4.1  |
| 7 | <input type="checkbox"/> | 500.000  | 489.789    | 2021.16 | 0.0066 | P   | 4.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 1007.050   | 4043.84 | 0.0136 | P   | 4.2  |
| 9 | <input type="checkbox"/> |          |            | 4.94    | 0.0000 | P   | 56.5 |

$$y = 1.3472\text{E-}005 * x + 1.6601\text{E-}005$$

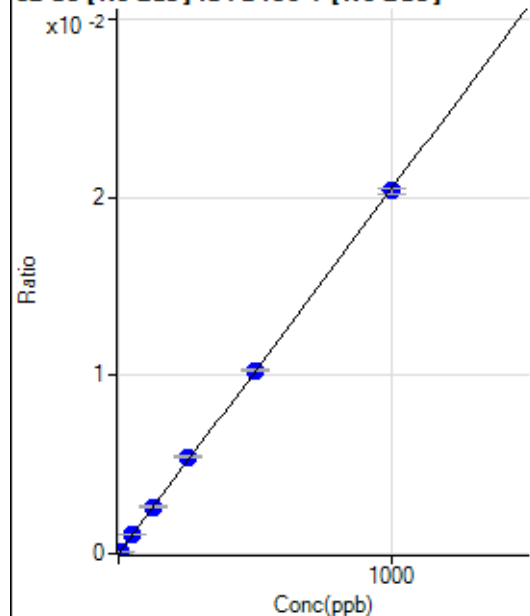
$$R = 0.9999$$

$$DL = 2.874$$

$$BEC = 1.232$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | -54.38    | 0.0000 | P   | -18. |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.300      | 951.18    | 0.0001 | P   | 18.2 |
| 4 | <input type="checkbox"/> | 50.000   | 52.082     | 9625.86   | 0.0011 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 128.759    | 24037.61  | 0.0026 | P   | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 264.762    | 47994.14  | 0.0054 | P   | 2.4  |
| 7 | <input type="checkbox"/> | 500.000  | 502.999    | 95519.69  | 0.0103 | P   | 0.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.235    | 189615.97 | 0.0204 | P   | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 193.33    | 0.0000 | P   | 12.9 |

$$y = 2.0519\text{E-}005 * x - 5.7254\text{E-}006$$

$$R = 0.9999$$

$$DL = 0.1564$$

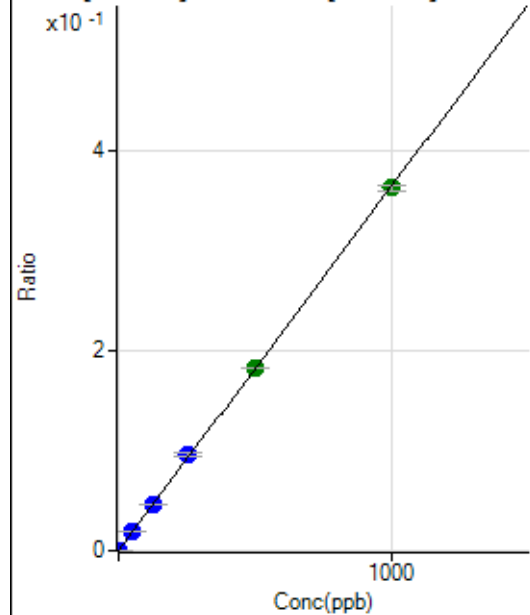
$$BEC = -0.279$$

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"/> |       |            | 1192.29 |       | P        | 2.1  |
| 2 | <input type="checkbox"/> |       |            |         |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 1252.30 |       | P        | 10.0 |
| 4 | <input type="checkbox"/> |       |            | 1180.07 |       | P        | 5.0  |
| 5 | <input type="checkbox"/> |       |            | 1143.40 |       | P        | 7.2  |
| 6 | <input type="checkbox"/> |       |            | 1198.97 |       | P        | 2.5  |
| 7 | <input type="checkbox"/> |       |            | 1106.73 |       | P        | 3.1  |
| 8 | <input type="checkbox"/> |       |            | 1215.63 |       | P        | 3.5  |
| 9 | <input type="checkbox"/> |       |            | 1262.31 |       | P        | 5.1  |

**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      | 1839.10    | 0.0002 | P        | 4.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.102      | 5490.30    | 0.0006 | P        | 3.9 |
| 4 | <input type="checkbox"/> | 50.000   | 50.612     | 168524.50  | 0.0186 | P        | 2.6 |
| 5 | <input type="checkbox"/> | 125.000  | 127.326    | 424293.48  | 0.0465 | P        | 1.7 |
| 6 | <input type="checkbox"/> | 250.000  | 262.783    | 847512.84  | 0.0958 | P        | 2.6 |
| 7 | <input type="checkbox"/> | 500.000  | 501.678    | 1692567.44 | 0.1828 | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 995.644    | 3370813.92 | 0.3626 | A        | 1.4 |
| 9 | <input type="checkbox"/> |          |            | 17434.02   | 0.0020 | P        | 2.4 |

$$y = 3.6395E-004 * x + 1.9375E-004$$

$$R = 0.9999$$

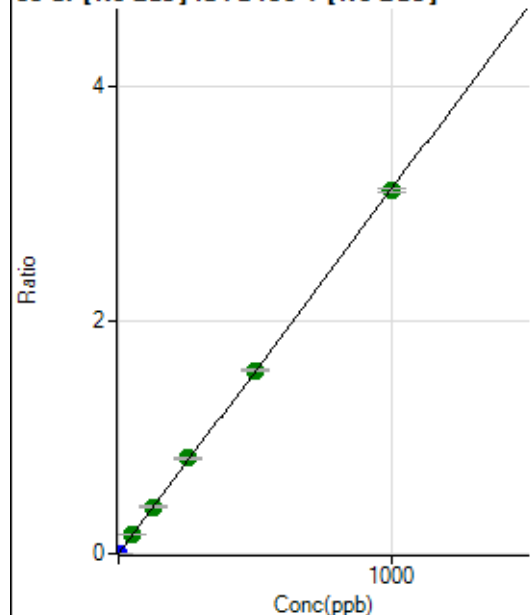
$$DL = 0.07589$$

$$BEC = 0.5324$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 669.49      | 0.0001 | P   | 17.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.052      | 31030.86    | 0.0034 | P   | 2.2  |
| 4 | <input type="checkbox"/> | 50.000   | 51.909     | 1470359.92  | 0.1624 | A   | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 127.929    | 3647911.67  | 0.4001 | A   | 2.3  |
| 6 | <input type="checkbox"/> | 250.000  | 262.796    | 7267957.97  | 0.8218 | A   | 2.6  |
| 7 | <input type="checkbox"/> | 500.000  | 502.979    | 14565310.39 | 1.5729 | A   | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.850    | 28925252.04 | 3.1110 | A   | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 133744.93   | 0.0151 | P   | 2.6  |

$$y = 0.0031 * x + 7.0605E-005$$

$$R = 0.9999$$

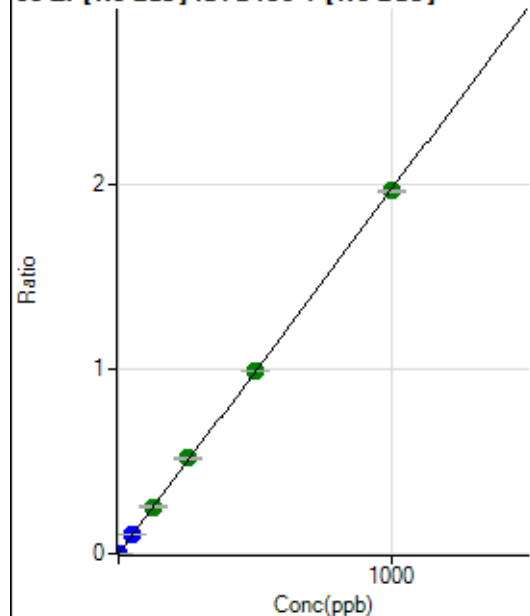
$$DL = 0.0121$$

$$BEC = 0.02258$$

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 | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 627.82      | 0.0001 | P   | 13.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.038      | 19567.60    | 0.0021 | P   | 0.9  |
| 4 | <input type="checkbox"/> | 50.000   | 50.652     | 907500.49   | 0.1002 | P   | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 128.807    | 2323043.19  | 0.2548 | A   | 1.9  |
| 6 | <input type="checkbox"/> | 250.000  | 261.372    | 4571673.89  | 0.5169 | A   | 2.2  |
| 7 | <input type="checkbox"/> | 500.000  | 501.221    | 9178659.06  | 0.9912 | A   | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.038    | 18314800.58 | 1.9697 | A   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 8869.97     | 0.0010 | P   | 3.1  |

$$y = 0.0020 * x + 6.6164E-005$$

$$R = 0.9999$$

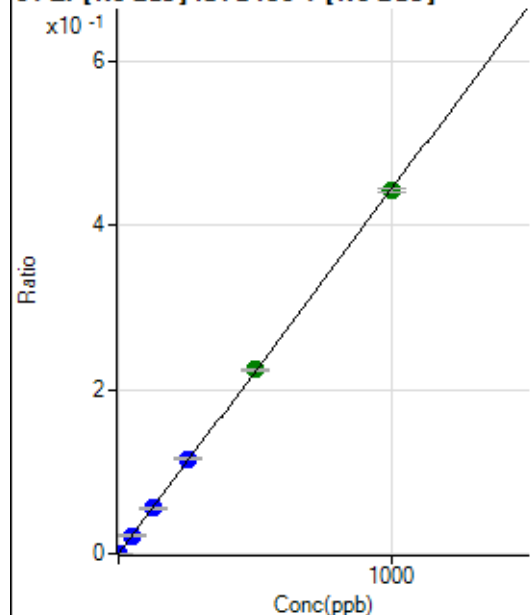
$$DL = 0.01366$$

$$BEC = 0.03346$$

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      | 116.68     | 0.0000 | P    | 11.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.008      | 4248.07    | 0.0005 | P    | 4.0  |
| 4 | <input type="checkbox"/> | 50.000   | 49.995     | 201226.15  | 0.0222 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 125.427    | 508108.53  | 0.0557 | P    | 2.9  |
| 6 | <input type="checkbox"/> | 250.000  | 259.908    | 1021276.02 | 0.1155 | P    | 2.3  |
| 7 | <input type="checkbox"/> | 500.000  | 504.915    | 2077249.37 | 0.2243 | A    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.013    | 4110040.63 | 0.4421 | A    | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 2111.38    | 0.0002 | P    | 7.2  |

$$y = 4.4426\text{E-}004 * x + 1.2283\text{E-}005$$

$$R = 0.9999$$

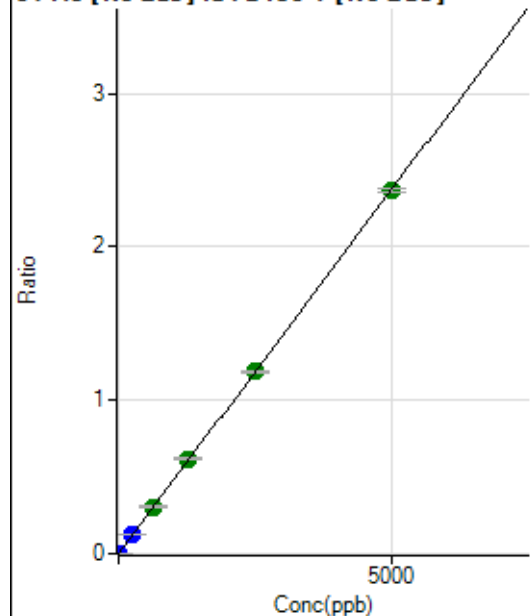
$$DL = 0.009586$$

$$BEC = 0.02765$$

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      | 200.01      | 0.0000 | P    | 11.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.198      | 22950.92    | 0.0025 | P    | 4.5  |
| 4 | <input type="checkbox"/> | 250.000  | 255.366    | 1096671.42  | 0.1211 | P    | 1.7  |
| 5 | <input type="checkbox"/> | 625.000  | 640.499    | 2769656.53  | 0.3038 | A    | 2.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1306.351   | 5478725.42  | 0.6195 | A    | 2.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2500.355   | 10979953.80 | 1.1857 | A    | 1.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 4983.529   | 21973223.06 | 2.3633 | A    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 27425.87    | 0.0031 | P    | 4.3  |

$$y = 4.7422\text{E-}004 * x + 2.1072\text{E-}005$$

$$R = 0.9999$$

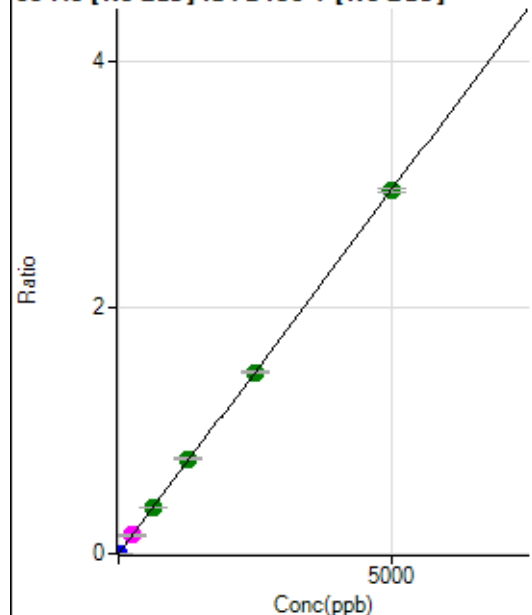
$$DL = 0.01471$$

$$BEC = 0.04444$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 52.78       | 0.0000 | P    | 65.5 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.056      | 27582.11    | 0.0030 | P    | 1.9  |
| 4 | <input type="checkbox"/> | 250.000  | 251.904    | 1345567.24  | 0.1486 | M    | 1.0  |
| 5 | <input type="checkbox"/> | 625.000  | 636.515    | 3423501.03  | 0.3755 | A    | 2.0  |
| 6 | <input type="checkbox"/> | 1250.000 | 1301.805   | 6791241.04  | 0.7679 | A    | 2.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2494.290   | 13624969.06 | 1.4713 | A    | 1.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4988.369   | 27358733.25 | 2.9425 | A    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 41648.43    | 0.0047 | P    | 3.1  |

$$y = 5.8988\text{E-}004 * x + 5.5617\text{E-}006$$

$$R = 0.9999$$

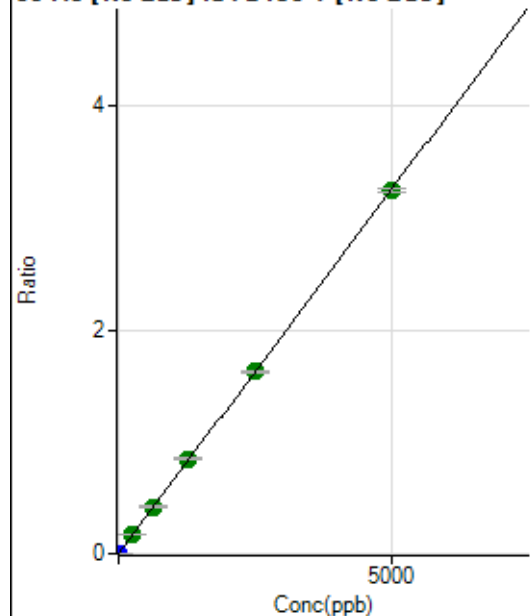
$$DL = 0.01854$$

$$BEC = 0.009429$$

Weight: &lt;None&gt;

Min Conc: 0

96 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      | 102.78      | 0.0000 | P    | 35.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.203      | 31368.04    | 0.0034 | P    | 1.3  |
| 4 | <input type="checkbox"/> | 250.000  | 255.489    | 1506125.84  | 0.1663 | A    | 1.8  |
| 5 | <input type="checkbox"/> | 625.000  | 641.923    | 3810330.21  | 0.4179 | A    | 2.7  |
| 6 | <input type="checkbox"/> | 1250.000 | 1304.183   | 7509118.92  | 0.8491 | A    | 2.3  |
| 7 | <input type="checkbox"/> | 2500.000 | 2505.935   | 15107898.78 | 1.6315 | A    | 1.0  |
| 8 | <input type="checkbox"/> | 5000.000 | 4981.097   | 30151468.04 | 3.2429 | A    | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 47208.04    | 0.0053 | P    | 3.2  |

$$y = 6.5104\text{E-}004 * x + 1.0804\text{E-}005$$

$$R = 0.9999$$

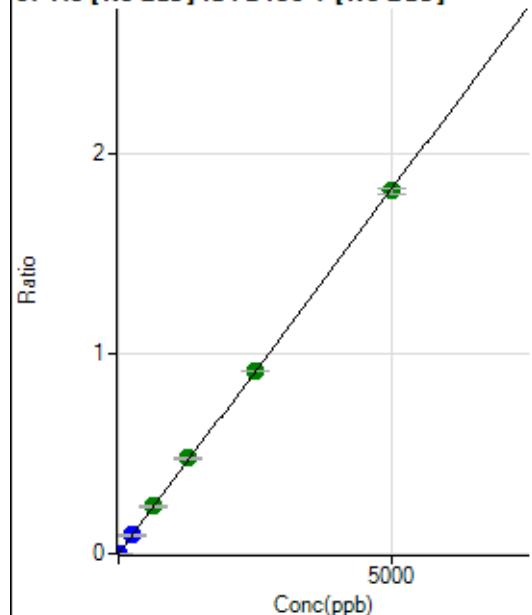
$$DL = 0.01779$$

$$BEC = 0.0166$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 77.78       | 0.0000 | P    | 15.8 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.119      | 17311.76    | 0.0019 | P    | 0.3  |
| 4 | <input type="checkbox"/> | 250.000  | 253.195    | 836258.33   | 0.0924 | P    | 2.5  |
| 5 | <input type="checkbox"/> | 625.000  | 648.294    | 2155944.56  | 0.2365 | A    | 2.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1318.808   | 4254689.37  | 0.4811 | A    | 2.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2502.869   | 8454173.19  | 0.9130 | A    | 0.4  |
| 8 | <input type="checkbox"/> | 5000.000 | 4978.292   | 16883096.21 | 1.8159 | A    | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 25449.82    | 0.0029 | P    | 3.6  |

$$y = 3.6477\text{E-}004 * x + 8.1902\text{E-}006$$

$$R = 0.9999$$

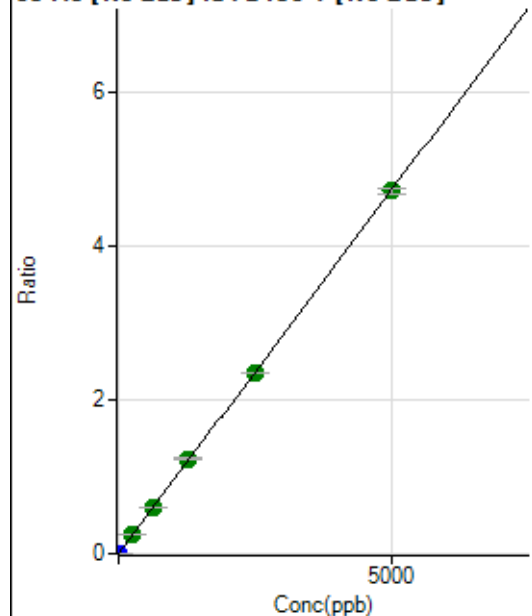
$$DL = 0.01067$$

$$BEC = 0.02245$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 125.01      | 0.0000 | P    | 34.1 |
| 2 | <input type="checkbox"/> | 0.500    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.167      | 45151.03    | 0.0049 | P    | 2.8  |
| 4 | <input type="checkbox"/> | 250.000  | 255.515    | 2184058.60  | 0.2413 | A    | 3.3  |
| 5 | <input type="checkbox"/> | 625.000  | 634.634    | 5462977.47  | 0.5992 | A    | 2.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1299.881   | 10854190.08 | 1.2273 | A    | 2.0  |
| 7 | <input type="checkbox"/> | 2500.000 | 2492.764   | 21793252.05 | 2.3535 | A    | 0.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4989.668   | 43799035.00 | 4.7109 | A    | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 66181.99    | 0.0075 | P    | 3.3  |

$$y = 9.4413\text{E-}004 * x + 1.3188\text{E-}005$$

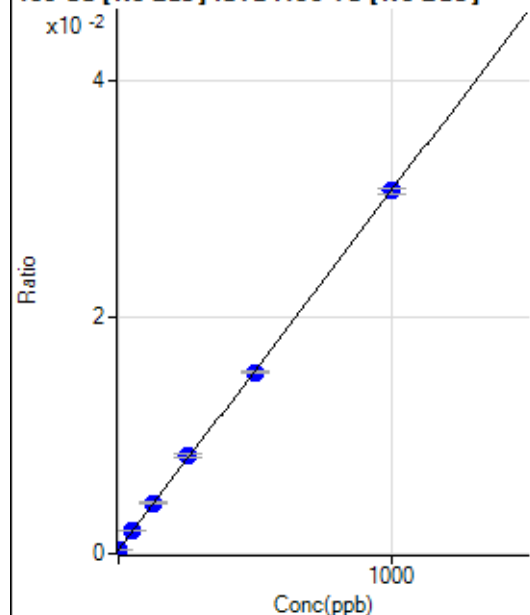
$$R = 0.9999$$

$$DL = 0.01427$$

$$BEC = 0.01397$$

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      | 3345.03   | 0.0003 | P   | 4.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.598      | 3778.48   | 0.0004 | P   | 5.5 |
| 4 | <input type="checkbox"/> | 50.000   | 52.343     | 19114.29  | 0.0019 | P   | 0.9 |
| 5 | <input type="checkbox"/> | 125.000  | 129.457    | 42891.74  | 0.0043 | P   | 2.7 |
| 6 | <input type="checkbox"/> | 250.000  | 262.650    | 82840.75  | 0.0083 | P   | 2.9 |
| 7 | <input type="checkbox"/> | 500.000  | 494.336    | 161225.92 | 0.0153 | P   | 0.9 |
| 8 | <input type="checkbox"/> | 1000.000 | 998.995    | 320480.06 | 0.0306 | P   | 1.3 |
| 9 | <input type="checkbox"/> |          |            | 3275.55   | 0.0003 | P   | 0.9 |

$$y = 3.0330\text{E-}005 * x + 3.2656\text{E-}004$$

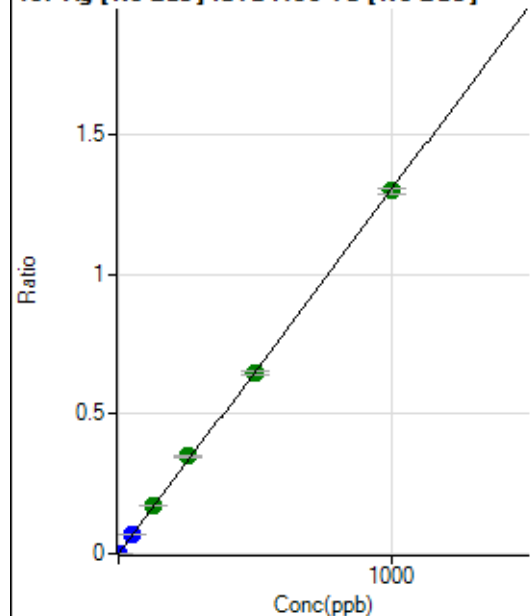
$$R = 0.9999$$

$$DL = 1.505$$

$$BEC = 10.77$$

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      | 163.90      | 0.0000 | P   | 13.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.091      | 14477.82    | 0.0014 | P   | 1.7  |
| 4 | <input type="checkbox"/> | 50.000   | 52.961     | 689053.59   | 0.0690 | P   | 2.1  |
| 5 | <input type="checkbox"/> | 125.000  | 132.799    | 1745185.54  | 0.1730 | A   | 2.4  |
| 6 | <input type="checkbox"/> | 250.000  | 267.057    | 3475859.54  | 0.3480 | A   | 3.3  |
| 7 | <input type="checkbox"/> | 500.000  | 497.335    | 6819286.44  | 0.6480 | A   | 1.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.945    | 13578759.16 | 1.2976 | A   | 1.5  |
| 9 | <input type="checkbox"/> |          |            | 42185.84    | 0.0043 | P   | 89.1 |

$$y = 0.0013 * x + 1.6011\text{E-}005$$

$$R = 0.9998$$

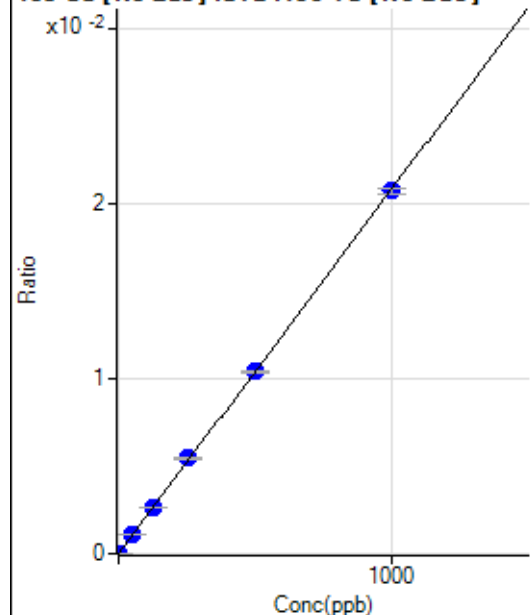
$$DL = 0.004899$$

$$BEC = 0.01229$$

Weight: &lt;None&gt;

Min Conc: 0

108 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      | 15.28     | 0.0000 | P   | 57.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.023      | 229.17    | 0.0000 | P   | 9.0  |
| 4 | <input type="checkbox"/> | 50.000   | 52.674     | 10942.17  | 0.0011 | P   | 3.4  |
| 5 | <input type="checkbox"/> | 125.000  | 129.014    | 27060.85  | 0.0027 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 262.319    | 54470.92  | 0.0055 | P   | 3.1  |
| 7 | <input type="checkbox"/> | 500.000  | 500.847    | 109554.55 | 0.0104 | P   | 1.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.861    | 216572.93 | 0.0207 | P   | 1.9  |
| 9 | <input type="checkbox"/> |          |            | 62.50     | 0.0000 | P   | 23.3 |

$$y = 2.0782E-005 * x + 1.4956E-006$$

$$R = 0.9999$$

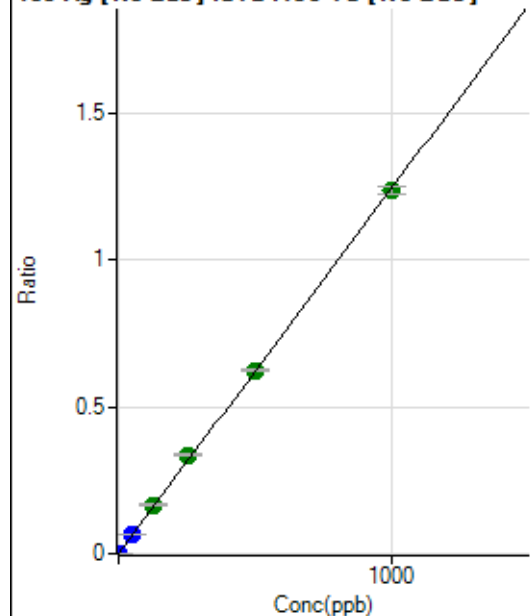
$$DL = 0.1243$$

$$BEC = 0.07197$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 61.11       | 0.0000 | P   | 20.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.064      | 13373.92    | 0.0013 | P   | 3.9  |
| 4 | <input type="checkbox"/> | 50.000   | 53.115     | 658757.12   | 0.0660 | P   | 2.2  |
| 5 | <input type="checkbox"/> | 125.000  | 133.995    | 1678855.74  | 0.1665 | A   | 1.6  |
| 6 | <input type="checkbox"/> | 250.000  | 269.687    | 3346764.01  | 0.3350 | A   | 2.6  |
| 7 | <input type="checkbox"/> | 500.000  | 501.017    | 6549800.06  | 0.6224 | A   | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.289    | 12910539.26 | 1.2339 | A   | 2.1  |
| 9 | <input type="checkbox"/> |          |            | 40045.79    | 0.0041 | P   | 89.0 |

$$y = 0.0012 * x + 5.9641E-006$$

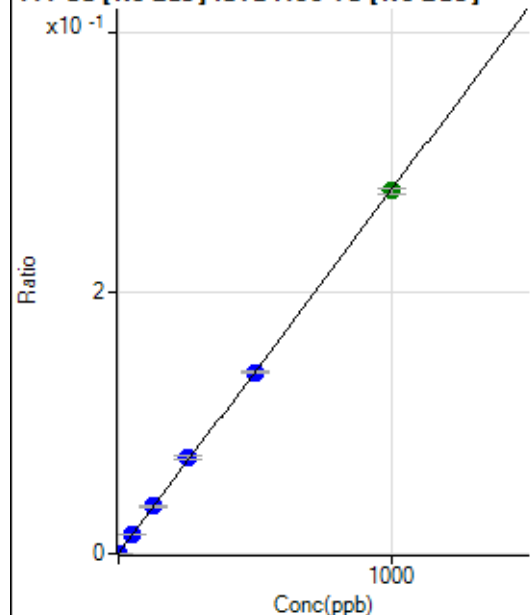
$$R = 0.9998$$

$$DL = 0.002926$$

$$BEC = 0.004801$$

Weight: &lt;None&gt;

Min Conc: 0

**111 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      | 2336.38    | 0.0002 | P    | 4.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.116      | 5436.29    | 0.0005 | P    | 4.5 |
| 4 | <input type="checkbox"/> | 50.000   | 52.204     | 147726.90  | 0.0148 | P    | 2.0 |
| 5 | <input type="checkbox"/> | 125.000  | 129.621    | 367154.52  | 0.0364 | P    | 1.6 |
| 6 | <input type="checkbox"/> | 250.000  | 264.058    | 738435.95  | 0.0739 | P    | 2.8 |
| 7 | <input type="checkbox"/> | 500.000  | 498.096    | 1465331.92 | 0.1392 | P    | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 996.749    | 2913163.77 | 0.2784 | A    | 1.5 |
| 9 | <input type="checkbox"/> |          |            | 2746.39    | 0.0003 | P    | 1.6 |

$$y = 2.7907\text{E-}004 * x + 2.2809\text{E-}004$$

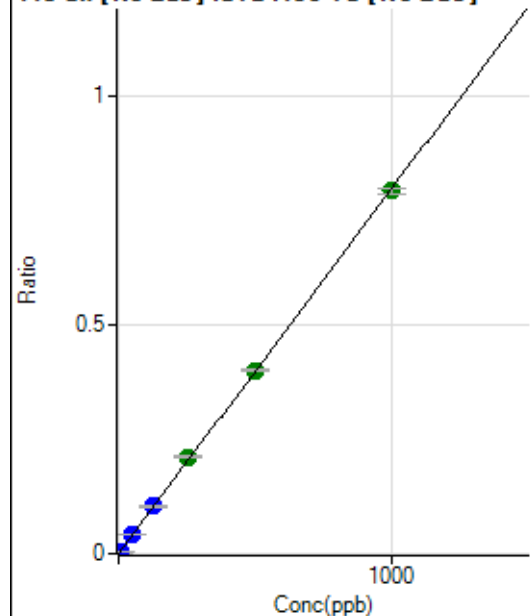
$$R = 0.9999$$

$$DL = 0.1175$$

$$BEC = 0.8173$$

Weight: &lt;None&gt;

Min Conc: 0

**118 Sn [No Gas] ISTD :159 Tb [No Gas]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 561.15     | 0.0001 | P    | 5.5 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 5.000    | 5.222      | 42454.59   | 0.0042 | P    | 1.5 |
| 4 | <input type="checkbox"/> | 50.000   | 51.613     | 410901.89  | 0.0412 | P    | 2.5 |
| 5 | <input type="checkbox"/> | 125.000  | 129.190    | 1038292.08 | 0.1029 | P    | 2.0 |
| 6 | <input type="checkbox"/> | 250.000  | 265.859    | 2115448.76 | 0.2118 | A    | 3.5 |
| 7 | <input type="checkbox"/> | 500.000  | 501.548    | 4204193.28 | 0.3995 | A    | 1.0 |
| 8 | <input type="checkbox"/> | 1000.000 | 994.656    | 8289802.27 | 0.7922 | A    | 1.4 |
| 9 | <input type="checkbox"/> |          |            | 10721.43   | 0.0011 | P    | 7.3 |

$$y = 7.9640\text{E-}004 * x + 5.4801\text{E-}005$$

$$R = 0.9999$$

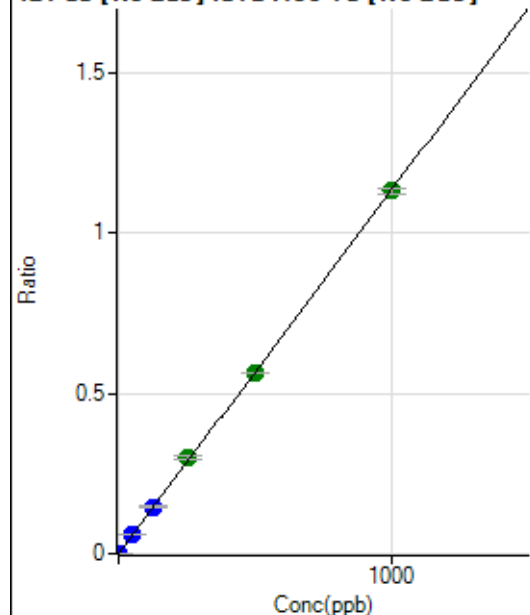
$$DL = 0.01132$$

$$BEC = 0.06881$$

Weight: &lt;None&gt;

Min Conc: 0

121 Sb [No Gas] ISTD : 159 Tb [No Gas]



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 111.12      | 0.0000 | P    | 43.0 |
| 2 | <input type="checkbox"/> | 0.200    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 2.000    | 2.092      | 23975.15    | 0.0024 | P    | 1.0  |
| 4 | <input type="checkbox"/> | 50.000   | 51.401     | 581243.34   | 0.0582 | P    | 2.0  |
| 5 | <input type="checkbox"/> | 125.000  | 129.193    | 1475753.17  | 0.1463 | P    | 1.8  |
| 6 | <input type="checkbox"/> | 250.000  | 263.309    | 2978787.76  | 0.2982 | A    | 2.9  |
| 7 | <input type="checkbox"/> | 500.000  | 496.487    | 5917237.94  | 0.5622 | A    | 0.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 997.835    | 11824530.38 | 1.1300 | A    | 1.4  |
| 9 | <input type="checkbox"/> |          |            | 21136.95    | 0.0022 | P    | 2.7  |

$$y = 0.0011 * x + 1.0861E-005$$

$$R = 0.9999$$

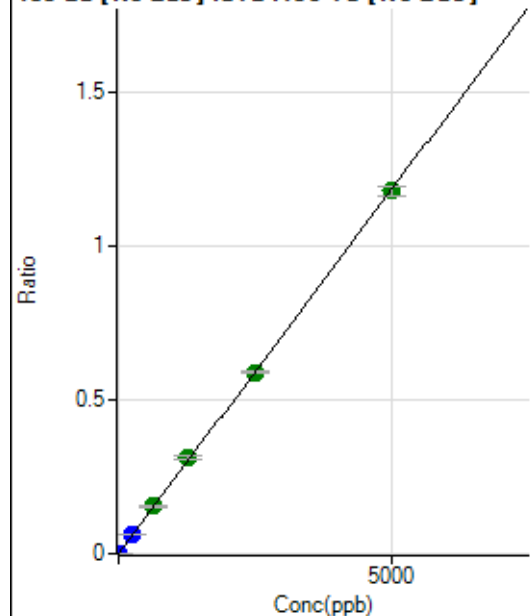
$$DL = 0.01238$$

$$BEC = 0.009591$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 44.45       | 0.0000 | P    | 10.7 |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.562     | 25175.04    | 0.0025 | P    | 0.6  |
| 4 | <input type="checkbox"/> | 250.000  | 258.309    | 609126.18   | 0.0610 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 625.000  | 648.718    | 1545319.10  | 0.1532 | A    | 1.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1323.125   | 3121535.72  | 0.3125 | A    | 3.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2489.780   | 6188233.69  | 0.5880 | A    | 1.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4983.447   | 12315101.75 | 1.1770 | A    | 2.4  |
| 9 | <input type="checkbox"/> |          |            | 2792.10     | 0.0003 | P    | 13.1 |

$$y = 2.3617E-004 * x + 4.3398E-006$$

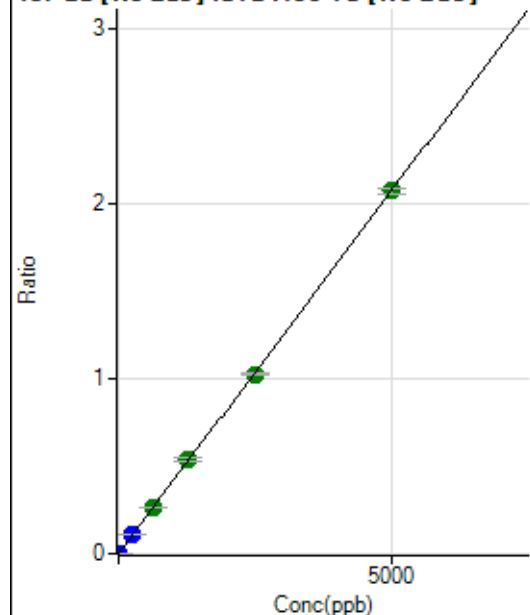
$$R = 0.9999$$

$$DL = 0.005907$$

$$BEC = 0.01838$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>137</sup>Ba [No Gas] ISTD : <sup>159</sup>Tb [No Gas]**

|   | R <sub>ct</sub>          | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 105.56      | 0.0000 | P    | 8.5  |
| 2 | <input type="checkbox"/> | 1.000    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 10.000   | 10.175     | 42689.38    | 0.0042 | P    | 1.4  |
| 4 | <input type="checkbox"/> | 250.000  | 255.042    | 1057916.41  | 0.1060 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 625.000  | 643.590    | 2696828.77  | 0.2674 | A    | 1.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1298.246   | 5387211.97  | 0.5393 | A    | 3.4  |
| 7 | <input type="checkbox"/> | 2500.000 | 2474.300   | 10817798.33 | 1.0279 | A    | 0.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4998.212   | 21728032.78 | 2.0764 | A    | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 4951.17     | 0.0005 | P    | 12.8 |

$$y = 4.1542\text{E-}004 * x + 1.0304\text{E-}005$$

$$R = 0.9999$$

$$DL = 0.006293$$

$$BEC = 0.0248$$

Weight: &lt;None&gt;

Min Conc: 0

**<sup>150</sup>Nd [No Gas] No available calibration points**

|   | R <sub>ct</sub>          | Conc. | Calc Conc. | CPS    | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|--------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 6.67   |       | P    | 173. |
| 2 | <input type="checkbox"/> |       |            |        |       |      |      |
| 3 | <input type="checkbox"/> |       |            | 15.56  |       | P    | 49.5 |
| 4 | <input type="checkbox"/> |       |            | 33.33  |       | P    | 20.0 |
| 5 | <input type="checkbox"/> |       |            | 113.34 |       | P    | 29.4 |
| 6 | <input type="checkbox"/> |       |            | 235.57 |       | P    | 35.8 |
| 7 | <input type="checkbox"/> |       |            | 402.24 |       | P    | 11.0 |
| 8 | <input type="checkbox"/> |       |            | 797.83 |       | P    | 22.4 |
| 9 | <input type="checkbox"/> |       |            | 195.56 |       | P    | 5.2  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 2.22  |       | P        | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 114. |
| 6 | <input type="checkbox"/> |       |            | 6.66  |       | P        | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 100. |
| 8 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 45.8 |
| 9 | <input type="checkbox"/> |       |            | 41.11 |       | P        | 4.7  |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 19.44  |       | P        | 99.0 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 16.67  |       | P        | 100. |
| 4 | <input type="checkbox"/> |       |            | 33.33  |       | P        | 0.0  |
| 5 | <input type="checkbox"/> |       |            | 36.11  |       | P        | 53.3 |
| 6 | <input type="checkbox"/> |       |            | 66.67  |       | P        | 21.7 |
| 7 | <input type="checkbox"/> |       |            | 80.56  |       | P        | 36.3 |
| 8 | <input type="checkbox"/> |       |            | 152.79 |       | P        | 26.9 |
| 9 | <input type="checkbox"/> |       |            | 97.23  |       | P        | 34.6 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 4.44  |       | P        | 43.4 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 3.33  |       | P        | 173. |
| 4 | <input type="checkbox"/> |       |            | 0.00  |       | P        |      |
| 5 | <input type="checkbox"/> |       |            | 1.11  |       | P        | 173. |
| 6 | <input type="checkbox"/> |       |            | 6.66  |       | P        | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 5.55  |       | P        | 69.3 |
| 8 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 87.7 |
| 9 | <input type="checkbox"/> |       |            | 23.34 |       | P        | 65.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS    | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|--------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 138.89 |       | P        | 38.6 |
| 2 | <input type="checkbox"/> |       |            |        |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 37.1 |
| 4 | <input type="checkbox"/> |       |            | 163.90 |       | P        | 37.5 |
| 5 | <input type="checkbox"/> |       |            | 97.23  |       | P        | 5.0  |
| 6 | <input type="checkbox"/> |       |            | 166.68 |       | P        | 34.6 |
| 7 | <input type="checkbox"/> |       |            | 133.34 |       | P        | 25.0 |
| 8 | <input type="checkbox"/> |       |            | 116.67 |       | P        | 57.1 |
| 9 | <input type="checkbox"/> |       |            | 208.35 |       | P        | 22.3 |

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

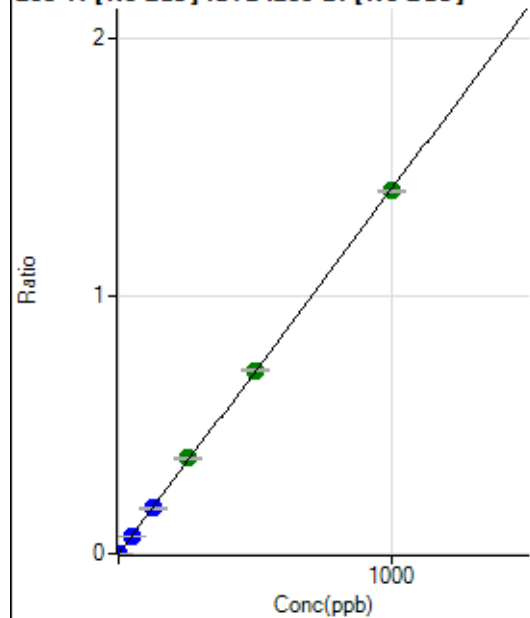
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 17.78 |       | P        | 21.7 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 12.4 |
| 4 | <input type="checkbox"/> |       |            | 11.11 |       | P        | 34.6 |
| 5 | <input type="checkbox"/> |       |            | 15.56 |       | P        | 65.5 |
| 6 | <input type="checkbox"/> |       |            | 21.11 |       | P        | 24.1 |
| 7 | <input type="checkbox"/> |       |            | 18.89 |       | P        | 40.7 |
| 8 | <input type="checkbox"/> |       |            | 30.00 |       | P        | 33.3 |
| 9 | <input type="checkbox"/> |       |            | 44.44 |       | P        | 42.7 |

**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        | 25.0 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 55.56 |       | P        | 17.3 |
| 4 | <input type="checkbox"/> |       |            | 33.33 |       | P        | 75.0 |
| 5 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 12.4 |
| 6 | <input type="checkbox"/> |       |            | 47.22 |       | P        | 83.4 |
| 7 | <input type="checkbox"/> |       |            | 58.34 |       | P        | 37.8 |
| 8 | <input type="checkbox"/> |       |            | 41.67 |       | P        | 34.7 |
| 9 | <input type="checkbox"/> |       |            | 72.23 |       | P        | 40.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 15.7 |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 14.45 |       | P        | 26.7 |
| 4 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 24.7 |
| 5 | <input type="checkbox"/> |       |            | 5.56  |       | P        | 91.6 |
| 6 | <input type="checkbox"/> |       |            | 6.67  |       | P        | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 12.22 |       | P        | 56.8 |
| 8 | <input type="checkbox"/> |       |            | 7.78  |       | P        | 65.5 |
| 9 | <input type="checkbox"/> |       |            | 8.89  |       | P        | 57.3 |

**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      | 80.56      | 0.0000 | P        | 22.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.023      | 8992.53    | 0.0015 | P        | 0.6  |
| 4 | <input type="checkbox"/> | 50.000   | 49.571     | 427038.04  | 0.0702 | P        | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 124.560    | 1084164.27 | 0.1764 | P        | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 261.485    | 2216605.73 | 0.3702 | A        | 3.0  |
| 7 | <input type="checkbox"/> | 500.000  | 503.356    | 4473153.22 | 0.7127 | A        | 0.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.527    | 8761793.86 | 1.4095 | A        | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 2694.86    | 0.0005 | P        | 8.5  |

$$y = 0.0014 * x + 1.3019E-005$$

$$R = 0.9999$$

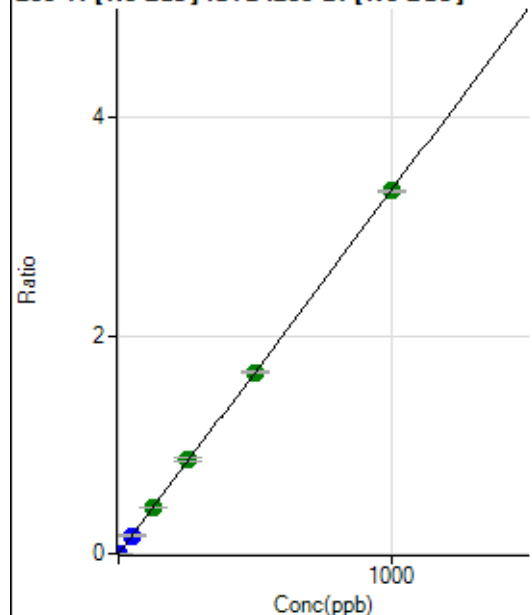
$$DL = 0.006233$$

$$BEC = 0.009196$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 172.24      | 0.0000 | P    | 30.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.042      | 21569.10    | 0.0035 | P    | 3.0  |
| 4 | <input type="checkbox"/> | 50.000   | 50.237     | 1020115.42  | 0.1677 | P    | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 126.613    | 2597670.09  | 0.4226 | A    | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 259.213    | 5178958.84  | 0.8651 | A    | 3.6  |
| 7 | <input type="checkbox"/> | 500.000  | 498.551    | 10443865.08 | 1.6638 | A    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.208    | 20708940.22 | 3.3313 | A    | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 6507.54     | 0.0012 | P    | 5.5  |

$$y = 0.0033 * x + 2.7793E-005$$

$$R = 1.0000$$

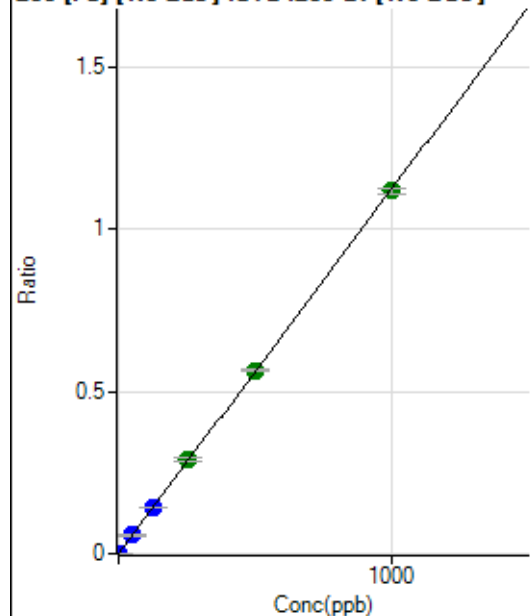
$$DL = 0.007676$$

$$BEC = 0.008328$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS        | Ratio  | Det. | RSD |
|---|--------------------------|----------|------------|------------|--------|------|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 392.61     | 0.0001 | P    | 4.5 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |      |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.043      | 7600.65    | 0.0012 | P    | 0.2 |
| 4 | <input type="checkbox"/> | 50.000   | 50.252     | 343938.27  | 0.0565 | P    | 1.7 |
| 5 | <input type="checkbox"/> | 125.000  | 125.484    | 867319.00  | 0.1411 | P    | 0.8 |
| 6 | <input type="checkbox"/> | 250.000  | 260.153    | 1750621.57 | 0.2924 | A    | 3.5 |
| 7 | <input type="checkbox"/> | 500.000  | 503.605    | 3552784.40 | 0.5660 | A    | 0.8 |
| 8 | <input type="checkbox"/> | 1000.000 | 995.586    | 6955239.22 | 1.1189 | A    | 1.4 |
| 9 | <input type="checkbox"/> |          |            | 10362.00   | 0.0019 | P    | 7.0 |

$$y = 0.0011 * x + 6.3353E-005$$

$$R = 0.9999$$

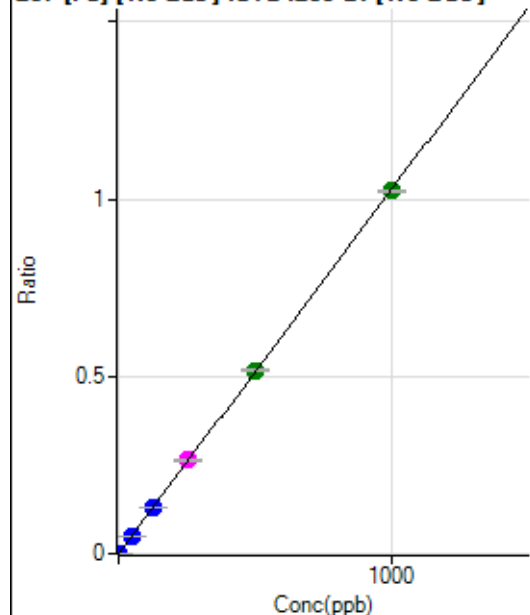
$$DL = 0.007644$$

$$BEC = 0.05637$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 375.95     | 0.0001 | P   | 17.0 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.033      | 6898.37    | 0.0011 | P   | 0.5  |
| 4 | <input type="checkbox"/> | 50.000   | 49.357     | 308507.83  | 0.0507 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 125.000  | 124.815    | 787811.01  | 0.1281 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 256.553    | 1576451.51 | 0.2633 | M   | 3.7  |
| 7 | <input type="checkbox"/> | 500.000  | 503.948    | 3246433.93 | 0.5172 | A   | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.443    | 6356953.27 | 1.0226 | A   | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 9242.55    | 0.0017 | P   | 7.3  |

$$y = 0.0010 * x + 6.0723E-005$$

$$R = 1.0000$$

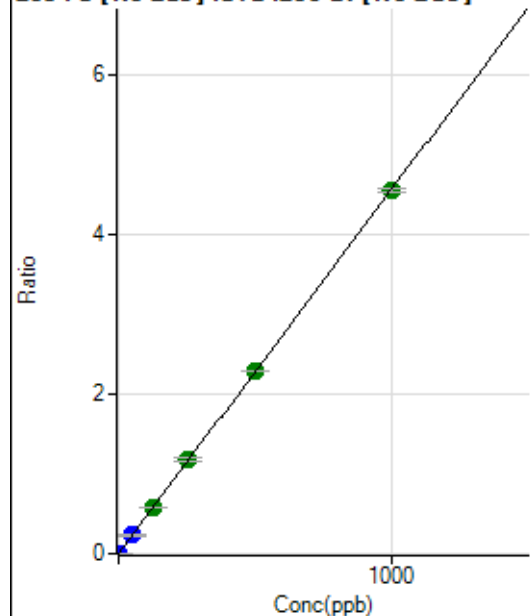
$$DL = 0.03025$$

$$BEC = 0.05917$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | Rj<br>ct                 | Conc.    | Calc Conc. | CPS         | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1642.69     | 0.0003 | P   | 3.4 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |     |     |
| 3 | <input type="checkbox"/> | 1.000    | 1.050      | 31178.96    | 0.0051 | P   | 0.4 |
| 4 | <input type="checkbox"/> | 50.000   | 50.159     | 1396706.30  | 0.2296 | P   | 1.6 |
| 5 | <input type="checkbox"/> | 125.000  | 126.358    | 3553035.62  | 0.5780 | A   | 0.9 |
| 6 | <input type="checkbox"/> | 250.000  | 260.469    | 7130808.23  | 1.1911 | A   | 3.5 |
| 7 | <input type="checkbox"/> | 500.000  | 502.266    | 14415207.61 | 2.2966 | A   | 0.6 |
| 8 | <input type="checkbox"/> | 1000.000 | 996.072    | 28310326.39 | 4.5542 | A   | 1.0 |
| 9 | <input type="checkbox"/> |          |            | 41831.99    | 0.0076 | P   | 5.7 |

$$y = 0.0046 * x + 2.6511E-004$$

$$R = 0.9999$$

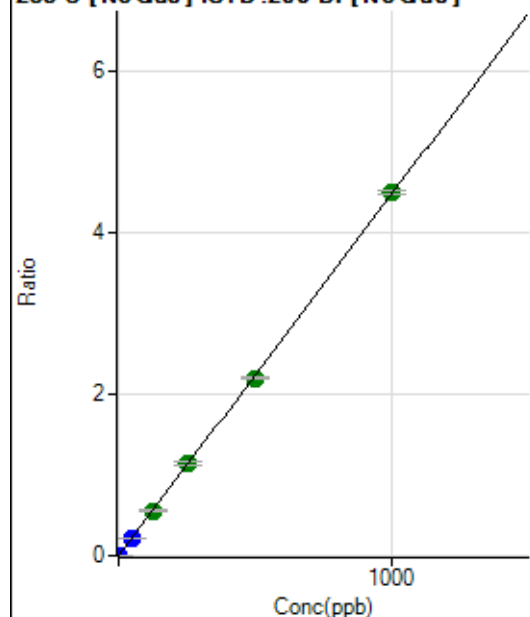
$$DL = 0.005981$$

$$BEC = 0.05799$$

Weight: &lt;None&gt;

Min Conc: 0

238 U [No Gas] ISTD :209 Bi [No Gas]



|   | R <sub>j</sub><br>ct     | Conc.    | Calc Conc. | CPS         | Ratio  | Det. | RSD  |
|---|--------------------------|----------|------------|-------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22       | 0.0000 | P    | 27.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |             |        |      |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.000      | 27573.23    | 0.0045 | P    | 3.6  |
| 4 | <input type="checkbox"/> | 50.000   | 48.219     | 1312684.12  | 0.2158 | P    | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 124.527    | 3425477.68  | 0.5572 | A    | 2.1  |
| 6 | <input type="checkbox"/> | 250.000  | 253.979    | 6802993.95  | 1.1365 | A    | 4.1  |
| 7 | <input type="checkbox"/> | 500.000  | 490.540    | 13777665.24 | 2.1951 | A    | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 1003.884   | 27924277.01 | 4.4922 | A    | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 4634.41     | 0.0008 | P    | 6.2  |

$$y = 0.0045 * x + 7.6346E-006$$

$$R = 0.9999$$

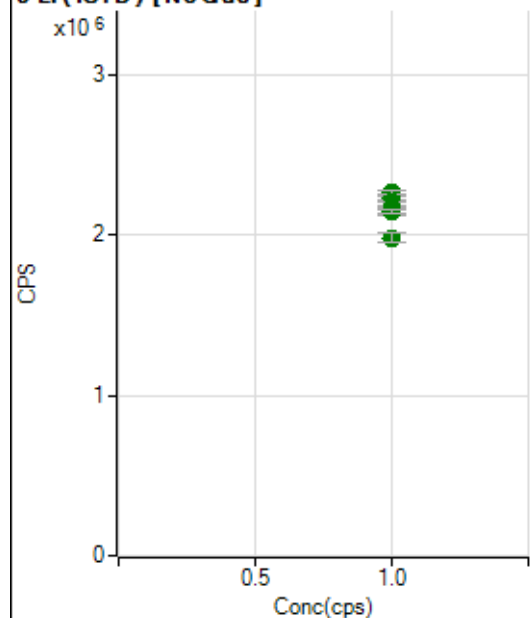
$$DL = 0.001428$$

$$BEC = 0.001706$$

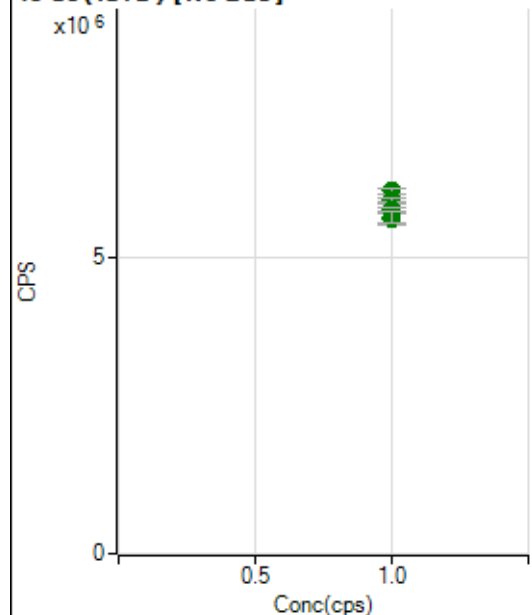
Weight: &lt;None&gt;

Min Conc: 0

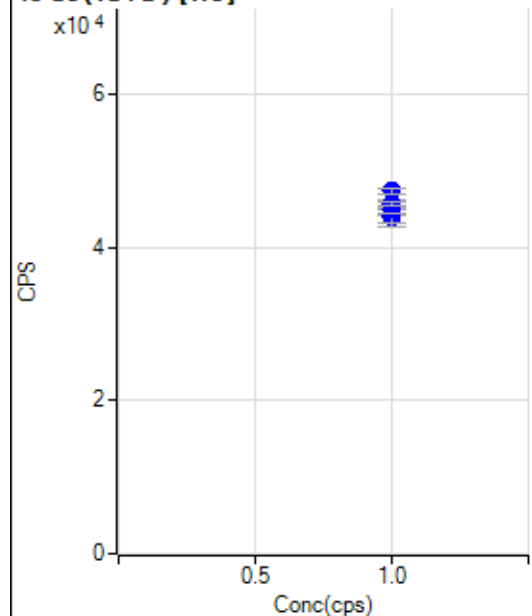
6 Li (ISTD) [No Gas]



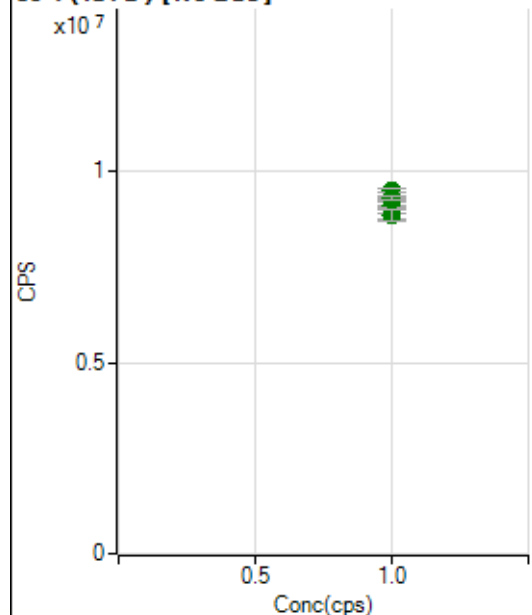
|   | R <sub>j</sub><br>ct     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2235383.06 |       | A    | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |      |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2264862.05 |       | A    | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2209068.35 |       | A    | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2189560.26 |       | A    | 1.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2152297.73 |       | A    | 2.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2172806.68 |       | A    | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2144708.56 |       | A    | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1984944.86 |       | A    | 2.8 |

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

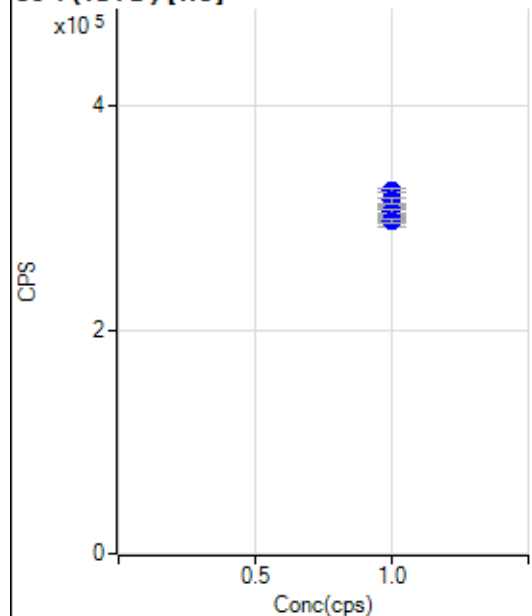
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6135523.27 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 5983792.37 |       | A        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 5822546.44 |       | A        | 1.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 5833353.86 |       | A        | 2.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5659660.15 |       | A        | 3.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 5821855.30 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 5814245.14 |       | A        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5691804.94 |       | A        | 3.6 |

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

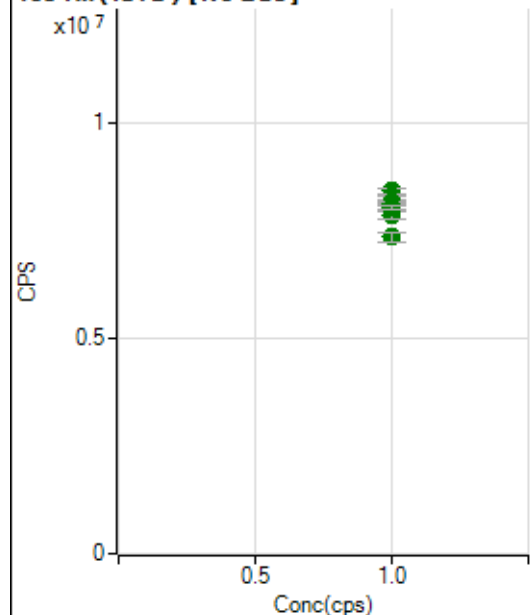
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS      | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 43829.70 |       | P        | 5.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |          |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 47387.58 |       | P        | 1.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 44341.06 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 44308.79 |       | P        | 4.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 45782.38 |       | P        | 1.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 45267.17 |       | P        | 0.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 44858.12 |       | P        | 1.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 45754.35 |       | P        | 1.3 |

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

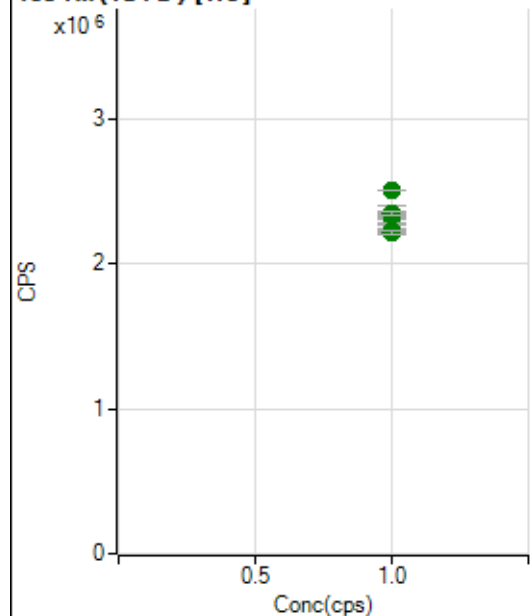
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9492369.65 |       | A        | 0.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 9231535.14 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9055920.91 |       | A        | 1.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9119849.31 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8846353.41 |       | A        | 1.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 9259988.20 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 9298495.90 |       | A        | 1.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 8842770.28 |       | A        | 3.2 |

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

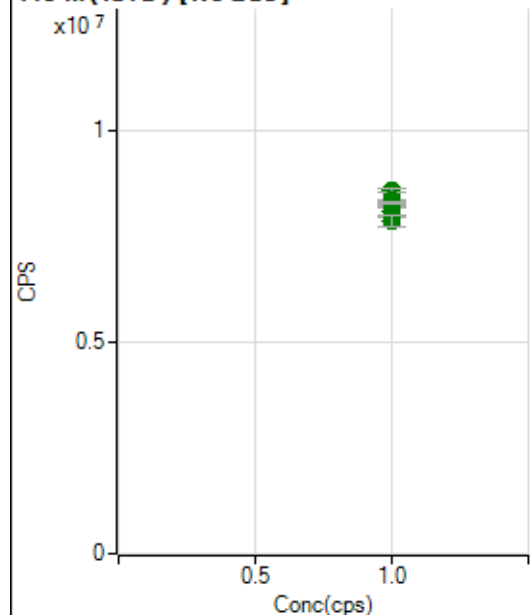
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 300056.32 |       | P        | 5.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 324391.46 |       | P        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 301225.44 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 304504.94 |       | P        | 4.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 306238.31 |       | P        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 305583.32 |       | P        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 297782.36 |       | P        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 316091.49 |       | P        | 1.6 |

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

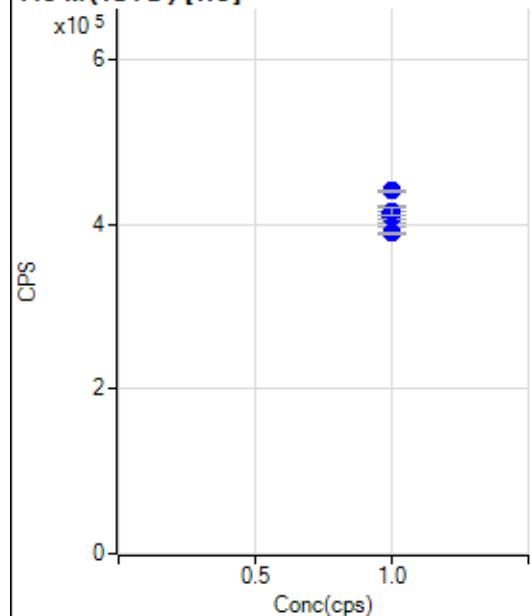
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8424023.80 |       | A        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 8316271.98 |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8175896.28 |       | A        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8141942.80 |       | A        | 1.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 7851190.63 |       | A        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8110186.12 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8037985.85 |       | A        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7351979.77 |       | A        | 3.2 |

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

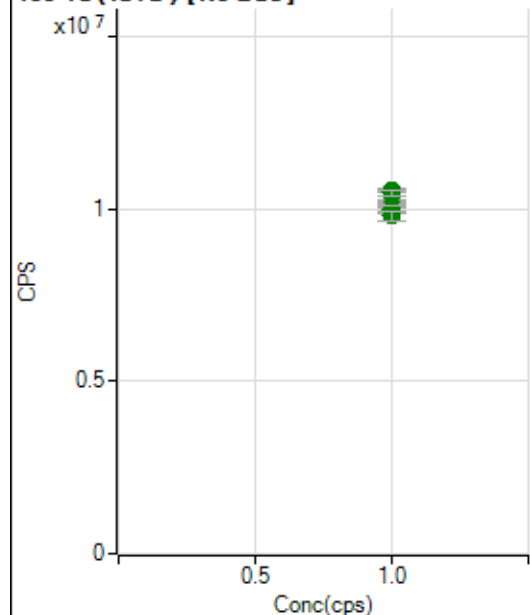
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2337699.41 |       | A        | 5.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2504055.62 |       | A        | 0.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2318369.74 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2338251.42 |       | A        | 5.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2338465.59 |       | A        | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2350905.29 |       | A        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2232202.68 |       | A        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2219478.09 |       | A        | 1.2 |

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

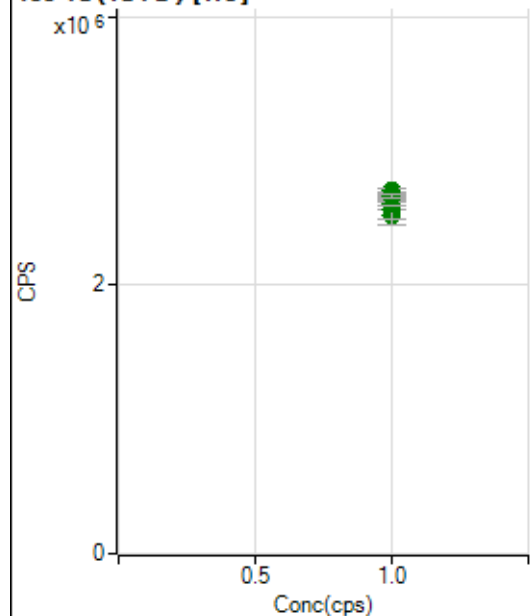
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 8559376.21 |       | A        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 8339342.88 |       | A        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 8243625.53 |       | A        | 1.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 8251476.69 |       | A        | 2.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 8055969.20 |       | A        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 8344834.94 |       | A        | 0.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 8275963.61 |       | A        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 7830451.74 |       | A        | 3.5 |

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

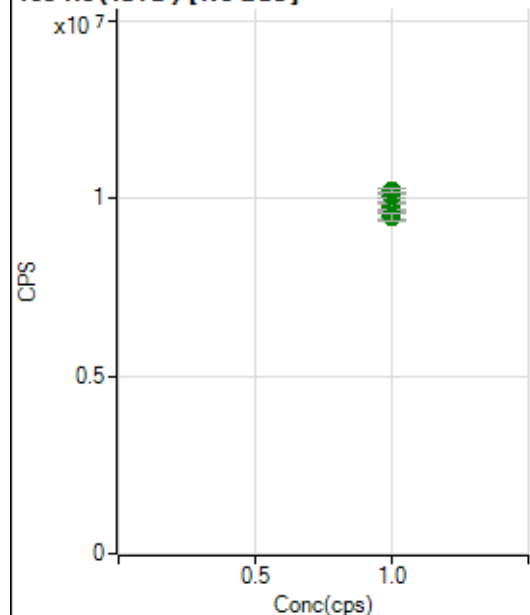
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 407603.84 |       | P        | 5.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 440057.23 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 410153.76 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 412062.03 |       | P        | 4.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 412611.50 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 408755.73 |       | P        | 0.9 |
| 8 | <input type="checkbox"/> | 1.000 |            | 388410.68 |       | P        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 415482.71 |       | P        | 2.0 |

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

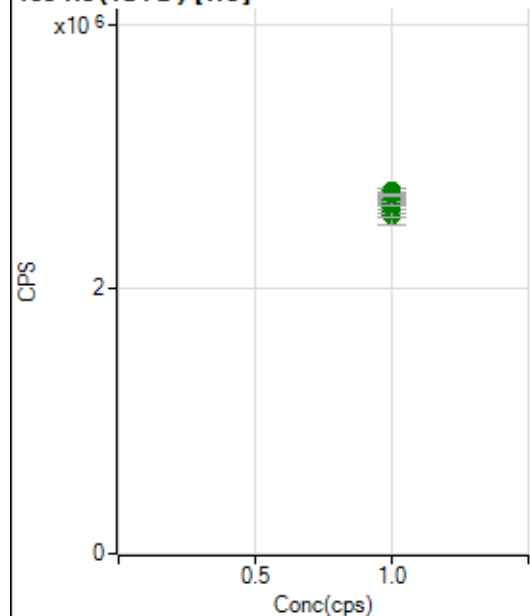
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 10241111.44 |       | A        | 0.8 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 10075097.00 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9985578.19  |       | A        | 1.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 10087644.99 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9994199.57  |       | A        | 2.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10524694.01 |       | A        | 1.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10465597.55 |       | A        | 1.4 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9790270.62  |       | A        | 3.4 |

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

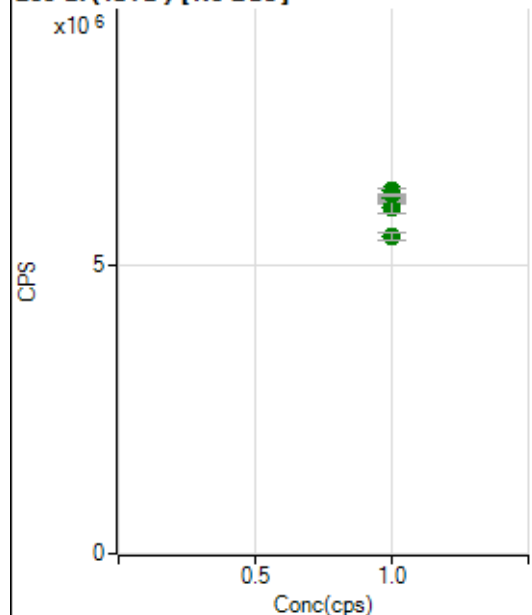
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2516113.00 |       | A        | 5.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2702040.27 |       | A        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2566921.92 |       | A        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2560618.09 |       | A        | 5.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2637153.14 |       | A        | 0.4 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2671586.00 |       | A        | 0.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2607260.03 |       | A        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2666204.53 |       | A        | 1.1 |

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

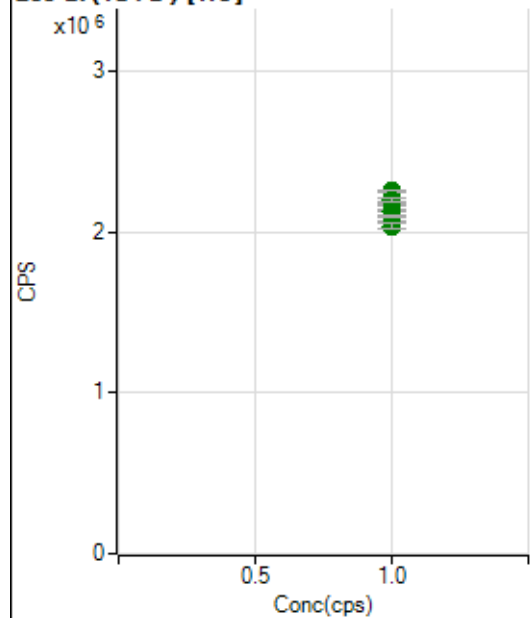
|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS         | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 9786499.26  |       | A        | 2.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |             |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 9631520.53  |       | A        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 9607192.49  |       | A        | 1.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 9714615.93  |       | A        | 2.3 |
| 6 | <input type="checkbox"/> | 1.000 |            | 9544898.13  |       | A        | 3.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 10068264.63 |       | A        | 1.3 |
| 8 | <input type="checkbox"/> | 1.000 |            | 10203014.90 |       | A        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 9457371.31  |       | A        | 2.5 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2563011.59 |       | A        | 6.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2741081.42 |       | A        | 1.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2587398.07 |       | A        | 0.7 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2609681.61 |       | A        | 4.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2669041.18 |       | A        | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2736416.91 |       | A        | 0.0 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2638438.62 |       | A        | 1.1 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2709720.41 |       | A        | 0.8 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 6197437.96 |       | A        | 1.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 6153418.94 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 6084083.59 |       | A        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 6148035.74 |       | A        | 1.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 5991109.21 |       | A        | 3.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 6277111.64 |       | A        | 1.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 6216509.56 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 5497881.79 |       | A        | 2.7 |

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

|   | Rj<br>ct                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 2127877.47 |       | A        | 4.9 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 2258172.31 |       | A        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 2137873.49 |       | A        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 2134569.66 |       | A        | 2.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 2195749.88 |       | A        | 1.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 2200740.19 |       | A        | 0.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 2100069.73 |       | A        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 2037330.25 |       | A        | 1.6 |

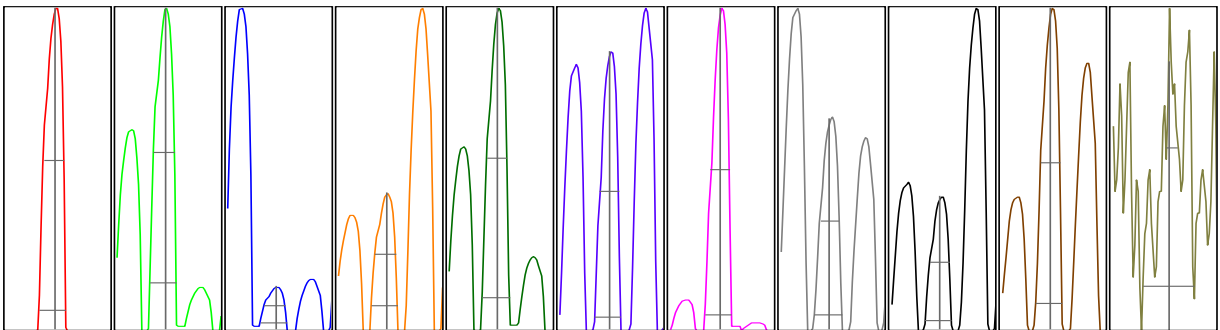
US EPA Tune Check Sample Report

Batch Folder D:\P8110218-MS.b  
Report Comment  
Instrument Name G8403A JP17141814

| [No Gas] |                 |                  |                    |                |
|----------|-----------------|------------------|--------------------|----------------|
| Mass     | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
| 9        | 10106           | 1.42             | 5.00               |                |
| 24       | 84480           | 1.30             | 5.00               |                |
| 25       | 11728           | 1.54             | 5.00               |                |
| 26       | 14155           | 1.46             | 5.00               |                |
| 59       | 87909           | 1.21             | 5.00               |                |
| 113      | 10152           | 1.18             | 5.00               |                |
| 115      | 122669          | 1.71             | 5.00               |                |
| 206      | 26386           | 1.58             | 5.00               |                |
| 207      | 23922           | 2.18             | 5.00               |                |
| 208      | 56188           | 1.42             | 5.00               |                |
| 220      | 1               | 16.84            |                    |                |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 10044                | 10066                | 9979                 | 10352                | 10089                |
| 24   | 84032                | 84587                | 83264                | 86244                | 84271                |
| 25   | 11599                | 11715                | 11551                | 12014                | 11761                |
| 26   | 14030                | 14129                | 13974                | 14505                | 14139                |
| 59   | 87155                | 88330                | 86904                | 89552                | 87604                |
| 113  | 10123                | 10153                | 10012                | 10343                | 10129                |
| 115  | 122517               | 122668               | 120712               | 126134               | 121313               |
| 206  | 26072                | 26283                | 26068                | 27083                | 26426                |
| 207  | 23623                | 23806                | 23399                | 24759                | 24025                |
| 208  | 55502                | 56182                | 55471                | 57420                | 56364                |
| 220  | 1                    | 1                    | 2                    | 1                    | 1                    |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 18011          | 8.95             | 8.9 - 9.1          |                | 0.765                | 0.900                  |                        |
| 24   | 147790         | 23.95            | 23.9 - 24.1        |                | 0.748                | 0.900                  |                        |
| 25   | 20047          | 24.95            | 24.9 - 25.1        |                | 0.760                | 0.900                  |                        |
| 26   | 23834          | 25.95            | 25.9 - 26.1        |                | 0.740                | 0.900                  |                        |
| 59   | 158240         | 58.95            | 58.9 - 59.1        |                | 0.782                | 0.900                  |                        |
| 113  | 19659          | 113.00           | 112.9 - 113.1      |                | 0.735                | 0.900                  |                        |
| 115  | 237523         | 115.00           | 114.9 - 115.1      |                | 0.763                | 0.900                  |                        |
| 206  | 48326          | 205.95           | 205.9 - 206.1      |                | 0.783                | 0.900                  |                        |
| 207  | 44119          | 206.95           | 206.9 - 207.1      |                | 0.739                | 0.900                  |                        |
| 208  | 106056         | 207.95           | 207.9 - 208.1      |                | 0.745                | 0.900                  |                        |
| 220  | 2              | 220.20           | -                  |                | 1.441                |                        |                        |

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

Tune Parameters

## Plasma Paramters ##

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

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 9.0   | V    | Deflect       | 14.4  | V    |
| Extract 2     | -220.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -95    | V    | Cell Exit     | -50   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|------|
| Use Gas       | No    |        | OctP Bias     | -8.0  | V    | Energy Discrimination | 5.0   | V    |
| He Flow       | 0.0   | mL/min | OctP RF       | 200   | V    |                       |       |      |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 10178           | 4.10             |                    |
| 89   | 2829            | 4.47             |                    |
| 205  | 15279           | 2.96             |                    |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 9730                 | 9727                 | 10520                | 10556                | 10356                |
| 89   | 2688                 | 2698                 | 2933                 | 2944                 | 2884                 |
| 205  | 14792                | 14824                | 15768                | 15637                | 15376                |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

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

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 9.0   | V    | Deflect       | 2.8   | V    |
| Extract 2     | -220.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -95    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

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

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | TUNE                | Instrumnet Name : | P8        |
| Client Sample ID :      | TUNE                | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 12:33:36 | DataFile Name :   | 001SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  |         |         |         |            |         | ppb   |
| Antimony   | 121-1 |         |         |         |            |         | ppb   |
| Arsenic    | 75-1  |         |         |         |            |         | ppb   |
| Barium     | 135-1 |         |         |         |            |         | ppb   |
| Barium     | 137-1 |         |         |         |            |         | ppb   |
| Beryllium  | 9-1   |         |         |         |            |         | ppb   |
| Bismuth    | 209-1 |         |         |         | 89         |         | %     |
| Bismuth    | 209-2 |         |         |         | 97         |         | %     |
| Boron      | 11-1  |         |         |         |            |         | ppb   |
| Boron      | 10-1  |         |         |         |            |         | ppb   |
| Cadmium    | 106-1 |         |         |         |            |         | ppb   |
| Cadmium    | 108-1 |         |         |         |            |         | ppb   |
| Cadmium    | 111-1 |         |         |         |            |         | ppb   |
| Calcium    | 43-1  |         |         |         |            |         | ppb   |
| Calcium    | 44-1  |         |         |         |            |         | ppb   |
| Chromium   | 52-2  |         |         |         |            |         | ppb   |
| Cobalt     | 59-2  |         |         |         |            |         | ppb   |
| Copper     | 63-2  |         |         |         |            |         | 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 |         |         |         | 89         |         | %     |
| Holmium    | 165-2 |         |         |         | 97         |         | %     |
| Indium     | 115-1 |         |         |         | 88         |         | %     |
| Indium     | 115-2 |         |         |         | 98         |         | %     |
| Iron       | 56-2  |         |         |         |            |         | ppb   |
| Iron       | 57-2  |         |         |         |            |         | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 |         |         |         |            |         | ppb   |
| Lead       | 208-1 |         |         |         |            |         | ppb   |
| Lead       | 206-1 |         |         |         |            |         | ppb   |
| Lithium    | 6-1   |         |         |         | 86         |         | %     |
| Magnesium  | 24-2  |         |         |         |            |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | TUNE                | Instrumnet Name : | P8        |
| Client Sample ID :      | TUNE                | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 12:33:36 | DataFile Name :   | 001SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  |         |         |         |            |         | ppb   |
| Molybdenum | 94-1  |         |         |         |            |         | ppb   |
| Molybdenum | 95-1  |         |         |         |            |         | ppb   |
| Molybdenum | 96-1  |         |         |         |            |         | ppb   |
| Molybdenum | 97-1  |         |         |         |            |         | ppb   |
| Molybdenum | 98-1  |         |         |         |            |         | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  |         |         |         |            |         | ppb   |
| Phosphorus | 31-2  |         |         |         |            |         | ppb   |
| Potassium  | 39-2  |         |         |         |            |         | ppb   |
| Rhodium    | 103-1 |         |         |         | 88         |         | %     |
| Rhodium    | 103-2 |         |         |         | 96         |         | %     |
| Scandium   | 45-1  |         |         |         | 87         |         | %     |
| Scandium   | 45-2  |         |         |         | 96         |         | %     |
| Selenium   | 77-2  |         |         |         |            |         | ppb   |
| Selenium   | 78-2  |         |         |         |            |         | ppb   |
| Selenium   | 82-1  |         |         |         |            |         | ppb   |
| Silicon    | 28-1  |         |         |         |            |         | ppb   |
| Silver     | 109-1 |         |         |         |            |         | ppb   |
| Silver     | 107-1 |         |         |         |            |         | ppb   |
| Sodium     | 23-2  |         |         |         |            |         | ppb   |
| Strontium  | 86-1  |         |         |         |            |         | ppb   |
| Strontium  | 88-1  |         |         |         |            |         | ppb   |
| Sulfur     | 34-1  |         |         |         |            |         | ppb   |
| Terbium    | 159-1 |         |         |         | 88         |         | %     |
| Terbium    | 159-2 |         |         |         | 97         |         | %     |
| Thallium   | 203-1 |         |         |         |            |         | ppb   |
| Thallium   | 205-1 |         |         |         |            |         | ppb   |
| Tin        | 118-1 |         |         |         |            |         | ppb   |
| Titanium   | 47-1  |         |         |         |            |         | ppb   |
| Uranium    | 238-1 |         |         |         |            |         | ppb   |
| Vanadium   | 51-2  |         |         |         |            |         | ppb   |
| Yttrium    | 89-1  |         |         |         | 88         |         | %     |
| Yttrium    | 89-2  |         |         |         | 98         |         | %     |
| Zinc       | 66-2  |         |         |         |            |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | TUNE                | Instrumnet Name : | P8        |
| Client Sample ID :      | TUNE                | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 12:33:36 | DataFile Name :   | 001SMPL.d |

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

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:18:36 | DataFile Name :   | 004CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.13    | 0.41    | -0.54   | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Arsenic    | 75-1  | -0.01   | 0.02    | -0.01   | 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   | -0.01   | -0.01   | 0.02    | 0.00       | N/A     | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 11-1  | 0.01    | 0.01    | -0.01   | 0.00       | N/A     | ppb   |
| Boron      | 10-1  | -0.03   | 0.09    | -0.05   | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | 0.15    | 0.41    | -0.56   | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | -0.01   | -0.03   | 0.05    | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | 0.01    | 0.03    | -0.04   | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | -1.54   | 1.60    | -0.06   | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | -0.08   | 0.38    | -0.30   | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | 0.01    | -0.01   | -0.01   | 0.00       | N/A     | ppb   |
| Cobalt     | 59-2  | 0.00    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Copper     | 63-2  | -0.02   | 0.01    | 0.02    | 0.00       | N/A     | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 100        |         | %     |
| Holmium    | 165-2 |         |         |         | 100        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 100        |         | %     |
| Iron       | 56-2  | 0.17    | -0.27   | 0.10    | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | -0.50   | 0.12    | 0.38    | 0.00       | N/A     | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 0.01    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Lead       | 208-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lead       | 206-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | -0.42   | 1.15    | -0.73   | 0.00       | N/A     | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : S0 Instrumnet Name : P8  
 Client Sample ID : S0 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 14:18:36 DataFile Name : 004CALB.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | -0.02   | -0.01   | 0.03    | 0.00       | N/A     | ppb   |
| Molybdenum | 94-1  | -0.01   | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 96-1  | 0.00    | 0.01    | -0.01   | 0.00       | N/A     | ppb   |
| Molybdenum | 97-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Molybdenum | 98-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.04    | -0.02   | -0.02   | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | 8.62    | 17.89   | -14.64  | 3.96       | 423.64  | ppb   |
| Potassium  | 39-2  | 9.78    | -18.04  | 8.26    | 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  | 1.06    | -0.80   | -0.26   | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | -0.06   | 0.01    | 0.04    | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | 0.12    | -0.63   | 0.51    | 0.00       | N/A     | ppb   |
| Silver     | 109-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Silver     | 107-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sodium     | 23-2  | 1.01    | -3.79   | 2.78    | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | -0.03   | 0.02    | 0.01    | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | -68.67  | -496.87 | 235.43  | -110.03    |         | 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   |
| Tin        | 118-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | -0.01   | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Vanadium   | 51-2  | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Yttrium    | 89-1  |         |         |         | 100        |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |
| Zinc       | 66-2  | -0.02   | 0.06    | -0.04   | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:18:36 | DataFile Name :   | 004CALB.d |

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

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:26:14 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 19.11   | 18.37   | 17.11   | 18.20      | 5.58    | ppb   |
| Antimony   | 121-1 | 2.07    | 2.11    | 2.10    | 2.09       | 0.96    | ppb   |
| Arsenic    | 75-1  | 1.17    | 1.09    | 1.09    | 1.11       | 4.13    | ppb   |
| Barium     | 135-1 | 10.55   | 10.63   | 10.50   | 10.56      | 0.64    | ppb   |
| Barium     | 137-1 | 10.32   | 10.04   | 10.16   | 10.17      | 1.40    | ppb   |
| Beryllium  | 9-1   | 0.99    | 1.01    | 1.09    | 1.03       | 5.20    | ppb   |
| Bismuth    | 209-1 |         |         |         | 99         |         | %     |
| Bismuth    | 209-2 |         |         |         | 106        |         | %     |
| Boron      | 11-1  | 24.60   | 23.88   | 25.39   | 24.62      | 3.08    | ppb   |
| Boron      | 10-1  | 23.92   | 25.81   | 26.41   | 25.38      | 5.10    | ppb   |
| Cadmium    | 106-1 | 1.76    | 2.19    | 0.85    | 1.60       | 42.84   | ppb   |
| Cadmium    | 108-1 | 1.12    | 0.92    | 1.02    | 1.02       | 9.64    | ppb   |
| Cadmium    | 111-1 | 1.08    | 1.21    | 1.05    | 1.12       | 7.77    | ppb   |
| Calcium    | 43-1  | 479.18  | 490.65  | 507.88  | 492.57     | 2.93    | ppb   |
| Calcium    | 44-1  | 492.28  | 489.47  | 493.76  | 491.84     | 0.44    | ppb   |
| Chromium   | 52-2  | 2.21    | 2.12    | 2.06    | 2.13       | 3.58    | ppb   |
| Cobalt     | 59-2  | 1.05    | 1.03    | 1.04    | 1.04       | 0.64    | ppb   |
| Copper     | 63-2  | 2.20    | 1.91    | 1.93    | 2.02       | 7.85    | 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 |         |         |         | 98         |         | %     |
| Holmium    | 165-2 |         |         |         | 107        |         | %     |
| Indium     | 115-1 |         |         |         | 97         |         | %     |
| Indium     | 115-2 |         |         |         | 108        |         | %     |
| Iron       | 56-2  | 53.42   | 51.51   | 53.84   | 52.93      | 2.35    | ppb   |
| Iron       | 57-2  | 55.78   | 49.11   | 53.58   | 52.82      | 6.43    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 1.03    | 1.04    | 1.03    | 1.03       | 0.56    | ppb   |
| Lead       | 208-1 | 1.05    | 1.05    | 1.05    | 1.05       | 0.39    | ppb   |
| Lead       | 206-1 | 1.04    | 1.04    | 1.05    | 1.04       | 0.26    | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 545.74  | 518.62  | 551.18  | 538.52     | 3.24    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:26:14 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 1.01    | 1.03    | 1.14    | 1.06       | 6.25    | ppb   |
| Molybdenum | 94-1  | 4.96    | 5.20    | 5.43    | 5.20       | 4.56    | ppb   |
| Molybdenum | 95-1  | 4.94    | 5.12    | 5.11    | 5.06       | 1.91    | ppb   |
| Molybdenum | 96-1  | 5.22    | 5.13    | 5.27    | 5.20       | 1.34    | ppb   |
| Molybdenum | 97-1  | 5.14    | 5.10    | 5.12    | 5.12       | 0.34    | ppb   |
| Molybdenum | 98-1  | 5.25    | 5.00    | 5.24    | 5.17       | 2.77    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.23    | 1.04    | 1.08    | 1.12       | 9.18    | ppb   |
| Phosphorus | 31-2  | -3.96   | -14.64  | 6.73    | -3.96      |         | ppb   |
| Potassium  | 39-2  | 462.66  | 507.47  | 508.67  | 492.93     | 5.32    | ppb   |
| Rhodium    | 103-1 |         |         |         | 99         |         | %     |
| Rhodium    | 103-2 |         |         |         | 107        |         | %     |
| Scandium   | 45-1  |         |         |         | 98         |         | %     |
| Scandium   | 45-2  |         |         |         | 108        |         | %     |
| Selenium   | 77-2  | 5.62    | 0.00    | 2.82    | 2.81       | 99.89   | ppb   |
| Selenium   | 78-2  | 4.30    | 1.28    | 5.60    | 3.73       | 59.51   | ppb   |
| Selenium   | 82-1  | 5.57    | 6.04    | 4.28    | 5.30       | 17.21   | ppb   |
| Silicon    | 28-1  | 19.42   | 20.04   | 20.40   | 19.96      | 2.49    | ppb   |
| Silver     | 109-1 | 1.02    | 1.06    | 1.10    | 1.06       | 3.88    | ppb   |
| Silver     | 107-1 | 1.11    | 1.08    | 1.08    | 1.09       | 1.70    | ppb   |
| Sodium     | 23-2  | 534.31  | 521.45  | 547.69  | 534.48     | 2.45    | ppb   |
| Strontium  | 86-1  | 1.18    | 1.07    | 1.06    | 1.10       | 5.81    | ppb   |
| Strontium  | 88-1  | 1.07    | 1.06    | 1.03    | 1.05       | 2.26    | ppb   |
| Sulfur     | 34-1  | -241.32 | 278.22  | 293.20  | 110.03     | 276.62  | ppb   |
| Terbium    | 159-1 |         |         |         | 98         |         | %     |
| Terbium    | 159-2 |         |         |         | 107        |         | %     |
| Thallium   | 203-1 | 1.02    | 1.03    | 1.02    | 1.02       | 0.62    | ppb   |
| Thallium   | 205-1 | 1.07    | 1.01    | 1.05    | 1.04       | 2.98    | ppb   |
| Tin        | 118-1 | 5.13    | 5.27    | 5.26    | 5.22       | 1.56    | ppb   |
| Titanium   | 47-1  | 5.17    | 5.10    | 5.25    | 5.17       | 1.42    | ppb   |
| Uranium    | 238-1 | 1.02    | 0.96    | 1.02    | 1.00       | 3.65    | ppb   |
| Vanadium   | 51-2  | 4.97    | 4.71    | 5.02    | 4.90       | 3.37    | ppb   |
| Yttrium    | 89-1  |         |         |         | 97         |         | %     |
| Yttrium    | 89-2  |         |         |         | 108        |         | %     |
| Zinc       | 66-2  | 2.43    | 1.73    | 2.47    | 2.21       | 18.93   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:26:14 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 1.04    | 1.03    | 1.05    | 1.04       | 0.94    | ppb   |
| Zirconium | 91-1 | 0.96    | 1.04    | 1.02    | 1.01       | 4.08    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:29:58 | DataFile Name :   | 007CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1005.85 | 1065.55 | 992.87  | 1021.42    | 3.80    | ppb   |
| Antimony   | 121-1 | 50.69   | 50.96   | 52.56   | 51.40      | 1.96    | ppb   |
| Arsenic    | 75-1  | 50.09   | 50.76   | 51.68   | 50.84      | 1.58    | ppb   |
| Barium     | 135-1 | 254.33  | 257.93  | 262.67  | 258.31     | 1.62    | ppb   |
| Barium     | 137-1 | 252.44  | 253.46  | 259.23  | 255.04     | 1.44    | ppb   |
| Beryllium  | 9-1   | 50.34   | 50.86   | 51.83   | 51.01      | 1.48    | ppb   |
| Bismuth    | 209-1 |         |         |         | 98         |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 11-1  | 48.69   | 50.01   | 50.77   | 49.82      | 2.11    | ppb   |
| Boron      | 10-1  | 49.25   | 51.10   | 49.31   | 49.89      | 2.12    | ppb   |
| Cadmium    | 106-1 | 52.97   | 52.08   | 51.99   | 52.34      | 1.03    | ppb   |
| Cadmium    | 108-1 | 51.45   | 51.81   | 54.76   | 52.67      | 3.44    | ppb   |
| Cadmium    | 111-1 | 51.26   | 52.00   | 53.36   | 52.20      | 2.04    | ppb   |
| Calcium    | 43-1  | 4891.78 | 4863.81 | 5157.46 | 4971.02    | 3.26    | ppb   |
| Calcium    | 44-1  | 4924.17 | 4937.82 | 5064.11 | 4975.37    | 1.55    | ppb   |
| Chromium   | 52-2  | 52.02   | 52.73   | 52.01   | 52.25      | 0.79    | ppb   |
| Cobalt     | 59-2  | 52.09   | 53.38   | 52.28   | 52.58      | 1.32    | ppb   |
| Copper     | 63-2  | 106.03  | 106.95  | 107.15  | 106.71     | 0.56    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 98         |         | %     |
| Holmium    | 165-2 |         |         |         | 101        |         | %     |
| Indium     | 115-1 |         |         |         | 96         |         | %     |
| Indium     | 115-2 |         |         |         | 101        |         | %     |
| Iron       | 56-2  | 2748.34 | 2769.62 | 2702.20 | 2740.05    | 1.26    | ppb   |
| Iron       | 57-2  | 2692.62 | 2703.85 | 2655.46 | 2683.98    | 0.94    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 49.07   | 48.78   | 50.22   | 49.36      | 1.55    | ppb   |
| Lead       | 208-1 | 49.74   | 49.68   | 51.06   | 50.16      | 1.55    | ppb   |
| Lead       | 206-1 | 49.63   | 49.91   | 51.22   | 50.25      | 1.69    | ppb   |
| Lithium    | 6-1   |         |         |         | 99         |         | %     |
| Magnesium  | 24-2  | 5508.12 | 5595.65 | 5463.10 | 5522.29    | 1.22    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:29:58 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 105.75  | 105.81  | 103.62  | 105.06     | 1.19    | ppb   |
| Molybdenum | 94-1  | 252.86  | 252.86  | 260.38  | 255.37     | 1.70    | ppb   |
| Molybdenum | 95-1  | 250.46  | 250.48  | 254.77  | 251.90     | 0.99    | ppb   |
| Molybdenum | 96-1  | 252.21  | 253.42  | 260.83  | 255.49     | 1.83    | ppb   |
| Molybdenum | 97-1  | 249.83  | 249.39  | 260.36  | 253.19     | 2.45    | ppb   |
| Molybdenum | 98-1  | 251.18  | 249.99  | 265.37  | 255.51     | 3.35    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 53.83   | 53.70   | 53.72   | 53.75      | 0.13    | ppb   |
| Phosphorus | 31-2  | 903.47  | 895.57  | 943.40  | 914.15     | 2.80    | ppb   |
| Potassium  | 39-2  | 2653.25 | 2705.78 | 2563.99 | 2641.01    | 2.71    | ppb   |
| Rhodium    | 103-1 |         |         |         | 97         |         | %     |
| Rhodium    | 103-2 |         |         |         | 99         |         | %     |
| Scandium   | 45-1  |         |         |         | 95         |         | %     |
| Scandium   | 45-2  |         |         |         | 101        |         | %     |
| Selenium   | 77-2  | 51.45   | 63.07   | 72.19   | 62.24      | 16.71   | ppb   |
| Selenium   | 78-2  | 42.77   | 50.18   | 52.99   | 48.65      | 10.85   | ppb   |
| Selenium   | 82-1  | 52.78   | 51.31   | 52.15   | 52.08      | 1.41    | ppb   |
| Silicon    | 28-1  | 71.28   | 72.95   | 76.23   | 73.49      | 3.43    | ppb   |
| Silver     | 109-1 | 52.12   | 52.84   | 54.39   | 53.12      | 2.18    | ppb   |
| Silver     | 107-1 | 52.17   | 52.47   | 54.24   | 52.96      | 2.11    | ppb   |
| Sodium     | 23-2  | 5570.03 | 5593.93 | 5485.72 | 5549.89    | 1.02    | ppb   |
| Strontium  | 86-1  | 49.48   | 50.26   | 52.09   | 50.61      | 2.65    | ppb   |
| Strontium  | 88-1  | 51.39   | 51.30   | 53.04   | 51.91      | 1.89    | ppb   |
| Sulfur     | 34-1  | 1983.27 | 1783.46 | 2762.59 | 2176.44    | 23.77   | ppb   |
| Terbium    | 159-1 |         |         |         | 98         |         | %     |
| Terbium    | 159-2 |         |         |         | 102        |         | %     |
| Thallium   | 203-1 | 49.01   | 49.38   | 50.32   | 49.57      | 1.36    | ppb   |
| Thallium   | 205-1 | 49.73   | 49.91   | 51.07   | 50.24      | 1.44    | ppb   |
| Tin        | 118-1 | 50.55   | 51.22   | 53.07   | 51.61      | 2.52    | ppb   |
| Titanium   | 47-1  | 249.91  | 255.64  | 257.97  | 254.51     | 1.63    | ppb   |
| Uranium    | 238-1 | 47.72   | 47.84   | 49.09   | 48.22      | 1.58    | ppb   |
| Vanadium   | 51-2  | 51.43   | 51.47   | 50.59   | 51.16      | 0.97    | ppb   |
| Yttrium    | 89-1  |         |         |         | 95         |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |
| Zinc       | 66-2  | 105.81  | 105.77  | 102.50  | 104.69     | 1.81    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:29:58 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 50.10   | 50.09   | 51.77   | 50.65      | 1.91    | ppb   |
| Zirconium | 91-1 | 49.61   | 49.57   | 50.80   | 50.00      | 1.40    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:33:40 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2665.01  | 2531.27  | 2362.59  | 2519.62    | 6.01    | ppb   |
| Antimony   | 121-1 | 128.42   | 127.35   | 131.81   | 129.19     | 1.80    | ppb   |
| Arsenic    | 75-1  | 125.69   | 123.79   | 130.75   | 126.74     | 2.84    | ppb   |
| Barium     | 135-1 | 647.13   | 637.60   | 661.42   | 648.72     | 1.85    | ppb   |
| Barium     | 137-1 | 642.42   | 635.97   | 652.38   | 643.59     | 1.28    | ppb   |
| Beryllium  | 9-1   | 126.21   | 126.94   | 129.38   | 127.51     | 1.30    | ppb   |
| Bismuth    | 209-1 |          |          |          | 99         |         | %     |
| Bismuth    | 209-2 |          |          |          | 100        |         | %     |
| Boron      | 11-1  | 121.04   | 123.35   | 128.94   | 124.44     | 3.27    | ppb   |
| Boron      | 10-1  | 121.40   | 124.98   | 129.05   | 125.14     | 3.06    | ppb   |
| Cadmium    | 106-1 | 132.16   | 125.07   | 131.14   | 129.46     | 2.96    | ppb   |
| Cadmium    | 108-1 | 128.92   | 128.64   | 129.48   | 129.01     | 0.33    | ppb   |
| Cadmium    | 111-1 | 129.74   | 127.42   | 131.70   | 129.62     | 1.66    | ppb   |
| Calcium    | 43-1  | 12433.99 | 12028.57 | 12846.48 | 12436.35   | 3.29    | ppb   |
| Calcium    | 44-1  | 12321.13 | 11923.35 | 12669.26 | 12304.58   | 3.03    | ppb   |
| Chromium   | 52-2  | 136.98   | 130.09   | 121.40   | 129.49     | 6.03    | ppb   |
| Cobalt     | 59-2  | 137.19   | 133.43   | 122.53   | 131.05     | 5.81    | ppb   |
| Copper     | 63-2  | 278.41   | 274.03   | 248.77   | 267.07     | 5.99    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 99         |         | %     |
| Holmium    | 165-2 |          |          |          | 102        |         | %     |
| Indium     | 115-1 |          |          |          | 96         |         | %     |
| Indium     | 115-2 |          |          |          | 101        |         | %     |
| Iron       | 56-2  | 6957.22  | 6695.64  | 6218.47  | 6623.77    | 5.66    | ppb   |
| Iron       | 57-2  | 7078.29  | 6819.92  | 6310.20  | 6736.14    | 5.80    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 124.08   | 124.07   | 126.29   | 124.81     | 1.02    | ppb   |
| Lead       | 208-1 | 126.52   | 125.15   | 127.40   | 126.36     | 0.90    | ppb   |
| Lead       | 206-1 | 125.20   | 124.64   | 126.61   | 125.48     | 0.81    | ppb   |
| Lithium    | 6-1   |          |          |          | 98         |         | %     |
| Magnesium  | 24-2  | 14474.90 | 14080.77 | 12887.05 | 13814.24   | 5.99    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:33:40 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 275.91   | 263.96   | 244.52   | 261.46     | 6.06    | ppb   |
| Molybdenum | 94-1  | 628.20   | 636.29   | 657.01   | 640.50     | 2.32    | ppb   |
| Molybdenum | 95-1  | 629.54   | 628.86   | 651.15   | 636.51     | 1.99    | ppb   |
| Molybdenum | 96-1  | 632.17   | 631.98   | 661.62   | 641.92     | 2.66    | ppb   |
| Molybdenum | 97-1  | 649.59   | 629.25   | 666.05   | 648.29     | 2.84    | ppb   |
| Molybdenum | 98-1  | 630.62   | 622.29   | 650.99   | 634.63     | 2.33    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 139.28   | 135.20   | 124.42   | 132.97     | 5.77    | ppb   |
| Phosphorus | 31-2  | 2622.99  | 2625.13  | 2394.06  | 2547.39    | 5.21    | ppb   |
| Potassium  | 39-2  | 6957.96  | 6662.31  | 6138.66  | 6586.31    | 6.30    | ppb   |
| Rhodium    | 103-1 |          |          |          | 97         |         | %     |
| Rhodium    | 103-2 |          |          |          | 100        |         | %     |
| Scandium   | 45-1  |          |          |          | 95         |         | %     |
| Scandium   | 45-2  |          |          |          | 101        |         | %     |
| Selenium   | 77-2  | 187.61   | 177.06   | 115.84   | 160.17     | 24.19   | ppb   |
| Selenium   | 78-2  | 132.47   | 131.02   | 114.75   | 126.08     | 7.81    | ppb   |
| Selenium   | 82-1  | 128.61   | 126.79   | 130.88   | 128.76     | 1.59    | ppb   |
| Silicon    | 28-1  | 146.13   | 140.00   | 149.54   | 145.22     | 3.33    | ppb   |
| Silver     | 109-1 | 134.69   | 131.63   | 135.67   | 133.99     | 1.57    | ppb   |
| Silver     | 107-1 | 133.68   | 129.23   | 135.49   | 132.80     | 2.43    | ppb   |
| Sodium     | 23-2  | 14891.76 | 14325.04 | 13077.09 | 14097.97   | 6.59    | ppb   |
| Strontium  | 86-1  | 126.86   | 125.40   | 129.72   | 127.33     | 1.73    | ppb   |
| Strontium  | 88-1  | 127.30   | 125.29   | 131.19   | 127.93     | 2.34    | ppb   |
| Sulfur     | 34-1  | 3578.44  | 2374.54  | 4009.59  | 3320.86    | 25.52   | ppb   |
| Terbium    | 159-1 |          |          |          | 99         |         | %     |
| Terbium    | 159-2 |          |          |          | 102        |         | %     |
| Thallium   | 203-1 | 124.12   | 123.12   | 126.43   | 124.56     | 1.36    | ppb   |
| Thallium   | 205-1 | 127.28   | 124.66   | 127.91   | 126.61     | 1.36    | ppb   |
| Tin        | 118-1 | 128.15   | 127.28   | 132.14   | 129.19     | 2.00    | ppb   |
| Titanium   | 47-1  | 642.34   | 612.56   | 657.83   | 637.58     | 3.61    | ppb   |
| Uranium    | 238-1 | 123.10   | 122.92   | 127.56   | 124.53     | 2.11    | ppb   |
| Vanadium   | 51-2  | 134.80   | 129.16   | 119.41   | 127.79     | 6.09    | ppb   |
| Yttrium    | 89-1  |          |          |          | 96         |         | %     |
| Yttrium    | 89-2  |          |          |          | 101        |         | %     |
| Zinc       | 66-2  | 271.94   | 280.59   | 245.72   | 266.08     | 6.82    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:33:40 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 128.09  | 126.86  | 131.48  | 128.81     | 1.86    | ppb   |
| Zirconium | 91-1 | 125.17  | 121.94  | 129.17  | 125.43     | 2.89    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:37:14 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4877.15  | 4792.63  | 4731.65  | 4800.48    | 1.52    | ppb   |
| Antimony   | 121-1 | 255.17   | 270.39   | 264.36   | 263.31     | 2.91    | ppb   |
| Arsenic    | 75-1  | 255.05   | 266.53   | 266.59   | 262.72     | 2.53    | ppb   |
| Barium     | 135-1 | 1277.71  | 1356.05  | 1335.61  | 1323.12    | 3.07    | ppb   |
| Barium     | 137-1 | 1248.65  | 1330.74  | 1315.35  | 1298.25    | 3.36    | ppb   |
| Beryllium  | 9-1   | 250.30   | 260.35   | 263.77   | 258.14     | 2.71    | ppb   |
| Bismuth    | 209-1 |          |          |          | 97         |         | %     |
| Bismuth    | 209-2 |          |          |          | 103        |         | %     |
| Boron      | 11-1  | 239.44   | 256.32   | 261.36   | 252.37     | 4.55    | ppb   |
| Boron      | 10-1  | 243.26   | 256.00   | 266.65   | 255.30     | 4.59    | ppb   |
| Cadmium    | 106-1 | 254.34   | 269.83   | 263.78   | 262.65     | 2.97    | ppb   |
| Cadmium    | 108-1 | 253.00   | 268.51   | 265.45   | 262.32     | 3.13    | ppb   |
| Cadmium    | 111-1 | 255.43   | 268.96   | 267.79   | 264.06     | 2.84    | ppb   |
| Calcium    | 43-1  | 24538.46 | 26118.63 | 26481.81 | 25712.97   | 4.02    | ppb   |
| Calcium    | 44-1  | 24362.70 | 25660.81 | 25875.74 | 25299.75   | 3.24    | ppb   |
| Chromium   | 52-2  | 251.27   | 248.54   | 245.75   | 248.52     | 1.11    | ppb   |
| Cobalt     | 59-2  | 252.98   | 250.12   | 247.40   | 250.17     | 1.12    | ppb   |
| Copper     | 63-2  | 514.49   | 504.56   | 498.89   | 505.98     | 1.56    | 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 |          |          |          | 104        |         | %     |
| Indium     | 115-1 |          |          |          | 94         |         | %     |
| Indium     | 115-2 |          |          |          | 101        |         | %     |
| Iron       | 56-2  | 12773.13 | 12724.31 | 12493.54 | 12663.66   | 1.18    | ppb   |
| Iron       | 57-2  | 13037.43 | 12798.48 | 12617.88 | 12817.93   | 1.64    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 245.52   | 261.68   | 262.46   | 256.55     | 3.73    | ppb   |
| Lead       | 208-1 | 250.09   | 264.88   | 266.44   | 260.47     | 3.46    | ppb   |
| Lead       | 206-1 | 249.69   | 266.93   | 263.84   | 260.15     | 3.53    | ppb   |
| Lithium    | 6-1   |          |          |          | 96         |         | %     |
| Magnesium  | 24-2  | 26893.20 | 26474.86 | 26063.75 | 26477.27   | 1.57    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:37:14 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 508.02   | 502.18   | 491.83   | 500.68     | 1.64    | ppb   |
| Molybdenum | 94-1  | 1267.84  | 1318.43  | 1332.79  | 1306.35    | 2.61    | ppb   |
| Molybdenum | 95-1  | 1266.33  | 1315.93  | 1323.16  | 1301.81    | 2.38    | ppb   |
| Molybdenum | 96-1  | 1269.41  | 1321.96  | 1321.18  | 1304.18    | 2.31    | ppb   |
| Molybdenum | 97-1  | 1289.59  | 1327.84  | 1338.99  | 1318.81    | 1.96    | ppb   |
| Molybdenum | 98-1  | 1269.87  | 1309.47  | 1320.31  | 1299.88    | 2.04    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 259.07   | 252.97   | 249.58   | 253.88     | 1.89    | ppb   |
| Phosphorus | 31-2  | 5044.66  | 5188.75  | 4911.58  | 5048.33    | 2.75    | ppb   |
| Potassium  | 39-2  | 12582.86 | 12448.23 | 12306.91 | 12446.00   | 1.11    | ppb   |
| Rhodium    | 103-1 |          |          |          | 93         |         | %     |
| Rhodium    | 103-2 |          |          |          | 100        |         | %     |
| Scandium   | 45-1  |          |          |          | 92         |         | %     |
| Scandium   | 45-2  |          |          |          | 104        |         | %     |
| Selenium   | 77-2  | 233.56   | 258.62   | 289.46   | 260.55     | 10.75   | ppb   |
| Selenium   | 78-2  | 245.51   | 249.58   | 230.84   | 241.98     | 4.07    | ppb   |
| Selenium   | 82-1  | 257.55   | 268.01   | 268.73   | 264.76     | 2.36    | ppb   |
| Silicon    | 28-1  | 272.92   | 288.70   | 289.82   | 283.81     | 3.33    | ppb   |
| Silver     | 109-1 | 261.67   | 274.03   | 273.37   | 269.69     | 2.58    | ppb   |
| Silver     | 107-1 | 256.91   | 272.52   | 271.73   | 267.06     | 3.29    | ppb   |
| Sodium     | 23-2  | 27060.69 | 26583.96 | 26003.29 | 26549.31   | 1.99    | ppb   |
| Strontium  | 86-1  | 255.14   | 264.71   | 268.50   | 262.78     | 2.62    | ppb   |
| Strontium  | 88-1  | 254.81   | 266.65   | 266.92   | 262.80     | 2.63    | ppb   |
| Sulfur     | 34-1  | 5536.77  | 6584.28  | 6381.91  | 6167.65    | 9.01    | ppb   |
| Terbium    | 159-1 |          |          |          | 98         |         | %     |
| Terbium    | 159-2 |          |          |          | 105        |         | %     |
| Thallium   | 203-1 | 252.46   | 265.57   | 266.43   | 261.48     | 2.99    | ppb   |
| Thallium   | 205-1 | 248.55   | 264.93   | 264.16   | 259.21     | 3.57    | ppb   |
| Tin        | 118-1 | 255.14   | 271.87   | 270.57   | 265.86     | 3.50    | ppb   |
| Titanium   | 47-1  | 1277.52  | 1334.37  | 1359.52  | 1323.80    | 3.17    | ppb   |
| Uranium    | 238-1 | 241.96   | 260.81   | 259.17   | 253.98     | 4.11    | ppb   |
| Vanadium   | 51-2  | 249.36   | 246.74   | 244.75   | 246.95     | 0.94    | ppb   |
| Yttrium    | 89-1  |          |          |          | 93         |         | %     |
| Yttrium    | 89-2  |          |          |          | 102        |         | %     |
| Zinc       | 66-2  | 501.84   | 504.99   | 490.97   | 499.27     | 1.47    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:37:14 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 254.83  | 264.36  | 264.92  | 261.37     | 2.17    | ppb   |
| Zirconium | 91-1 | 252.94  | 263.34  | 263.44  | 259.91     | 2.32    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:40:42 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9670.32  | 9595.05  | 9659.98  | 9641.79    | 0.42    | ppb   |
| Antimony   | 121-1 | 497.15   | 499.37   | 492.93   | 496.49     | 0.66    | ppb   |
| Arsenic    | 75-1  | 511.03   | 503.30   | 502.82   | 505.72     | 0.91    | ppb   |
| Barium     | 135-1 | 2494.42  | 2520.39  | 2454.53  | 2489.78    | 1.33    | ppb   |
| Barium     | 137-1 | 2473.09  | 2487.61  | 2462.20  | 2474.30    | 0.52    | ppb   |
| Beryllium  | 9-1   | 504.34   | 501.61   | 506.05   | 504.00     | 0.44    | ppb   |
| Bismuth    | 209-1 |          |          |          | 101        |         | %     |
| Bismuth    | 209-2 |          |          |          | 103        |         | %     |
| Boron      | 11-1  | 486.31   | 494.04   | 501.04   | 493.80     | 1.49    | ppb   |
| Boron      | 10-1  | 489.40   | 506.66   | 507.82   | 501.30     | 2.06    | ppb   |
| Cadmium    | 106-1 | 494.18   | 498.89   | 489.93   | 494.34     | 0.91    | ppb   |
| Cadmium    | 108-1 | 504.90   | 503.10   | 494.54   | 500.85     | 1.11    | ppb   |
| Cadmium    | 111-1 | 500.60   | 498.93   | 494.76   | 498.10     | 0.60    | ppb   |
| Calcium    | 43-1  | 49158.20 | 49966.71 | 50114.86 | 49746.59   | 1.04    | ppb   |
| Calcium    | 44-1  | 48153.72 | 48684.52 | 48858.01 | 48565.41   | 0.76    | ppb   |
| Chromium   | 52-2  | 498.25   | 498.21   | 497.25   | 497.90     | 0.11    | ppb   |
| Cobalt     | 59-2  | 502.32   | 498.35   | 496.50   | 499.06     | 0.60    | ppb   |
| Copper     | 63-2  | 1023.24  | 1016.83  | 1006.97  | 1015.68    | 0.81    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 103        |         | %     |
| Holmium    | 165-2 |          |          |          | 107        |         | %     |
| Indium     | 115-1 |          |          |          | 97         |         | %     |
| Indium     | 115-2 |          |          |          | 100        |         | %     |
| Iron       | 56-2  | 25615.94 | 25502.49 | 25268.43 | 25462.29   | 0.70    | ppb   |
| Iron       | 57-2  | 26085.91 | 25899.96 | 25849.04 | 25944.97   | 0.48    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 506.01   | 499.06   | 506.77   | 503.95     | 0.84    | ppb   |
| Lead       | 208-1 | 503.16   | 498.85   | 504.79   | 502.27     | 0.61    | ppb   |
| Lead       | 206-1 | 502.86   | 499.77   | 508.19   | 503.60     | 0.85    | ppb   |
| Lithium    | 6-1   |          |          |          | 97         |         | %     |
| Magnesium  | 24-2  | 52909.97 | 52906.05 | 52016.71 | 52610.91   | 0.98    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:40:42 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1005.82  | 999.73   | 999.49   | 1001.68    | 0.36    | ppb   |
| Molybdenum | 94-1  | 2481.36  | 2491.53  | 2528.17  | 2500.35    | 0.98    | ppb   |
| Molybdenum | 95-1  | 2459.05  | 2503.53  | 2520.29  | 2494.29    | 1.27    | ppb   |
| Molybdenum | 96-1  | 2480.64  | 2529.26  | 2507.91  | 2505.94    | 0.97    | ppb   |
| Molybdenum | 97-1  | 2494.96  | 2498.41  | 2515.23  | 2502.87    | 0.43    | ppb   |
| Molybdenum | 98-1  | 2498.26  | 2484.75  | 2495.28  | 2492.76    | 0.28    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 505.00   | 503.07   | 502.63   | 503.57     | 0.25    | ppb   |
| Phosphorus | 31-2  | 9193.09  | 10272.41 | 10308.97 | 9924.82    | 6.39    | ppb   |
| Potassium  | 39-2  | 25082.56 | 24754.88 | 24789.26 | 24875.57   | 0.72    | ppb   |
| Rhodium    | 103-1 |          |          |          | 96         |         | %     |
| Rhodium    | 103-2 |          |          |          | 101        |         | %     |
| Scandium   | 45-1  |          |          |          | 95         |         | %     |
| Scandium   | 45-2  |          |          |          | 103        |         | %     |
| Selenium   | 77-2  | 465.29   | 518.84   | 470.89   | 485.01     | 6.07    | ppb   |
| Selenium   | 78-2  | 509.88   | 469.43   | 490.06   | 489.79     | 4.13    | ppb   |
| Selenium   | 82-1  | 501.27   | 502.92   | 504.81   | 503.00     | 0.35    | ppb   |
| Silicon    | 28-1  | 509.82   | 516.55   | 513.26   | 513.21     | 0.66    | ppb   |
| Silver     | 109-1 | 502.70   | 503.93   | 496.42   | 501.02     | 0.80    | ppb   |
| Silver     | 107-1 | 498.67   | 505.41   | 487.93   | 497.34     | 1.77    | ppb   |
| Sodium     | 23-2  | 52692.67 | 52634.56 | 51951.46 | 52426.23   | 0.79    | ppb   |
| Strontium  | 86-1  | 498.51   | 505.26   | 501.27   | 501.68     | 0.68    | ppb   |
| Strontium  | 88-1  | 499.87   | 502.74   | 506.33   | 502.98     | 0.64    | ppb   |
| Sulfur     | 34-1  | 9492.63  | 9871.19  | 9599.82  | 9654.55    | 2.02    | ppb   |
| Terbium    | 159-1 |          |          |          | 103        |         | %     |
| Terbium    | 159-2 |          |          |          | 106        |         | %     |
| Thallium   | 203-1 | 505.27   | 499.65   | 505.14   | 503.36     | 0.64    | ppb   |
| Thallium   | 205-1 | 497.18   | 495.34   | 503.13   | 498.55     | 0.82    | ppb   |
| Tin        | 118-1 | 505.50   | 503.43   | 495.71   | 501.55     | 1.03    | ppb   |
| Titanium   | 47-1  | 2521.41  | 2535.72  | 2526.59  | 2527.91    | 0.29    | ppb   |
| Uranium    | 238-1 | 493.41   | 486.09   | 492.13   | 490.54     | 0.80    | ppb   |
| Vanadium   | 51-2  | 500.00   | 494.93   | 495.15   | 496.69     | 0.58    | ppb   |
| Yttrium    | 89-1  |          |          |          | 98         |         | %     |
| Yttrium    | 89-2  |          |          |          | 102        |         | %     |
| Zinc       | 66-2  | 1003.62  | 1006.34  | 1001.40  | 1003.79    | 0.25    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:40:42 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 500.43  | 498.83  | 504.40  | 501.22     | 0.57    | ppb   |
| Zirconium | 91-1 | 503.72  | 501.61  | 509.41  | 504.91     | 0.80    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:44:05 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 19592.80  | 18690.80  | 19169.31  | 19150.97   | 2.36    | ppb   |
| Antimony   | 121-1 | 1013.19   | 993.20    | 987.12    | 997.84     | 1.37    | ppb   |
| Arsenic    | 75-1  | 1011.01   | 986.00    | 984.10    | 993.70     | 1.51    | ppb   |
| Barium     | 135-1 | 5117.84   | 4889.98   | 4942.53   | 4983.45    | 2.39    | ppb   |
| Barium     | 137-1 | 5069.80   | 4947.03   | 4977.81   | 4998.21    | 1.28    | ppb   |
| Beryllium  | 9-1   | 1008.40   | 993.84    | 984.56    | 995.60     | 1.21    | ppb   |
| Bismuth    | 209-1 |           |           |           | 100        |         | %     |
| Bismuth    | 209-2 |           |           |           | 99         |         | %     |
| Boron      | 11-1  | 997.65    | 1001.73   | 1008.41   | 1002.60    | 0.54    | ppb   |
| Boron      | 10-1  | 998.15    | 1007.80   | 988.06    | 998.01     | 0.99    | ppb   |
| Cadmium    | 106-1 | 1011.44   | 1000.69   | 984.85    | 998.99     | 1.34    | ppb   |
| Cadmium    | 108-1 | 1016.58   | 991.28    | 979.72    | 995.86     | 1.89    | ppb   |
| Cadmium    | 111-1 | 1014.07   | 989.41    | 986.77    | 996.75     | 1.51    | ppb   |
| Calcium    | 43-1  | 100067.06 | 98135.81  | 98064.20  | 98755.69   | 1.15    | ppb   |
| Calcium    | 44-1  | 98026.49  | 97133.93  | 96171.99  | 97110.80   | 0.96    | ppb   |
| Chromium   | 52-2  | 1019.70   | 978.90    | 1003.64   | 1000.74    | 2.05    | ppb   |
| Cobalt     | 59-2  | 1004.58   | 986.93    | 1007.12   | 999.54     | 1.10    | ppb   |
| Copper     | 63-2  | 2011.14   | 1960.19   | 1993.26   | 1988.20    | 1.30    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 104        |         | %     |
| Holmium    | 165-2 |           |           |           | 103        |         | %     |
| Indium     | 115-1 |           |           |           | 97         |         | %     |
| Indium     | 115-2 |           |           |           | 95         |         | %     |
| Iron       | 56-2  | 51748.51  | 49721.34  | 50937.38  | 50802.41   | 2.01    | ppb   |
| Iron       | 57-2  | 52299.28  | 50802.68  | 52235.78  | 51779.25   | 1.63    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 207-1 | 998.62    | 1003.82   | 986.89    | 996.44     | 0.87    | ppb   |
| Lead       | 208-1 | 1003.62   | 1000.32   | 984.28    | 996.07     | 1.04    | ppb   |
| Lead       | 206-1 | 1003.20   | 1004.52   | 979.04    | 995.59     | 1.44    | ppb   |
| Lithium    | 6-1   |           |           |           | 96         |         | %     |
| Magnesium  | 24-2  | 104987.16 | 100055.20 | 103567.97 | 102870.11  | 2.47    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:44:05 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 2028.14   | 1963.29   | 2000.48   | 1997.30    | 1.63    | ppb   |
| Molybdenum | 94-1  | 5034.05   | 4977.19   | 4939.35   | 4983.53    | 0.96    | ppb   |
| Molybdenum | 95-1  | 5044.22   | 4977.26   | 4943.63   | 4988.37    | 1.03    | ppb   |
| Molybdenum | 96-1  | 5034.69   | 4968.89   | 4939.71   | 4981.10    | 0.98    | ppb   |
| Molybdenum | 97-1  | 5058.64   | 4970.18   | 4906.06   | 4978.29    | 1.54    | ppb   |
| Molybdenum | 98-1  | 5060.79   | 4981.79   | 4926.42   | 4989.67    | 1.35    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 1008.79   | 978.22    | 1001.18   | 996.06     | 1.60    | ppb   |
| Phosphorus | 31-2  | 21151.49  | 18992.56  | 19927.58  | 20023.88   | 5.41    | ppb   |
| Potassium  | 39-2  | 50509.91  | 48633.75  | 50330.37  | 49824.68   | 2.08    | ppb   |
| Rhodium    | 103-1 |           |           |           | 95         |         | %     |
| Rhodium    | 103-2 |           |           |           | 95         |         | %     |
| Scandium   | 45-1  |           |           |           | 95         |         | %     |
| Scandium   | 45-2  |           |           |           | 102        |         | %     |
| Selenium   | 77-2  | 972.28    | 991.93    | 1035.37   | 999.86     | 3.23    | ppb   |
| Selenium   | 78-2  | 997.32    | 970.66    | 1053.16   | 1007.05    | 4.18    | ppb   |
| Selenium   | 82-1  | 1005.12   | 999.76    | 977.83    | 994.23     | 1.45    | ppb   |
| Silicon    | 28-1  | 988.80    | 979.84    | 974.78    | 981.14     | 0.72    | ppb   |
| Silver     | 109-1 | 1015.93   | 988.36    | 975.58    | 993.29     | 2.08    | ppb   |
| Silver     | 107-1 | 1012.51   | 992.65    | 982.68    | 995.95     | 1.52    | ppb   |
| Sodium     | 23-2  | 105700.83 | 102145.52 | 105737.50 | 104527.95  | 1.97    | ppb   |
| Strontium  | 86-1  | 1010.80   | 992.91    | 983.22    | 995.64     | 1.41    | ppb   |
| Strontium  | 88-1  | 1001.27   | 999.34    | 983.94    | 994.85     | 0.95    | ppb   |
| Sulfur     | 34-1  | 20379.23  | 19576.25  | 19202.66  | 19719.38   | 3.05    | ppb   |
| Terbium    | 159-1 |           |           |           | 102        |         | %     |
| Terbium    | 159-2 |           |           |           | 104        |         | %     |
| Thallium   | 203-1 | 1001.99   | 995.52    | 989.07    | 995.53     | 0.65    | ppb   |
| Thallium   | 205-1 | 1006.72   | 998.48    | 989.42    | 998.21     | 0.87    | ppb   |
| Tin        | 118-1 | 1010.07   | 989.14    | 984.76    | 994.66     | 1.36    | ppb   |
| Titanium   | 47-1  | 4984.36   | 4989.03   | 4924.01   | 4965.80    | 0.73    | ppb   |
| Uranium    | 238-1 | 1008.25   | 1012.84   | 990.55    | 1003.88    | 1.17    | ppb   |
| Vanadium   | 51-2  | 1016.70   | 978.92    | 1010.41   | 1002.01    | 2.02    | ppb   |
| Yttrium    | 89-1  |           |           |           | 98         |         | %     |
| Yttrium    | 89-2  |           |           |           | 99         |         | %     |
| Zinc       | 66-2  | 2025.15   | 1963.75   | 1999.24   | 1996.05    | 1.54    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:44:05 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 1000.86 | 994.15  | 993.10  | 996.04     | 0.42    | ppb   |
| Zirconium | 91-1 | 1005.18 | 997.08  | 982.78  | 995.01     | 1.14    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:47:25 | DataFile Name :   | 012CALS.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 100339.29 | 99191.60  | 101113.81 | 100214.90  | 0.97    | ppb   |
| Antimony   | 121-1 | 1.92      | 1.84      | 1.93      | 1.90       | 2.69    | ppb   |
| Arsenic    | 75-1  | 1.73      | 1.72      | 1.60      | 1.68       | 4.42    | ppb   |
| Barium     | 135-1 | 1.13      | 1.07      | 1.37      | 1.19       | 13.31   | ppb   |
| Barium     | 137-1 | 1.38      | 1.10      | 1.11      | 1.20       | 13.07   | ppb   |
| Beryllium  | 9-1   | 0.21      | 0.22      | 0.14      | 0.19       | 21.30   | ppb   |
| Bismuth    | 209-1 |           |           |           | 89         |         | %     |
| Bismuth    | 209-2 |           |           |           | 96         |         | %     |
| Boron      | 11-1  | 22.31     | 19.68     | 19.68     | 20.56      | 7.40    | ppb   |
| Boron      | 10-1  | 23.75     | 19.61     | 19.78     | 21.05      | 11.12   | ppb   |
| Cadmium    | 106-1 | 0.35      | 0.30      | 0.15      | 0.26       | 39.10   | ppb   |
| Cadmium    | 108-1 | 0.29      | 0.26      | 0.15      | 0.24       | 30.43   | ppb   |
| Cadmium    | 111-1 | 0.21      | 0.18      | 0.18      | 0.19       | 8.71    | ppb   |
| Calcium    | 43-1  | 517339.29 | 487497.63 | 495884.41 | 500240.44  | 3.08    | ppb   |
| Calcium    | 44-1  | 517947.56 | 488419.25 | 495767.54 | 500711.45  | 3.07    | ppb   |
| Chromium   | 52-2  | 45.78     | 44.64     | 46.07     | 45.50      | 1.66    | ppb   |
| Cobalt     | 59-2  | 12.11     | 12.09     | 12.63     | 12.28      | 2.48    | ppb   |
| Copper     | 63-2  | 4.76      | 4.66      | 4.78      | 4.73       | 1.34    | 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 |           |           |           | 97         |         | %     |
| Holmium    | 165-2 |           |           |           | 106        |         | %     |
| Indium     | 115-1 |           |           |           | 91         |         | %     |
| Indium     | 115-2 |           |           |           | 102        |         | %     |
| Iron       | 56-2  | 251151.72 | 245961.04 | 252207.33 | 249773.36  | 1.34    | ppb   |
| Iron       | 57-2  | 250265.88 | 245100.51 | 253192.90 | 249519.76  | 1.64    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 207-1 | 1.72      | 1.52      | 1.50      | 1.58       | 7.60    | ppb   |
| Lead       | 208-1 | 1.72      | 1.56      | 1.55      | 1.61       | 5.93    | ppb   |
| Lead       | 206-1 | 1.74      | 1.62      | 1.50      | 1.62       | 7.24    | ppb   |
| Lithium    | 6-1   |           |           |           | 89         |         | %     |
| Magnesium  | 24-2  | 502654.17 | 492603.85 | 501900.70 | 499052.91  | 1.12    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:47:25 | DataFile Name :   | 012CALS.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 13.83     | 13.55     | 13.98     | 13.79      | 1.59    | ppb   |
| Molybdenum | 94-1  | 6.80      | 6.45      | 6.25      | 6.50       | 4.35    | ppb   |
| Molybdenum | 95-1  | 8.27      | 7.82      | 7.85      | 7.98       | 3.13    | ppb   |
| Molybdenum | 96-1  | 8.49      | 8.03      | 8.04      | 8.19       | 3.21    | ppb   |
| Molybdenum | 97-1  | 8.21      | 7.70      | 7.72      | 7.87       | 3.65    | ppb   |
| Molybdenum | 98-1  | 8.21      | 7.81      | 7.73      | 7.92       | 3.27    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 37.32     | 36.38     | 38.11     | 37.27      | 2.33    | ppb   |
| Phosphorus | 31-2  | 40.44     | 17.83     | 7.55      | 21.94      | 76.70   | ppb   |
| Potassium  | 39-2  | 251526.18 | 246854.50 | 251740.53 | 250040.40  | 1.10    | ppb   |
| Rhodium    | 103-1 |           |           |           | 87         |         | %     |
| Rhodium    | 103-2 |           |           |           | 95         |         | %     |
| Scandium   | 45-1  |           |           |           | 93         |         | %     |
| Scandium   | 45-2  |           |           |           | 104        |         | %     |
| Selenium   | 77-2  | 2.87      | 0.00      | 2.91      | 1.93       | 86.61   | ppb   |
| Selenium   | 78-2  | -0.80     | 0.48      | 0.09      | -0.07      |         | ppb   |
| Selenium   | 82-1  | 1.23      | 1.49      | 1.30      | 1.34       | 10.18   | ppb   |
| Silicon    | 28-1  | 90.33     | 84.07     | 88.76     | 87.72      | 3.71    | ppb   |
| Silver     | 109-1 | 0.76      | 2.59      | 6.46      | 3.27       | 89.09   | ppb   |
| Silver     | 107-1 | 0.72      | 2.64      | 6.47      | 3.28       | 89.40   | ppb   |
| Sodium     | 23-2  | 501632.45 | 492578.42 | 501975.65 | 498728.84  | 1.07    | ppb   |
| Strontium  | 86-1  | 5.02      | 4.88      | 4.76      | 4.89       | 2.70    | ppb   |
| Strontium  | 88-1  | 4.96      | 4.73      | 4.76      | 4.82       | 2.62    | ppb   |
| Sulfur     | 34-1  | -1869.59  | -3218.29  | -2716.66  | -2601.51   |         | ppb   |
| Terbium    | 159-1 |           |           |           | 96         |         | %     |
| Terbium    | 159-2 |           |           |           | 106        |         | %     |
| Thallium   | 203-1 | 0.37      | 0.33      | 0.31      | 0.34       | 8.75    | ppb   |
| Thallium   | 205-1 | 0.37      | 0.33      | 0.34      | 0.35       | 5.61    | ppb   |
| Tin        | 118-1 | 1.42      | 1.25      | 1.25      | 1.31       | 7.73    | ppb   |
| Titanium   | 47-1  | 1.55      | 1.52      | 1.42      | 1.50       | 4.72    | ppb   |
| Uranium    | 238-1 | 0.20      | 0.18      | 0.18      | 0.19       | 6.27    | ppb   |
| Vanadium   | 51-2  | 0.32      | 0.43      | 0.40      | 0.39       | 15.03   | ppb   |
| Yttrium    | 89-1  |           |           |           | 93         |         | %     |
| Yttrium    | 89-2  |           |           |           | 105        |         | %     |
| Zinc       | 66-2  | 15.85     | 16.14     | 15.75     | 15.92      | 1.27    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:47:25 | DataFile Name :   | 012CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.49    | 0.48    | 0.46    | 0.47       | 3.32    | ppb   |
| Zirconium | 91-1 | 0.54    | 0.47    | 0.52    | 0.51       | 7.58    | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P8  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:01:14 DataFile Name : 013ICV01.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 499.82  | 493.83  | 504.53  | 499.40     | 1.07    | ppb   |
| Antimony   | 121-1 | 211.76  | 209.92  | 207.55  | 209.74     | 1.01    | ppb   |
| Arsenic    | 75-1  | 207.72  | 206.34  | 203.56  | 205.87     | 1.03    | ppb   |
| Barium     | 135-1 | 104.54  | 105.16  | 104.78  | 104.83     | 0.30    | ppb   |
| Barium     | 137-1 | 104.50  | 103.58  | 103.06  | 103.71     | 0.71    | ppb   |
| Beryllium  | 9-1   | 101.49  | 101.04  | 100.10  | 100.88     | 0.70    | ppb   |
| Bismuth    | 209-1 |         |         |         | 97         |         | %     |
| Bismuth    | 209-2 |         |         |         | 108        |         | %     |
| Boron      | 11-1  | 493.15  | 509.52  | 507.76  | 503.48     | 1.78    | ppb   |
| Boron      | 10-1  | 501.64  | 512.33  | 505.74  | 506.57     | 1.06    | ppb   |
| Cadmium    | 106-1 | 185.51  | 183.62  | 183.12  | 184.08     | 0.69    | ppb   |
| Cadmium    | 108-1 | 146.11  | 143.14  | 147.95  | 145.73     | 1.66    | ppb   |
| Cadmium    | 111-1 | 110.59  | 110.15  | 110.52  | 110.42     | 0.22    | ppb   |
| Calcium    | 43-1  | 2330.96 | 2239.52 | 2320.18 | 2296.88    | 2.18    | ppb   |
| Calcium    | 44-1  | 2220.19 | 2191.14 | 2223.55 | 2211.63    | 0.81    | ppb   |
| Chromium   | 52-2  | 95.85   | 96.61   | 95.30   | 95.92      | 0.69    | ppb   |
| Cobalt     | 59-2  | 99.16   | 97.71   | 98.43   | 98.43      | 0.74    | ppb   |
| Copper     | 63-2  | 99.40   | 100.04  | 100.13  | 99.85      | 0.40    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 97         |         | %     |
| Holmium    | 165-2 |         |         |         | 110        |         | %     |
| Indium     | 115-1 |         |         |         | 97         |         | %     |
| Indium     | 115-2 |         |         |         | 110        |         | %     |
| Iron       | 56-2  | 1013.65 | 1009.25 | 1008.49 | 1010.46    | 0.28    | ppb   |
| Iron       | 57-2  | 1014.27 | 1030.66 | 1034.79 | 1026.57    | 1.06    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 194.56  | 195.79  | 193.73  | 194.69     | 0.53    | ppb   |
| Lead       | 208-1 | 203.62  | 202.41  | 201.01  | 202.35     | 0.65    | ppb   |
| Lead       | 206-1 | 203.56  | 206.93  | 203.31  | 204.60     | 0.99    | ppb   |
| Lithium    | 6-1   |         |         |         | 95         |         | %     |
| Magnesium  | 24-2  | 1216.31 | 1205.25 | 1206.99 | 1209.52    | 0.49    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 15:01:14 | DataFile Name :   | 013ICV01.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 97.64    | 97.49    | 97.74    | 97.62      | 0.13    | ppb   |
| Molybdenum | 94-1  | 1124.49  | 1122.94  | 1094.95  | 1114.13    | 1.49    | ppb   |
| Molybdenum | 95-1  | 521.94   | 515.43   | 512.39   | 516.59     | 0.94    | ppb   |
| Molybdenum | 96-1  | 596.95   | 586.83   | 590.21   | 591.33     | 0.87    | ppb   |
| Molybdenum | 97-1  | 530.24   | 517.00   | 516.97   | 521.40     | 1.47    | ppb   |
| Molybdenum | 98-1  | 518.83   | 514.57   | 504.01   | 512.47     | 1.49    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 99.07    | 100.18   | 99.44    | 99.57      | 0.57    | ppb   |
| Phosphorus | 31-2  | 25.34    | -4.57    | 5.56     | 8.78       | 173.34  | ppb   |
| Potassium  | 39-2  | 2017.02  | 2047.39  | 1998.21  | 2020.87    | 1.23    | ppb   |
| Rhodium    | 103-1 |          |          |          | 98         |         | %     |
| Rhodium    | 103-2 |          |          |          | 109        |         | %     |
| Scandium   | 45-1  |          |          |          | 99         |         | %     |
| Scandium   | 45-2  |          |          |          | 114        |         | %     |
| Selenium   | 77-2  | 285.72   | 222.98   | 305.35   | 271.35     | 15.86   | ppb   |
| Selenium   | 78-2  | 198.17   | 201.43   | 188.69   | 196.10     | 3.37    | ppb   |
| Selenium   | 82-1  | 208.15   | 208.68   | 207.46   | 208.10     | 0.29    | ppb   |
| Silicon    | 28-1  | 520.61   | 515.86   | 507.44   | 514.64     | 1.30    | ppb   |
| Silver     | 109-1 | 107.93   | 106.74   | 107.08   | 107.25     | 0.57    | ppb   |
| Silver     | 107-1 | 110.09   | 107.05   | 108.21   | 108.45     | 1.42    | ppb   |
| Sodium     | 23-2  | 2062.29  | 2030.30  | 2057.54  | 2050.04    | 0.84    | ppb   |
| Strontium  | 86-1  | 517.01   | 511.19   | 501.21   | 509.80     | 1.57    | ppb   |
| Strontium  | 88-1  | 508.48   | 505.74   | 504.15   | 506.13     | 0.43    | ppb   |
| Sulfur     | 34-1  | -1549.27 | -2395.73 | -2611.84 | -2185.61   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 97         |         | %     |
| Terbium    | 159-2 |          |          |          | 111        |         | %     |
| Thallium   | 203-1 | 208.42   | 210.11   | 206.91   | 208.48     | 0.77    | ppb   |
| Thallium   | 205-1 | 209.02   | 210.76   | 206.57   | 208.78     | 1.01    | ppb   |
| Tin        | 118-1 | 540.25   | 539.54   | 537.95   | 539.25     | 0.22    | ppb   |
| Titanium   | 47-1  | 522.85   | 519.35   | 511.82   | 518.01     | 1.09    | ppb   |
| Uranium    | 238-1 | 507.68   | 505.69   | 509.75   | 507.70     | 0.40    | ppb   |
| Vanadium   | 51-2  | 94.95    | 95.33    | 97.02    | 95.76      | 1.15    | ppb   |
| Yttrium    | 89-1  |          |          |          | 98         |         | %     |
| Yttrium    | 89-2  |          |          |          | 113        |         | %     |
| Zinc       | 66-2  | 198.63   | 199.82   | 199.81   | 199.42     | 0.34    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 15:01:14 | DataFile Name :   | 013ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 505.93  | 496.80  | 493.11  | 498.61     | 1.32    | ppb   |
| Zirconium | 91-1 | 504.75  | 504.18  | 492.83  | 500.59     | 1.34    | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P8  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:12:32 DataFile Name : 014CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.05   | -0.68   | 1.41    | 0.23       | 470.15  | ppb   |
| Antimony   | 121-1 | 0.07    | 0.07    | 0.08    | 0.07       | 11.25   | ppb   |
| Arsenic    | 75-1  | 0.03    | 0.05    | 0.07    | 0.05       | 37.25   | ppb   |
| Barium     | 135-1 | 0.01    | 0.01    | 0.01    | 0.01       | 49.52   | ppb   |
| Barium     | 137-1 | 0.00    | 0.01    | 0.00    | 0.00       | 287.95  | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.03    | 0.05    | 0.03       | 56.93   | ppb   |
| Bismuth    | 209-1 |         |         |         | 101        |         | %     |
| Bismuth    | 209-2 |         |         |         | 107        |         | %     |
| Boron      | 11-1  | 2.85    | 2.64    | 2.66    | 2.71       | 4.30    | ppb   |
| Boron      | 10-1  | 2.85    | 2.28    | 2.61    | 2.58       | 11.09   | ppb   |
| Cadmium    | 106-1 | 0.55    | 0.55    | 0.48    | 0.53       | 7.22    | ppb   |
| Cadmium    | 108-1 | 0.06    | -0.03   | 0.03    | 0.02       | 260.72  | ppb   |
| Cadmium    | 111-1 | 0.04    | 0.05    | 0.04    | 0.04       | 12.01   | ppb   |
| Calcium    | 43-1  | 1.75    | -2.95   | 0.52    | -0.23      |         | ppb   |
| Calcium    | 44-1  | 3.12    | 1.23    | 4.13    | 2.83       | 51.97   | ppb   |
| Chromium   | 52-2  | -0.07   | -0.06   | 0.01    | -0.04      |         | ppb   |
| Cobalt     | 59-2  | 0.01    | 0.00    | 0.00    | 0.00       | 594.85  | ppb   |
| Copper     | 63-2  | 0.03    | -0.06   | -0.06   | -0.03      |         | 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 |         |         |         | 109        |         | %     |
| Indium     | 115-1 |         |         |         | 102        |         | %     |
| Indium     | 115-2 |         |         |         | 112        |         | %     |
| Iron       | 56-2  | -0.14   | -0.12   | 0.03    | -0.08      |         | ppb   |
| Iron       | 57-2  | -0.13   | -1.68   | -0.31   | -0.71      |         | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 0.02    | 0.02    | 0.03    | 0.03       | 22.27   | ppb   |
| Lead       | 208-1 | 0.02    | 0.03    | 0.03    | 0.03       | 9.14    | ppb   |
| Lead       | 206-1 | 0.02    | 0.04    | 0.03    | 0.03       | 28.60   | ppb   |
| Lithium    | 6-1   |         |         |         | 99         |         | %     |
| Magnesium  | 24-2  | 0.79    | 0.42    | 0.12    | 0.44       | 76.72   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:12:32 | DataFile Name :   | 014CCBE.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | -0.02    | -0.01    | -0.06    | -0.03      |         | ppb   |
| Molybdenum | 94-1  | 0.02     | 0.03     | 0.05     | 0.03       | 42.57   | ppb   |
| Molybdenum | 95-1  | 0.05     | 0.04     | 0.03     | 0.04       | 18.69   | ppb   |
| Molybdenum | 96-1  | 0.06     | 0.04     | 0.03     | 0.04       | 30.35   | ppb   |
| Molybdenum | 97-1  | 0.06     | 0.03     | 0.05     | 0.05       | 25.37   | ppb   |
| Molybdenum | 98-1  | 0.04     | 0.03     | 0.04     | 0.04       | 16.48   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.02     | 0.01     | 0.04     | 0.02       | 72.17   | ppb   |
| Phosphorus | 31-2  | -14.64   | 5.14     | -14.64   | -8.05      |         | ppb   |
| Potassium  | 39-2  | 9.93     | -27.78   | -4.63    | -7.49      |         | ppb   |
| Rhodium    | 103-1 |          |          |          | 103        |         | %     |
| Rhodium    | 103-2 |          |          |          | 110        |         | %     |
| Scandium   | 45-1  |          |          |          | 103        |         | %     |
| Scandium   | 45-2  |          |          |          | 112        |         | %     |
| Selenium   | 77-2  | 0.00     | 2.66     | 0.00     | 0.89       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.80    | -0.83    | -1.23    | -0.95      |         | ppb   |
| Selenium   | 82-1  | -0.40    | 0.20     | 0.16     | -0.02      |         | ppb   |
| Silicon    | 28-1  | -1.54    | -3.27    | -2.27    | -2.36      |         | ppb   |
| Silver     | 109-1 | 0.02     | 0.02     | 0.02     | 0.02       | 6.24    | ppb   |
| Silver     | 107-1 | 0.01     | 0.01     | 0.01     | 0.01       | 35.79   | ppb   |
| Sodium     | 23-2  | 25.18    | 19.81    | 20.54    | 21.84      | 13.35   | ppb   |
| Strontium  | 86-1  | -0.04    | -0.03    | -0.02    | -0.03      |         | ppb   |
| Strontium  | 88-1  | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Sulfur     | 34-1  | -2502.50 | -2981.05 | -2799.72 | -2761.09   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 101        |         | %     |
| Terbium    | 159-2 |          |          |          | 110        |         | %     |
| Thallium   | 203-1 | 0.00     | 0.00     | 0.00     | 0.00       | 49.69   | ppb   |
| Thallium   | 205-1 | 0.00     | 0.00     | 0.00     | 0.00       | 26.05   | ppb   |
| Tin        | 118-1 | 0.03     | 0.03     | 0.02     | 0.03       | 29.82   | ppb   |
| Titanium   | 47-1  | 0.01     | 0.01     | 0.00     | 0.00       | 195.74  | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00     | -0.01    | 0.00     | 0.00       |         | ppb   |
| Yttrium    | 89-1  |          |          |          | 102        |         | %     |
| Yttrium    | 89-2  |          |          |          | 113        |         | %     |
| Zinc       | 66-2  | -0.03    | -0.18    | -0.26    | -0.16      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:12:32 | DataFile Name :   | 014CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.00    | 0.00    | 0.01    | 0.00       | 217.20  | ppb   |
| Zirconium | 91-1 | 0.01    | 0.01    | 0.01    | 0.01       | 30.17   | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB99014             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-11-02 15:15:54 | DataFile Name :   | 015ICSA01.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 84406.87 | 81886.46 | 88910.64  | 85067.99   | 4.18    | ppb   |
| Antimony   | 121-1 | 1.82     | 1.89     | 1.80      | 1.84       | 2.69    | ppb   |
| Arsenic    | 75-1  | 1.82     | 1.93     | 1.75      | 1.83       | 4.85    | ppb   |
| Barium     | 135-1 | 1.41     | 1.54     | 1.36      | 1.44       | 6.38    | ppb   |
| Barium     | 137-1 | 1.34     | 1.42     | 1.20      | 1.32       | 8.31    | ppb   |
| Beryllium  | 9-1   | 0.32     | 0.29     | 0.25      | 0.29       | 13.20   | ppb   |
| Bismuth    | 209-1 |          |          |           | 101        |         | %     |
| Bismuth    | 209-2 |          |          |           | 104        |         | %     |
| Boron      | 11-1  | 3.07     | 2.91     | 2.51      | 2.83       | 10.23   | ppb   |
| Boron      | 10-1  | 3.73     | 2.66     | 2.67      | 3.02       | 20.45   | ppb   |
| Cadmium    | 106-1 | 0.37     | -0.11    | -0.92     | -0.22      |         | ppb   |
| Cadmium    | 108-1 | 13.11    | 12.29    | 12.01     | 12.47      | 4.57    | ppb   |
| Cadmium    | 111-1 | 0.47     | 0.51     | 0.36      | 0.45       | 16.92   | ppb   |
| Calcium    | 43-1  | 89970.41 | 90533.81 | 87706.67  | 89403.63   | 1.67    | ppb   |
| Calcium    | 44-1  | 88909.70 | 90032.11 | 86997.80  | 88646.54   | 1.73    | ppb   |
| Chromium   | 52-2  | 18.96    | 17.96    | 19.75     | 18.89      | 4.74    | ppb   |
| Cobalt     | 59-2  | 1.09     | 1.07     | 1.16      | 1.10       | 4.34    | ppb   |
| Copper     | 63-2  | 7.98     | 7.32     | 8.14      | 7.82       | 5.54    | ppb   |
| Dysprosium | 156-1 |          |          |           |            |         | cps   |
| Dysprosium | 156-2 |          |          |           |            |         | cps   |
| Erbium     | 164-1 |          |          |           |            |         | cps   |
| Erbium     | 164-2 |          |          |           |            |         | cps   |
| Gadolinium | 160-1 |          |          |           |            |         | cps   |
| Gadolinium | 160-2 |          |          |           |            |         | cps   |
| Holmium    | 165-1 |          |          |           | 106        |         | %     |
| Holmium    | 165-2 |          |          |           | 111        |         | %     |
| Indium     | 115-1 |          |          |           | 104        |         | %     |
| Indium     | 115-2 |          |          |           | 108        |         | %     |
| Iron       | 56-2  | 95768.31 | 92907.11 | 101557.95 | 96744.46   | 4.56    | ppb   |
| Iron       | 57-2  | 96509.07 | 94231.17 | 103109.37 | 97949.87   | 4.71    | ppb   |
| Krypton    | 83-1  |          |          |           |            |         | cps   |
| Lead       | 207-1 | 3.88     | 4.18     | 3.92      | 3.99       | 4.05    | ppb   |
| Lead       | 208-1 | 4.21     | 4.29     | 4.14      | 4.22       | 1.79    | ppb   |
| Lead       | 206-1 | 4.52     | 4.67     | 4.44      | 4.54       | 2.58    | ppb   |
| Lithium    | 6-1   |          |          |           | 99         |         | %     |
| Magnesium  | 24-2  | 95601.08 | 92734.47 | 101162.53 | 96499.36   | 4.44    | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB99014             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-11-02 15:15:54 | DataFile Name :   | 015ICSA01.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 6.87     | 7.25     | 8.38      | 7.50       | 10.42   | ppb   |
| Molybdenum | 94-1  | 1281.60  | 1276.53  | 1256.49   | 1271.54    | 1.04    | ppb   |
| Molybdenum | 95-1  | 1817.91  | 1812.37  | 1787.51   | 1805.93    | 0.90    | ppb   |
| Molybdenum | 96-1  | 1746.22  | 1748.27  | 1736.58   | 1743.69    | 0.36    | ppb   |
| Molybdenum | 97-1  | 1828.13  | 1819.43  | 1809.36   | 1818.97    | 0.52    | ppb   |
| Molybdenum | 98-1  | 1822.48  | 1807.32  | 1789.49   | 1806.43    | 0.91    | ppb   |
| Neodymium  | 150-1 |          |          |           |            |         | cps   |
| Neodymium  | 150-2 |          |          |           |            |         | cps   |
| Nickel     | 60-2  | 5.13     | 4.87     | 5.35      | 5.12       | 4.69    | ppb   |
| Phosphorus | 31-2  | 93967.25 | 90882.29 | 96137.90  | 93662.48   | 2.82    | ppb   |
| Potassium  | 39-2  | 96849.56 | 93773.66 | 100806.55 | 97143.25   | 3.63    | ppb   |
| Rhodium    | 103-1 |          |          |           | 102        |         | %     |
| Rhodium    | 103-2 |          |          |           | 105        |         | %     |
| Scandium   | 45-1  |          |          |           | 104        |         | %     |
| Scandium   | 45-2  |          |          |           | 111        |         | %     |
| Selenium   | 77-2  | 0.00     | 2.68     | 0.00      | 0.89       | 173.21  | ppb   |
| Selenium   | 78-2  | 0.39     | -1.23    | 0.06      | -0.26      |         | ppb   |
| Selenium   | 82-1  | 0.33     | 0.87     | 0.71      | 0.64       | 43.76   | ppb   |
| Silicon    | 28-1  | 27.41    | 27.77    | 24.66     | 26.62      | 6.39    | ppb   |
| Silver     | 109-1 | 0.43     | 0.45     | 0.42      | 0.43       | 3.72    | ppb   |
| Silver     | 107-1 | 0.42     | 0.44     | 0.37      | 0.41       | 8.15    | ppb   |
| Sodium     | 23-2  | 97089.18 | 93853.67 | 102124.56 | 97689.13   | 4.27    | ppb   |
| Strontium  | 86-1  | 31.47    | 31.93    | 30.91     | 31.44      | 1.62    | ppb   |
| Strontium  | 88-1  | 32.21    | 32.08    | 31.53     | 31.94      | 1.13    | ppb   |
| Sulfur     | 34-1  | 99248.62 | 99774.55 | 95200.93  | 98074.70   | 2.55    | ppb   |
| Terbium    | 159-1 |          |          |           | 105        |         | %     |
| Terbium    | 159-2 |          |          |           | 111        |         | %     |
| Thallium   | 203-1 | 0.07     | 0.06     | 0.05      | 0.06       | 12.46   | ppb   |
| Thallium   | 205-1 | 0.06     | 0.06     | 0.04      | 0.06       | 19.48   | ppb   |
| Tin        | 118-1 | 0.18     | 0.19     | 0.19      | 0.19       | 1.37    | ppb   |
| Titanium   | 47-1  | 1888.75  | 1918.98  | 1841.60   | 1883.11    | 2.07    | ppb   |
| Uranium    | 238-1 | 0.01     | 0.01     | 0.02      | 0.02       | 22.18   | ppb   |
| Vanadium   | 51-2  | 0.11     | 0.14     | 0.16      | 0.14       | 20.62   | ppb   |
| Yttrium    | 89-1  |          |          |           | 105        |         | %     |
| Yttrium    | 89-2  |          |          |           | 111        |         | %     |
| Zinc       | 66-2  | 10.93    | 10.55    | 10.90     | 10.79      | 1.93    | ppb   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB99014             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-11-02 15:15:54 | DataFile Name :   | 015ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.03    | 0.03    | 0.03    | 0.03       | 4.94    | ppb   |
| Zirconium | 91-1 | 0.02    | 0.04    | 0.03    | 0.03       | 24.43   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:19:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 97325.45  | 88038.83  | 81172.17 | 88845.48   | 9.12    | ppb   |
| Antimony   | 121-1 | 19.90     | 20.62     | 21.19    | 20.57      | 3.15    | ppb   |
| Arsenic    | 75-1  | 19.62     | 20.21     | 20.97    | 20.26      | 3.34    | ppb   |
| Barium     | 135-1 | 19.74     | 21.14     | 20.87    | 20.58      | 3.63    | ppb   |
| Barium     | 137-1 | 19.63     | 20.17     | 20.85    | 20.22      | 3.03    | ppb   |
| Beryllium  | 9-1   | 19.34     | 19.72     | 19.91    | 19.66      | 1.47    | ppb   |
| Bismuth    | 209-1 |           |           |          | 101        |         | %     |
| Bismuth    | 209-2 |           |           |          | 99         |         | %     |
| Boron      | 11-1  | 57.80     | 57.31     | 58.82    | 57.98      | 1.33    | ppb   |
| Boron      | 10-1  | 56.11     | 58.77     | 59.52    | 58.13      | 3.08    | ppb   |
| Cadmium    | 106-1 | 21.57     | 24.34     | 24.28    | 23.40      | 6.77    | ppb   |
| Cadmium    | 108-1 | 31.78     | 32.97     | 33.91    | 32.89      | 3.25    | ppb   |
| Cadmium    | 111-1 | 18.82     | 19.61     | 20.26    | 19.57      | 3.68    | ppb   |
| Calcium    | 43-1  | 86548.07  | 89414.28  | 92437.28 | 89466.54   | 3.29    | ppb   |
| Calcium    | 44-1  | 85468.47  | 88279.64  | 91001.74 | 88249.95   | 3.14    | ppb   |
| Chromium   | 52-2  | 44.01     | 39.05     | 36.15    | 39.74      | 10.00   | ppb   |
| Cobalt     | 59-2  | 23.03     | 21.24     | 19.53    | 21.27      | 8.22    | ppb   |
| Copper     | 63-2  | 31.41     | 27.98     | 26.38    | 28.59      | 9.00    | 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 |           |           |          | 107        |         | %     |
| Holmium    | 165-2 |           |           |          | 105        |         | %     |
| Indium     | 115-1 |           |           |          | 103        |         | %     |
| Indium     | 115-2 |           |           |          | 103        |         | %     |
| Iron       | 56-2  | 110785.33 | 98663.73  | 93154.26 | 100867.77  | 8.94    | ppb   |
| Iron       | 57-2  | 113927.46 | 101262.28 | 94495.91 | 103228.55  | 9.56    | ppb   |
| Krypton    | 83-1  |           |           |          |            |         | cps   |
| Lead       | 207-1 | 21.39     | 21.96     | 22.03    | 21.79      | 1.62    | ppb   |
| Lead       | 208-1 | 22.28     | 22.86     | 23.22    | 22.79      | 2.07    | ppb   |
| Lead       | 206-1 | 23.31     | 24.01     | 24.17    | 23.83      | 1.92    | ppb   |
| Lithium    | 6-1   |           |           |          | 98         |         | %     |
| Magnesium  | 24-2  | 110772.82 | 99807.42  | 91532.81 | 100704.35  | 9.58    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:19:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 30.43     | 27.65     | 24.89    | 27.66      | 10.02   | ppb   |
| Molybdenum | 94-1  | 1343.81   | 1365.10   | 1416.20  | 1375.04    | 2.71    | ppb   |
| Molybdenum | 95-1  | 1798.60   | 1828.60   | 1903.63  | 1843.61    | 2.93    | ppb   |
| Molybdenum | 96-1  | 1759.62   | 1775.55   | 1848.58  | 1794.59    | 2.64    | ppb   |
| Molybdenum | 97-1  | 1826.24   | 1837.31   | 1932.16  | 1865.24    | 3.12    | ppb   |
| Molybdenum | 98-1  | 1812.90   | 1829.30   | 1929.35  | 1857.18    | 3.39    | ppb   |
| Neodymium  | 150-1 |           |           |          |            |         | cps   |
| Neodymium  | 150-2 |           |           |          |            |         | cps   |
| Nickel     | 60-2  | 27.21     | 24.99     | 22.99    | 25.06      | 8.43    | ppb   |
| Phosphorus | 31-2  | 105442.93 | 97141.52  | 89240.77 | 97275.08   | 8.33    | ppb   |
| Potassium  | 39-2  | 112172.32 | 99882.47  | 93159.09 | 101737.96  | 9.48    | ppb   |
| Rhodium    | 103-1 |           |           |          | 101        |         | %     |
| Rhodium    | 103-2 |           |           |          | 100        |         | %     |
| Scandium   | 45-1  |           |           |          | 104        |         | %     |
| Scandium   | 45-2  |           |           |          | 105        |         | %     |
| Selenium   | 77-2  | 28.03     | 14.07     | 29.90    | 24.00      | 36.04   | ppb   |
| Selenium   | 78-2  | 24.71     | 18.37     | 16.47    | 19.85      | 21.74   | ppb   |
| Selenium   | 82-1  | 18.68     | 19.93     | 19.12    | 19.24      | 3.27    | ppb   |
| Silicon    | 28-1  | 81.41     | 86.56     | 84.45    | 84.14      | 3.08    | ppb   |
| Silver     | 109-1 | 17.52     | 18.62     | 19.07    | 18.40      | 4.31    | ppb   |
| Silver     | 107-1 | 17.70     | 18.48     | 19.11    | 18.43      | 3.83    | ppb   |
| Sodium     | 23-2  | 112641.46 | 101111.05 | 93740.20 | 102497.57  | 9.29    | ppb   |
| Strontium  | 86-1  | 76.69     | 78.46     | 81.65    | 78.94      | 3.18    | ppb   |
| Strontium  | 88-1  | 78.51     | 80.34     | 82.85    | 80.56      | 2.71    | ppb   |
| Sulfur     | 34-1  | 91414.15  | 96810.24  | 99739.83 | 95988.07   | 4.40    | ppb   |
| Terbium    | 159-1 |           |           |          | 106        |         | %     |
| Terbium    | 159-2 |           |           |          | 106        |         | %     |
| Thallium   | 203-1 | 18.76     | 19.47     | 19.61    | 19.28      | 2.35    | ppb   |
| Thallium   | 205-1 | 18.84     | 19.35     | 19.69    | 19.30      | 2.21    | ppb   |
| Tin        | 118-1 | 48.51     | 50.65     | 52.19    | 50.45      | 3.66    | ppb   |
| Titanium   | 47-1  | 1882.25   | 1912.50   | 1984.38  | 1926.38    | 2.72    | ppb   |
| Uranium    | 238-1 | 54.16     | 55.19     | 54.38    | 54.58      | 1.00    | ppb   |
| Vanadium   | 51-2  | 21.47     | 19.16     | 19.20    | 19.94      | 6.62    | ppb   |
| Yttrium    | 89-1  |           |           |          | 105        |         | %     |
| Yttrium    | 89-2  |           |           |          | 105        |         | %     |
| Zinc       | 66-2  | 35.48     | 33.74     | 29.90    | 33.04      | 8.64    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:19:11 | DataFile Name :   | 016ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 47.38   | 48.14   | 50.14   | 48.55      | 2.94    | ppb   |
| Zirconium | 91-1 | 46.57   | 47.78   | 50.07   | 48.14      | 3.70    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 15:22:27 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 52431.69  | 50496.18  | 50876.61  | 51268.16   | 2.00    | ppb   |
| Antimony   | 121-1 | 501.50    | 500.08    | 499.15    | 500.24     | 0.24    | ppb   |
| Arsenic    | 75-1  | 509.05    | 508.13    | 502.27    | 506.49     | 0.73    | ppb   |
| Barium     | 135-1 | 2509.53   | 2518.65   | 2498.00   | 2508.73    | 0.41    | ppb   |
| Barium     | 137-1 | 2504.23   | 2497.04   | 2482.28   | 2494.52    | 0.45    | ppb   |
| Beryllium  | 9-1   | 530.09    | 539.45    | 516.97    | 528.84     | 2.14    | ppb   |
| Bismuth    | 209-1 |           |           |           | 93         |         | %     |
| Bismuth    | 209-2 |           |           |           | 98         |         | %     |
| Boron      | 11-1  | 505.11    | 518.68    | 518.21    | 514.00     | 1.50    | ppb   |
| Boron      | 10-1  | 513.06    | 529.55    | 521.14    | 521.25     | 1.58    | ppb   |
| Cadmium    | 106-1 | 506.24    | 505.16    | 507.83    | 506.41     | 0.27    | ppb   |
| Cadmium    | 108-1 | 503.66    | 503.01    | 496.26    | 500.98     | 0.82    | ppb   |
| Cadmium    | 111-1 | 494.84    | 499.40    | 496.71    | 496.98     | 0.46    | ppb   |
| Calcium    | 43-1  | 235557.65 | 240668.15 | 238710.18 | 238311.99  | 1.08    | ppb   |
| Calcium    | 44-1  | 234959.68 | 241319.61 | 238070.20 | 238116.50  | 1.34    | ppb   |
| Chromium   | 52-2  | 528.73    | 498.41    | 510.64    | 512.60     | 2.98    | ppb   |
| Cobalt     | 59-2  | 501.47    | 481.76    | 487.47    | 490.23     | 2.07    | ppb   |
| Copper     | 63-2  | 992.64    | 954.78    | 961.37    | 969.60     | 2.09    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 100        |         | %     |
| Holmium    | 165-2 |           |           |           | 106        |         | %     |
| Indium     | 115-1 |           |           |           | 96         |         | %     |
| Indium     | 115-2 |           |           |           | 103        |         | %     |
| Iron       | 56-2  | 128906.28 | 122975.06 | 123640.19 | 125173.85  | 2.60    | ppb   |
| Iron       | 57-2  | 130102.92 | 125185.77 | 126595.05 | 127294.58  | 1.99    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 207-1 | 512.31    | 516.78    | 514.90    | 514.66     | 0.44    | ppb   |
| Lead       | 208-1 | 508.59    | 510.64    | 512.30    | 510.51     | 0.36    | ppb   |
| Lead       | 206-1 | 510.70    | 506.41    | 512.71    | 509.94     | 0.63    | ppb   |
| Lithium    | 6-1   |           |           |           | 92         |         | %     |
| Magnesium  | 24-2  | 252079.06 | 241064.39 | 243406.92 | 245516.79  | 2.36    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 15:22:27 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 1023.90   | 989.20    | 994.60    | 1002.57    | 1.86    | ppb   |
| Molybdenum | 94-1  | 2528.53   | 2548.58   | 2488.68   | 2521.93    | 1.21    | ppb   |
| Molybdenum | 95-1  | 2502.22   | 2547.04   | 2483.56   | 2510.94    | 1.30    | ppb   |
| Molybdenum | 96-1  | 2492.43   | 2550.66   | 2509.72   | 2517.60    | 1.19    | ppb   |
| Molybdenum | 97-1  | 2497.86   | 2535.79   | 2502.27   | 2511.97    | 0.83    | ppb   |
| Molybdenum | 98-1  | 2483.88   | 2530.36   | 2486.04   | 2500.09    | 1.05    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 511.88    | 490.09    | 496.82    | 499.60     | 2.23    | ppb   |
| Phosphorus | 31-2  | 9511.59   | 9577.52   | 9198.13   | 9429.08    | 2.15    | ppb   |
| Potassium  | 39-2  | 129001.93 | 123268.90 | 124858.21 | 125709.68  | 2.35    | ppb   |
| Rhodium    | 103-1 |           |           |           | 94         |         | %     |
| Rhodium    | 103-2 |           |           |           | 100        |         | %     |
| Scandium   | 45-1  |           |           |           | 99         |         | %     |
| Scandium   | 45-2  |           |           |           | 111        |         | %     |
| Selenium   | 77-2  | 495.97    | 437.21    | 471.44    | 468.20     | 6.30    | ppb   |
| Selenium   | 78-2  | 504.69    | 493.61    | 461.27    | 486.53     | 4.64    | ppb   |
| Selenium   | 82-1  | 497.01    | 505.18    | 494.56    | 498.91     | 1.11    | ppb   |
| Silicon    | 28-1  | 525.47    | 541.46    | 540.67    | 535.87     | 1.68    | ppb   |
| Silver     | 109-1 | 495.71    | 500.20    | 489.91    | 495.27     | 1.04    | ppb   |
| Silver     | 107-1 | 497.92    | 499.03    | 497.21    | 498.05     | 0.18    | ppb   |
| Sodium     | 23-2  | 255171.01 | 243235.04 | 246355.03 | 248253.69  | 2.49    | ppb   |
| Strontium  | 86-1  | 505.12    | 516.13    | 516.54    | 512.59     | 1.26    | ppb   |
| Strontium  | 88-1  | 503.68    | 506.16    | 501.92    | 503.92     | 0.42    | ppb   |
| Sulfur     | 34-1  | 7280.55   | 8110.36   | 8341.57   | 7910.83    | 7.05    | ppb   |
| Terbium    | 159-1 |           |           |           | 100        |         | %     |
| Terbium    | 159-2 |           |           |           | 107        |         | %     |
| Thallium   | 203-1 | 508.13    | 519.05    | 512.54    | 513.24     | 1.07    | ppb   |
| Thallium   | 205-1 | 501.90    | 506.56    | 508.03    | 505.50     | 0.63    | ppb   |
| Tin        | 118-1 | 506.53    | 513.15    | 506.95    | 508.87     | 0.73    | ppb   |
| Titanium   | 47-1  | 2493.31   | 2558.64   | 2519.90   | 2523.95    | 1.30    | ppb   |
| Uranium    | 238-1 | 503.66    | 511.31    | 504.60    | 506.52     | 0.82    | ppb   |
| Vanadium   | 51-2  | 512.46    | 488.39    | 497.10    | 499.32     | 2.44    | ppb   |
| Yttrium    | 89-1  |           |           |           | 99         |         | %     |
| Yttrium    | 89-2  |           |           |           | 108        |         | %     |
| Zinc       | 66-2  | 1022.82   | 987.25    | 986.97    | 999.01     | 2.06    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 15:22:27 | DataFile Name :   | 017CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 503.09  | 511.83  | 501.87  | 505.59     | 1.07    | ppb   |
| Zirconium | 91-1 | 513.60  | 518.84  | 504.31  | 512.25     | 1.44    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:29:14 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.41    | 1.47    | 0.54    | 0.81       | 71.87   | ppb   |
| Antimony   | 121-1 | 0.13    | 0.12    | 0.20    | 0.15       | 30.89   | ppb   |
| Arsenic    | 75-1  | 0.03    | 0.04    | 0.09    | 0.05       | 63.41   | ppb   |
| Barium     | 135-1 | 0.01    | 0.01    | 0.01    | 0.01       | 31.55   | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Beryllium  | 9-1   | 0.05    | 0.04    | 0.08    | 0.06       | 34.21   | ppb   |
| Bismuth    | 209-1 |         |         |         | 98         |         | %     |
| Bismuth    | 209-2 |         |         |         | 113        |         | %     |
| Boron      | 11-1  | 4.15    | 3.96    | 4.68    | 4.26       | 8.78    | ppb   |
| Boron      | 10-1  | 4.23    | 3.75    | 5.34    | 4.44       | 18.32   | ppb   |
| Cadmium    | 106-1 | -0.44   | 0.36    | -0.42   | -0.17      |         | ppb   |
| Cadmium    | 108-1 | -0.03   | -0.03   | 0.00    | -0.02      |         | ppb   |
| Cadmium    | 111-1 | -0.03   | 0.03    | -0.02   | -0.01      |         | ppb   |
| Calcium    | 43-1  | 3.38    | 0.89    | 5.23    | 3.17       | 68.78   | ppb   |
| Calcium    | 44-1  | 8.09    | 8.62    | 21.76   | 12.83      | 60.39   | ppb   |
| Chromium   | 52-2  | -0.06   | -0.05   | -0.05   | -0.06      |         | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Copper     | 63-2  | 0.00    | 0.06    | 0.02    | 0.03       | 112.50  | 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 |         |         |         | 115        |         | %     |
| Indium     | 115-1 |         |         |         | 99         |         | %     |
| Indium     | 115-2 |         |         |         | 117        |         | %     |
| Iron       | 56-2  | 0.10    | 0.19    | 0.31    | 0.20       | 53.22   | ppb   |
| Iron       | 57-2  | -1.07   | -0.74   | -0.11   | -0.64      |         | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 0.05    | 0.07    | 0.08    | 0.07       | 25.47   | ppb   |
| Lead       | 208-1 | 0.06    | 0.07    | 0.10    | 0.07       | 26.35   | ppb   |
| Lead       | 206-1 | 0.05    | 0.08    | 0.08    | 0.07       | 22.49   | ppb   |
| Lithium    | 6-1   |         |         |         | 94         |         | %     |
| Magnesium  | 24-2  | -0.08   | 0.67    | 0.55    | 0.38       | 105.33  | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:29:14 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|---------|------------|---------|-------|
| Manganese  | 55-2  | -0.04    | -0.02    | 0.00    | -0.02      |         | ppb   |
| Molybdenum | 94-1  | 0.09     | 0.13     | 0.12    | 0.12       | 16.82   | ppb   |
| Molybdenum | 95-1  | 0.12     | 0.12     | 0.17    | 0.14       | 22.21   | ppb   |
| Molybdenum | 96-1  | 0.11     | 0.12     | 0.14    | 0.12       | 14.43   | ppb   |
| Molybdenum | 97-1  | 0.10     | 0.13     | 0.18    | 0.14       | 32.96   | ppb   |
| Molybdenum | 98-1  | 0.08     | 0.11     | 0.14    | 0.11       | 23.52   | ppb   |
| Neodymium  | 150-1 |          |          |         |            |         | cps   |
| Neodymium  | 150-2 |          |          |         |            |         | cps   |
| Nickel     | 60-2  | -0.01    | -0.02    | -0.01   | -0.01      |         | ppb   |
| Phosphorus | 31-2  | -14.64   | -4.53    | 5.01    | -4.72      |         | ppb   |
| Potassium  | 39-2  | -10.66   | 2.77     | 2.05    | -1.95      |         | ppb   |
| Rhodium    | 103-1 |          |          |         | 100        |         | %     |
| Rhodium    | 103-2 |          |          |         | 115        |         | %     |
| Scandium   | 45-1  |          |          |         | 98         |         | %     |
| Scandium   | 45-2  |          |          |         | 117        |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -1.23    | -1.23    | 0.34    | -0.71      |         | ppb   |
| Selenium   | 82-1  | -0.19    | 0.95     | -0.12   | 0.21       | 299.57  | ppb   |
| Silicon    | 28-1  | -3.88    | -4.48    | 7.44    | -0.31      |         | ppb   |
| Silver     | 109-1 | 0.03     | 0.02     | 0.03    | 0.03       | 27.08   | ppb   |
| Silver     | 107-1 | 0.02     | 0.02     | 0.04    | 0.03       | 35.77   | ppb   |
| Sodium     | 23-2  | 44.46    | 44.87    | 46.53   | 45.29      | 2.41    | ppb   |
| Strontium  | 86-1  | 0.06     | -0.01    | 0.13    | 0.06       | 119.82  | ppb   |
| Strontium  | 88-1  | 0.00     | 0.00     | 0.01    | 0.00       | 111.58  | ppb   |
| Sulfur     | 34-1  | -3957.59 | -4140.60 | 251.91  | -2615.43   |         | ppb   |
| Terbium    | 159-1 |          |          |         | 98         |         | %     |
| Terbium    | 159-2 |          |          |         | 116        |         | %     |
| Thallium   | 203-1 | 0.02     | 0.01     | 0.03    | 0.02       | 60.69   | ppb   |
| Thallium   | 205-1 | 0.01     | 0.01     | 0.01    | 0.01       | 27.63   | ppb   |
| Tin        | 118-1 | 0.03     | 0.03     | 0.06    | 0.04       | 45.26   | ppb   |
| Titanium   | 47-1  | -0.01    | 0.01     | 0.03    | 0.01       | 214.87  | ppb   |
| Uranium    | 238-1 | 0.00     | 0.00     | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | -0.01    | 0.00     | 0.00    | 0.00       |         | ppb   |
| Yttrium    | 89-1  |          |          |         | 100        |         | %     |
| Yttrium    | 89-2  |          |          |         | 117        |         | %     |
| Zinc       | 66-2  | -0.06    | 0.01     | 0.05    | 0.00       |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:29:14 | DataFile Name :   | 018CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.00    | 0.01    | 0.01    | 0.01       | 31.15   | ppb   |
| Zirconium | 91-1 | 0.00    | 0.01    | 0.00    | 0.01       | 51.39   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:32:36 | DataFile Name :   | 019LLCC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 20.74   | 23.23   | 22.51   | 22.16      | 5.78    | ppb   |
| Antimony   | 121-1 | 2.17    | 2.26    | 2.21    | 2.21       | 1.92    | ppb   |
| Arsenic    | 75-1  | 1.15    | 0.96    | 0.96    | 1.03       | 10.60   | ppb   |
| Barium     | 135-1 | 10.58   | 10.95   | 10.63   | 10.72      | 1.86    | ppb   |
| Barium     | 137-1 | 10.38   | 10.50   | 10.30   | 10.39      | 0.94    | ppb   |
| Beryllium  | 9-1   | 1.10    | 1.03    | 1.13    | 1.09       | 4.68    | ppb   |
| Bismuth    | 209-1 |         |         |         | 103        |         | %     |
| Bismuth    | 209-2 |         |         |         | 109        |         | %     |
| Boron      | 11-1  | 26.94   | 28.17   | 28.20   | 27.77      | 2.59    | ppb   |
| Boron      | 10-1  | 26.55   | 29.30   | 29.22   | 28.36      | 5.50    | ppb   |
| Cadmium    | 106-1 | 0.29    | 0.37    | 0.66    | 0.44       | 43.63   | ppb   |
| Cadmium    | 108-1 | 0.92    | 1.30    | 1.35    | 1.19       | 19.99   | ppb   |
| Cadmium    | 111-1 | 1.06    | 0.99    | 1.00    | 1.02       | 3.84    | ppb   |
| Calcium    | 43-1  | 482.85  | 506.26  | 502.22  | 497.11     | 2.52    | ppb   |
| Calcium    | 44-1  | 509.93  | 513.51  | 508.49  | 510.64     | 0.51    | ppb   |
| Chromium   | 52-2  | 1.96    | 2.49    | 2.42    | 2.29       | 12.65   | ppb   |
| Cobalt     | 59-2  | 0.95    | 1.15    | 1.16    | 1.09       | 11.06   | ppb   |
| Copper     | 63-2  | 1.96    | 2.40    | 2.29    | 2.22       | 10.21   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 103        |         | %     |
| Holmium    | 165-2 |         |         |         | 111        |         | %     |
| Indium     | 115-1 |         |         |         | 105        |         | %     |
| Indium     | 115-2 |         |         |         | 113        |         | %     |
| Iron       | 56-2  | 50.75   | 58.77   | 57.68   | 55.74      | 7.80    | ppb   |
| Iron       | 57-2  | 49.64   | 57.93   | 60.01   | 55.86      | 9.82    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 1.09    | 1.03    | 1.08    | 1.07       | 2.76    | ppb   |
| Lead       | 208-1 | 1.10    | 1.09    | 1.07    | 1.09       | 1.20    | ppb   |
| Lead       | 206-1 | 1.15    | 1.04    | 1.08    | 1.09       | 4.76    | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | 470.82  | 591.36  | 566.46  | 542.88     | 11.72   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:32:36 | DataFile Name :   | 019LLCC.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1.03     | 1.15     | 1.10     | 1.09       | 5.54    | ppb   |
| Molybdenum | 94-1  | 5.26     | 5.10     | 5.15     | 5.17       | 1.59    | ppb   |
| Molybdenum | 95-1  | 5.19     | 5.28     | 5.25     | 5.24       | 0.84    | ppb   |
| Molybdenum | 96-1  | 5.09     | 5.18     | 5.10     | 5.12       | 0.99    | ppb   |
| Molybdenum | 97-1  | 5.20     | 5.07     | 5.24     | 5.17       | 1.75    | ppb   |
| Molybdenum | 98-1  | 5.28     | 5.18     | 5.17     | 5.21       | 1.21    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 1.03     | 1.24     | 1.26     | 1.18       | 11.10   | ppb   |
| Phosphorus | 31-2  | -14.64   | -14.64   | -4.31    | -11.20     |         | ppb   |
| Potassium  | 39-2  | 473.01   | 607.51   | 554.14   | 544.89     | 12.43   | ppb   |
| Rhodium    | 103-1 |          |          |          | 106        |         | %     |
| Rhodium    | 103-2 |          |          |          | 112        |         | %     |
| Scandium   | 45-1  |          |          |          | 105        |         | %     |
| Scandium   | 45-2  |          |          |          | 114        |         | %     |
| Selenium   | 77-2  | 9.82     | 8.38     | 8.25     | 8.82       | 9.85    | ppb   |
| Selenium   | 78-2  | 2.49     | 2.58     | 4.60     | 3.22       | 37.09   | ppb   |
| Selenium   | 82-1  | 5.57     | 6.20     | 5.91     | 5.89       | 5.36    | ppb   |
| Silicon    | 28-1  | 14.03    | 13.57    | 14.09    | 13.90      | 2.06    | ppb   |
| Silver     | 109-1 | 1.15     | 1.11     | 1.05     | 1.11       | 4.28    | ppb   |
| Silver     | 107-1 | 1.14     | 1.10     | 1.10     | 1.11       | 2.02    | ppb   |
| Sodium     | 23-2  | 537.54   | 627.13   | 606.96   | 590.54     | 7.96    | ppb   |
| Strontium  | 86-1  | 1.06     | 0.93     | 1.16     | 1.05       | 10.87   | ppb   |
| Strontium  | 88-1  | 1.11     | 1.08     | 1.09     | 1.09       | 1.17    | ppb   |
| Sulfur     | 34-1  | -3878.45 | -3992.51 | -3763.75 | -3878.24   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 104        |         | %     |
| Terbium    | 159-2 |          |          |          | 111        |         | %     |
| Thallium   | 203-1 | 1.02     | 1.03     | 1.07     | 1.04       | 2.22    | ppb   |
| Thallium   | 205-1 | 1.02     | 1.04     | 1.02     | 1.03       | 1.13    | ppb   |
| Tin        | 118-1 | 5.37     | 5.46     | 5.58     | 5.47       | 1.90    | ppb   |
| Titanium   | 47-1  | 5.29     | 5.46     | 5.20     | 5.32       | 2.52    | ppb   |
| Uranium    | 238-1 | 1.01     | 1.01     | 0.96     | 0.99       | 2.86    | ppb   |
| Vanadium   | 51-2  | 4.79     | 5.45     | 5.45     | 5.23       | 7.30    | ppb   |
| Yttrium    | 89-1  |          |          |          | 106        |         | %     |
| Yttrium    | 89-2  |          |          |          | 114        |         | %     |
| Zinc       | 66-2  | 2.71     | 2.86     | 2.75     | 2.77       | 2.80    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:32:36 | DataFile Name :   | 019LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 1.03    | 1.07    | 1.00    | 1.03       | 3.05    | ppb   |
| Zirconium | 91-1 | 1.06    | 0.94    | 1.08    | 1.03       | 7.42    | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01 Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:35:58 DataFile Name : 020SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 7.01     | 6.98     | 6.78     | 6.92       | 1.82    | ppb   |
| Antimony   | 121-1 | 0.09     | 0.11     | 0.11     | 0.10       | 7.60    | ppb   |
| Arsenic    | 75-1  | 0.23     | 0.21     | 0.25     | 0.23       | 10.68   | ppb   |
| Barium     | 135-1 | 9.59     | 10.27    | 10.05    | 9.97       | 3.53    | ppb   |
| Barium     | 137-1 | 9.69     | 9.80     | 10.21    | 9.90       | 2.79    | ppb   |
| Beryllium  | 9-1   | 0.02     | 0.02     | 0.05     | 0.03       | 63.89   | ppb   |
| Bismuth    | 209-1 |          |          |          | 104        |         | %     |
| Bismuth    | 209-2 |          |          |          | 105        |         | %     |
| Boron      | 11-1  | 7.75     | 7.85     | 7.77     | 7.79       | 0.73    | ppb   |
| Boron      | 10-1  | 8.10     | 8.67     | 9.31     | 8.69       | 6.97    | ppb   |
| Cadmium    | 106-1 | 0.91     | -0.59    | -0.98    | -0.22      |         | ppb   |
| Cadmium    | 108-1 | -0.02    | 0.12     | 0.02     | 0.04       | 169.96  | ppb   |
| Cadmium    | 111-1 | 0.09     | -0.03    | -0.06    | 0.00       |         | ppb   |
| Calcium    | 43-1  | 57055.56 | 58533.23 | 58722.15 | 58103.65   | 1.57    | ppb   |
| Calcium    | 44-1  | 55572.02 | 57265.29 | 56955.86 | 56597.72   | 1.59    | ppb   |
| Chromium   | 52-2  | 0.41     | 0.50     | 0.43     | 0.45       | 10.70   | ppb   |
| Cobalt     | 59-2  | 0.05     | 0.06     | 0.04     | 0.05       | 17.69   | ppb   |
| Copper     | 63-2  | 75.86    | 76.48    | 76.51    | 76.28      | 0.48    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 104        |         | %     |
| Holmium    | 165-2 |          |          |          | 110        |         | %     |
| Indium     | 115-1 |          |          |          | 106        |         | %     |
| Indium     | 115-2 |          |          |          | 110        |         | %     |
| Iron       | 56-2  | 1599.03  | 1647.85  | 1604.44  | 1617.11    | 1.66    | ppb   |
| Iron       | 57-2  | 1574.64  | 1539.03  | 1615.49  | 1576.39    | 2.43    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 7.00     | 7.10     | 7.25     | 7.12       | 1.81    | ppb   |
| Lead       | 208-1 | 7.26     | 7.50     | 7.59     | 7.45       | 2.29    | ppb   |
| Lead       | 206-1 | 7.50     | 7.88     | 7.89     | 7.76       | 2.86    | ppb   |
| Lithium    | 6-1   |          |          |          | 101        |         | %     |
| Magnesium  | 24-2  | 26468.83 | 26173.48 | 26714.08 | 26452.13   | 1.02    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01             | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:35:58  | DataFile Name :   | 020SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 55.48    | 56.19    | 56.01    | 55.89      | 0.66    | ppb   |
| Molybdenum | 94-1  | 0.59     | 0.63     | 0.56     | 0.59       | 5.95    | ppb   |
| Molybdenum | 95-1  | 0.76     | 0.83     | 0.83     | 0.80       | 4.89    | ppb   |
| Molybdenum | 96-1  | 0.75     | 0.85     | 0.73     | 0.78       | 8.26    | ppb   |
| Molybdenum | 97-1  | 0.85     | 0.79     | 0.83     | 0.82       | 3.65    | ppb   |
| Molybdenum | 98-1  | 0.78     | 0.86     | 0.77     | 0.80       | 6.11    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.94     | 0.82     | 0.75     | 0.84       | 11.55   | ppb   |
| Phosphorus | 31-2  | 15.82    | 6.07     | 6.10     | 9.33       | 60.25   | ppb   |
| Potassium  | 39-2  | 756.72   | 770.75   | 789.39   | 772.29     | 2.12    | ppb   |
| Rhodium    | 103-1 |          |          |          | 105        |         | %     |
| Rhodium    | 103-2 |          |          |          | 108        |         | %     |
| Scandium   | 45-1  |          |          |          | 107        |         | %     |
| Scandium   | 45-2  |          |          |          | 111        |         | %     |
| Selenium   | 77-2  | 0.00     | 2.76     | 0.00     | 0.92       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.83    | -1.23    | 0.00     | -0.69      |         | ppb   |
| Selenium   | 82-1  | 0.22     | 0.28     | 0.22     | 0.24       | 14.10   | ppb   |
| Silicon    | 28-1  | 4987.15  | 5180.38  | 5146.94  | 5104.82    | 2.02    | ppb   |
| Silver     | 109-1 | 0.07     | 0.06     | 0.07     | 0.06       | 7.65    | ppb   |
| Silver     | 107-1 | 0.06     | 0.05     | 0.06     | 0.06       | 5.79    | ppb   |
| Sodium     | 23-2  | 13032.94 | 12961.91 | 13172.88 | 13055.91   | 0.82    | ppb   |
| Strontium  | 86-1  | 317.39   | 328.34   | 328.80   | 324.84     | 1.99    | ppb   |
| Strontium  | 88-1  | 322.03   | 329.90   | 328.82   | 326.91     | 1.31    | ppb   |
| Sulfur     | 34-1  | 5554.20  | 6674.57  | 6732.99  | 6320.59    | 10.51   | ppb   |
| Terbium    | 159-1 |          |          |          | 105        |         | %     |
| Terbium    | 159-2 |          |          |          | 111        |         | %     |
| Thallium   | 203-1 | 0.02     | 0.04     | 0.04     | 0.03       | 34.58   | ppb   |
| Thallium   | 205-1 | 0.03     | 0.03     | 0.03     | 0.03       | 2.74    | ppb   |
| Tin        | 118-1 | 0.89     | 0.95     | 0.99     | 0.94       | 5.20    | ppb   |
| Titanium   | 47-1  | 0.33     | 0.32     | 0.32     | 0.32       | 2.20    | ppb   |
| Uranium    | 238-1 | 1.53     | 1.56     | 1.58     | 1.56       | 1.84    | ppb   |
| Vanadium   | 51-2  | 0.39     | 0.34     | 0.30     | 0.34       | 12.89   | ppb   |
| Yttrium    | 89-1  |          |          |          | 107        |         | %     |
| Yttrium    | 89-2  |          |          |          | 112        |         | %     |
| Zinc       | 66-2  | 118.97   | 119.03   | 118.94   | 118.98     | 0.04    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01             | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:35:58  | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.02    | 0.02    | 0.02    | 0.02       | 5.51    | ppb   |
| Zirconium | 91-1 | 0.00    | 0.03    | 0.03    | 0.02       | 80.99   | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-02 Instrumnet Name : P8  
 Client Sample ID : 381018189-POST-TREA Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:39:17 DataFile Name : 021LCS6.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4.19     | 6.02     | 5.49     | 5.24       | 17.95   | ppb   |
| Antimony   | 121-1 | 0.08     | 0.09     | 0.07     | 0.08       | 8.03    | ppb   |
| Arsenic    | 75-1  | 0.23     | 0.18     | 0.27     | 0.23       | 18.53   | ppb   |
| Barium     | 135-1 | 10.75    | 10.32    | 10.34    | 10.47      | 2.32    | ppb   |
| Barium     | 137-1 | 10.57    | 10.40    | 10.05    | 10.34      | 2.58    | ppb   |
| Beryllium  | 9-1   | 0.05     | 0.06     | 0.02     | 0.04       | 48.30   | ppb   |
| Bismuth    | 209-1 |          |          |          | 99         |         | %     |
| Bismuth    | 209-2 |          |          |          | 113        |         | %     |
| Boron      | 11-1  | 7.80     | 7.53     | 7.48     | 7.60       | 2.25    | ppb   |
| Boron      | 10-1  | 7.45     | 7.90     | 7.48     | 7.61       | 3.26    | ppb   |
| Cadmium    | 106-1 | 0.93     | -0.96    | 0.03     | 0.00       |         | ppb   |
| Cadmium    | 108-1 | 0.11     | -0.03    | 0.02     | 0.03       | 222.70  | ppb   |
| Cadmium    | 111-1 | 0.07     | -0.06    | 0.01     | 0.00       | 1353.01 | ppb   |
| Calcium    | 43-1  | 62150.34 | 59530.95 | 59913.70 | 60531.67   | 2.34    | ppb   |
| Calcium    | 44-1  | 60325.57 | 58582.97 | 58580.52 | 59163.02   | 1.70    | ppb   |
| Chromium   | 52-2  | 0.56     | 0.52     | 0.44     | 0.50       | 11.44   | ppb   |
| Cobalt     | 59-2  | 0.07     | 0.06     | 0.07     | 0.06       | 11.32   | ppb   |
| Copper     | 63-2  | 25.26    | 24.84    | 25.11    | 25.07      | 0.86    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 100        |         | %     |
| Holmium    | 165-2 |          |          |          | 118        |         | %     |
| Indium     | 115-1 |          |          |          | 101        |         | %     |
| Indium     | 115-2 |          |          |          | 118        |         | %     |
| Iron       | 56-2  | 1624.16  | 1587.00  | 1625.86  | 1612.34    | 1.36    | ppb   |
| Iron       | 57-2  | 1585.94  | 1563.20  | 1605.59  | 1584.91    | 1.34    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 2.37     | 2.49     | 2.33     | 2.40       | 3.38    | ppb   |
| Lead       | 208-1 | 2.49     | 2.49     | 2.46     | 2.48       | 0.79    | ppb   |
| Lead       | 206-1 | 2.67     | 2.59     | 2.53     | 2.60       | 2.86    | ppb   |
| Lithium    | 6-1   |          |          |          | 98         |         | %     |
| Magnesium  | 24-2  | 24633.82 | 24218.60 | 24630.11 | 24494.18   | 0.97    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-02            | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018189-POST-TREA | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:39:17 | DataFile Name :   | 021LCS6.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 51.87    | 53.54    | 52.90    | 52.77      | 1.60    | ppb   |
| Molybdenum | 94-1  | 0.49     | 0.48     | 0.53     | 0.50       | 5.39    | ppb   |
| Molybdenum | 95-1  | 0.66     | 0.66     | 0.62     | 0.65       | 3.94    | ppb   |
| Molybdenum | 96-1  | 0.58     | 0.65     | 0.58     | 0.60       | 7.35    | ppb   |
| Molybdenum | 97-1  | 0.70     | 0.63     | 0.61     | 0.65       | 7.56    | ppb   |
| Molybdenum | 98-1  | 0.67     | 0.63     | 0.60     | 0.63       | 5.96    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.68     | 0.63     | 0.58     | 0.63       | 8.55    | ppb   |
| Phosphorus | 31-2  | -5.17    | 13.94    | 14.20    | 7.66       | 145.04  | ppb   |
| Potassium  | 39-2  | 734.76   | 703.00   | 710.89   | 716.21     | 2.31    | ppb   |
| Rhodium    | 103-1 |          |          |          | 100        |         | %     |
| Rhodium    | 103-2 |          |          |          | 115        |         | %     |
| Scandium   | 45-1  |          |          |          | 102        |         | %     |
| Scandium   | 45-2  |          |          |          | 120        |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -1.23    | -0.85    | -0.45    | -0.84      |         | ppb   |
| Selenium   | 82-1  | 0.96     | 0.74     | 0.51     | 0.73       | 30.67   | ppb   |
| Silicon    | 28-1  | 5404.22  | 5302.17  | 5245.18  | 5317.19    | 1.52    | ppb   |
| Silver     | 109-1 | 0.04     | 0.04     | 0.04     | 0.04       | 8.24    | ppb   |
| Silver     | 107-1 | 0.03     | 0.03     | 0.03     | 0.03       | 18.40   | ppb   |
| Sodium     | 23-2  | 12197.96 | 12147.37 | 12277.18 | 12207.50   | 0.54    | ppb   |
| Strontium  | 86-1  | 344.09   | 339.04   | 337.27   | 340.13     | 1.04    | ppb   |
| Strontium  | 88-1  | 347.50   | 341.16   | 339.44   | 342.70     | 1.24    | ppb   |
| Sulfur     | 34-1  | 9049.09  | 8125.07  | 7833.25  | 8335.80    | 7.61    | ppb   |
| Terbium    | 159-1 |          |          |          | 102        |         | %     |
| Terbium    | 159-2 |          |          |          | 119        |         | %     |
| Thallium   | 203-1 | 0.03     | 0.03     | 0.03     | 0.03       | 5.16    | ppb   |
| Thallium   | 205-1 | 0.05     | 0.04     | 0.04     | 0.04       | 13.90   | ppb   |
| Tin        | 118-1 | 0.81     | 0.78     | 1.16     | 0.91       | 22.97   | ppb   |
| Titanium   | 47-1  | 0.38     | 0.34     | 0.39     | 0.37       | 7.73    | ppb   |
| Uranium    | 238-1 | 1.64     | 1.68     | 1.69     | 1.67       | 1.47    | ppb   |
| Vanadium   | 51-2  | 0.29     | 0.34     | 0.35     | 0.33       | 9.39    | ppb   |
| Yttrium    | 89-1  |          |          |          | 102        |         | %     |
| Yttrium    | 89-2  |          |          |          | 119        |         | %     |
| Zinc       | 66-2  | 32.67    | 31.70    | 32.14    | 32.17      | 1.51    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-02            | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018189-POST-TREA | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:39:17 | DataFile Name :   | 021LCS6.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.03    | 0.02    | 0.03    | 0.03       | 23.21   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.01    | 0.02    | 0.02       | 14.42   | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01DUP          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:44:52  | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 7.28     | 6.16     | 6.84     | 6.76       | 8.30    | ppb   |
| Antimony   | 121-1 | 0.08     | 0.10     | 0.09     | 0.09       | 11.58   | ppb   |
| Arsenic    | 75-1  | 0.17     | 0.24     | 0.29     | 0.23       | 24.93   | ppb   |
| Barium     | 135-1 | 10.20    | 10.56    | 10.37    | 10.38      | 1.72    | ppb   |
| Barium     | 137-1 | 9.71     | 10.25    | 10.25    | 10.07      | 3.10    | ppb   |
| Beryllium  | 9-1   | 0.05     | 0.02     | 0.03     | 0.03       | 41.57   | ppb   |
| Bismuth    | 209-1 |          |          |          | 102        |         | %     |
| Bismuth    | 209-2 |          |          |          | 116        |         | %     |
| Boron      | 11-1  | 6.38     | 6.36     | 7.00     | 6.58       | 5.53    | ppb   |
| Boron      | 10-1  | 6.02     | 7.85     | 6.84     | 6.90       | 13.28   | ppb   |
| Cadmium    | 106-1 | 0.54     | 0.60     | 0.00     | 0.38       | 87.31   | ppb   |
| Cadmium    | 108-1 | 0.06     | 0.06     | 0.18     | 0.10       | 68.23   | ppb   |
| Cadmium    | 111-1 | 0.06     | 0.07     | 0.02     | 0.05       | 58.66   | ppb   |
| Calcium    | 43-1  | 57763.20 | 59007.33 | 60809.25 | 59193.26   | 2.59    | ppb   |
| Calcium    | 44-1  | 56563.16 | 57888.06 | 59904.45 | 58118.55   | 2.89    | ppb   |
| Chromium   | 52-2  | 0.39     | 0.40     | 0.40     | 0.40       | 2.30    | ppb   |
| Cobalt     | 59-2  | 0.04     | 0.03     | 0.03     | 0.04       | 11.85   | ppb   |
| Copper     | 63-2  | 68.06    | 69.77    | 71.39    | 69.74      | 2.39    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 104        |         | %     |
| Holmium    | 165-2 |          |          |          | 119        |         | %     |
| Indium     | 115-1 |          |          |          | 104        |         | %     |
| Indium     | 115-2 |          |          |          | 120        |         | %     |
| Iron       | 56-2  | 1416.44  | 1473.59  | 1501.24  | 1463.76    | 2.95    | ppb   |
| Iron       | 57-2  | 1460.10  | 1463.24  | 1511.49  | 1478.28    | 1.95    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 7.08     | 7.33     | 7.45     | 7.29       | 2.62    | ppb   |
| Lead       | 208-1 | 7.35     | 7.63     | 7.80     | 7.59       | 3.02    | ppb   |
| Lead       | 206-1 | 7.64     | 8.03     | 8.00     | 7.89       | 2.78    | ppb   |
| Lithium    | 6-1   |          |          |          | 100        |         | %     |
| Magnesium  | 24-2  | 23422.84 | 23995.72 | 24980.67 | 24133.08   | 3.27    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01DUP          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:44:52  | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 49.49    | 49.01    | 50.87    | 49.79      | 1.94    | ppb   |
| Molybdenum | 94-1  | 0.67     | 0.67     | 0.62     | 0.65       | 4.66    | ppb   |
| Molybdenum | 95-1  | 0.72     | 0.82     | 0.83     | 0.79       | 7.61    | ppb   |
| Molybdenum | 96-1  | 0.72     | 0.81     | 0.86     | 0.80       | 8.77    | ppb   |
| Molybdenum | 97-1  | 0.80     | 0.80     | 0.74     | 0.78       | 4.41    | ppb   |
| Molybdenum | 98-1  | 0.74     | 0.85     | 0.79     | 0.79       | 7.04    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.79     | 0.81     | 0.76     | 0.79       | 3.47    | ppb   |
| Phosphorus | 31-2  | -5.43    | -14.64   | -4.89    | -8.32      |         | ppb   |
| Potassium  | 39-2  | 671.93   | 712.65   | 724.77   | 703.12     | 3.94    | ppb   |
| Rhodium    | 103-1 |          |          |          | 102        |         | %     |
| Rhodium    | 103-2 |          |          |          | 116        |         | %     |
| Scandium   | 45-1  |          |          |          | 104        |         | %     |
| Scandium   | 45-2  |          |          |          | 121        |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -1.23    | -1.23    | -0.84    | -1.10      |         | ppb   |
| Selenium   | 82-1  | -0.32    | 0.33     | 0.75     | 0.25       | 214.15  | ppb   |
| Silicon    | 28-1  | 5114.56  | 5213.07  | 5326.21  | 5217.94    | 2.03    | ppb   |
| Silver     | 109-1 | 0.04     | 0.04     | 0.05     | 0.04       | 11.40   | ppb   |
| Silver     | 107-1 | 0.04     | 0.04     | 0.05     | 0.04       | 9.67    | ppb   |
| Sodium     | 23-2  | 11680.98 | 11893.93 | 12341.62 | 11972.18   | 2.82    | ppb   |
| Strontium  | 86-1  | 324.80   | 335.75   | 342.01   | 334.19     | 2.61    | ppb   |
| Strontium  | 88-1  | 328.64   | 337.61   | 343.86   | 336.70     | 2.27    | ppb   |
| Sulfur     | 34-1  | 7389.01  | 8313.82  | 8595.10  | 8099.31    | 7.79    | ppb   |
| Terbium    | 159-1 |          |          |          | 103        |         | %     |
| Terbium    | 159-2 |          |          |          | 120        |         | %     |
| Thallium   | 203-1 | 0.02     | 0.03     | 0.03     | 0.03       | 15.52   | ppb   |
| Thallium   | 205-1 | 0.02     | 0.03     | 0.03     | 0.03       | 13.70   | ppb   |
| Tin        | 118-1 | 0.98     | 0.95     | 1.00     | 0.98       | 2.54    | ppb   |
| Titanium   | 47-1  | 0.24     | 0.30     | 0.32     | 0.29       | 15.50   | ppb   |
| Uranium    | 238-1 | 1.55     | 1.60     | 1.62     | 1.59       | 2.30    | ppb   |
| Vanadium   | 51-2  | 0.30     | 0.25     | 0.35     | 0.30       | 15.27   | ppb   |
| Yttrium    | 89-1  |          |          |          | 104        |         | %     |
| Yttrium    | 89-2  |          |          |          | 120        |         | %     |
| Zinc       | 66-2  | 107.70   | 109.39   | 112.00   | 109.70     | 1.98    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01DUP          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:44:52  | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.03    | 0.03    | 0.03    | 0.03       | 3.18    | ppb   |
| Zirconium | 91-1 | 0.04    | 0.07    | 0.04    | 0.05       | 28.14   | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01LX5 Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 5  
 Date & Time Acquired :: 2018-11-02 15:48:12 DataFile Name : 023SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1.93     | 3.40     | 0.78     | 2.04       | 64.47   | ppb   |
| Antimony   | 121-1 | 0.03     | 0.03     | 0.02     | 0.03       | 10.31   | ppb   |
| Arsenic    | 75-1  | 0.05     | 0.07     | 0.06     | 0.06       | 16.90   | ppb   |
| Barium     | 135-1 | 2.07     | 1.93     | 2.02     | 2.01       | 3.51    | ppb   |
| Barium     | 137-1 | 2.21     | 1.84     | 1.95     | 2.00       | 9.55    | ppb   |
| Beryllium  | 9-1   | 0.03     | 0.04     | 0.03     | 0.04       | 19.85   | ppb   |
| Bismuth    | 209-1 |          |          |          | 105        |         | %     |
| Bismuth    | 209-2 |          |          |          | 112        |         | %     |
| Boron      | 11-1  | 2.48     | 2.12     | 2.16     | 2.25       | 8.68    | ppb   |
| Boron      | 10-1  | 2.03     | 2.53     | 2.26     | 2.27       | 11.05   | ppb   |
| Cadmium    | 106-1 | 0.14     | -0.05    | 0.33     | 0.14       | 137.36  | ppb   |
| Cadmium    | 108-1 | 0.02     | -0.02    | 0.02     | 0.01       | 257.89  | ppb   |
| Cadmium    | 111-1 | 0.02     | 0.00     | 0.03     | 0.02       | 80.18   | ppb   |
| Calcium    | 43-1  | 11719.79 | 10866.21 | 11374.26 | 11320.09   | 3.79    | ppb   |
| Calcium    | 44-1  | 11689.41 | 10981.00 | 11230.29 | 11300.23   | 3.18    | ppb   |
| Chromium   | 52-2  | 0.01     | 0.00     | 0.06     | 0.02       | 143.46  | ppb   |
| Cobalt     | 59-2  | 0.00     | 0.01     | 0.01     | 0.01       | 58.26   | ppb   |
| Copper     | 63-2  | 14.02    | 13.97    | 15.54    | 14.51      | 6.12    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 104        |         | %     |
| Holmium    | 165-2 |          |          |          | 113        |         | %     |
| Indium     | 115-1 |          |          |          | 105        |         | %     |
| Indium     | 115-2 |          |          |          | 115        |         | %     |
| Iron       | 56-2  | 291.08   | 283.85   | 321.29   | 298.74     | 6.65    | ppb   |
| Iron       | 57-2  | 266.70   | 303.00   | 341.50   | 303.73     | 12.31   | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 1.46     | 1.41     | 1.48     | 1.45       | 2.43    | ppb   |
| Lead       | 208-1 | 1.52     | 1.44     | 1.54     | 1.50       | 3.40    | ppb   |
| Lead       | 206-1 | 1.63     | 1.47     | 1.52     | 1.54       | 5.17    | ppb   |
| Lithium    | 6-1   |          |          |          | 102        |         | %     |
| Magnesium  | 24-2  | 4723.18  | 4758.23  | 5232.40  | 4904.60    | 5.80    | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01LX5 Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 5  
 Date & Time Acquired :: 2018-11-02 15:48:12 DataFile Name : 023SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 10.01   | 9.77    | 11.13   | 10.30      | 7.06    | ppb   |
| Molybdenum | 94-1  | 0.13    | 0.11    | 0.13    | 0.12       | 9.99    | ppb   |
| Molybdenum | 95-1  | 0.18    | 0.18    | 0.18    | 0.18       | 2.43    | ppb   |
| Molybdenum | 96-1  | 0.16    | 0.16    | 0.16    | 0.16       | 2.12    | ppb   |
| Molybdenum | 97-1  | 0.16    | 0.14    | 0.16    | 0.15       | 9.83    | ppb   |
| Molybdenum | 98-1  | 0.17    | 0.15    | 0.16    | 0.16       | 7.00    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.20    | 0.20    | 0.15    | 0.18       | 15.63   | ppb   |
| Phosphorus | 31-2  | -4.93   | -14.64  | -14.64  | -11.41     |         | ppb   |
| Potassium  | 39-2  | 138.19  | 126.83  | 135.51  | 133.51     | 4.45    | ppb   |
| Rhodium    | 103-1 |         |         |         | 104        |         | %     |
| Rhodium    | 103-2 |         |         |         | 114        |         | %     |
| Scandium   | 45-1  |         |         |         | 105        |         | %     |
| Scandium   | 45-2  |         |         |         | 114        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.46   | -0.84   | -1.23   | -0.84      |         | ppb   |
| Selenium   | 82-1  | 0.36    | -0.57   | 0.41    | 0.07       | 830.02  | ppb   |
| Silicon    | 28-1  | 1039.91 | 983.24  | 1000.04 | 1007.73    | 2.89    | ppb   |
| Silver     | 109-1 | 0.02    | 0.01    | 0.02    | 0.02       | 26.41   | ppb   |
| Silver     | 107-1 | 0.01    | 0.01    | 0.00    | 0.01       | 51.45   | ppb   |
| Sodium     | 23-2  | 2376.81 | 2347.15 | 2578.88 | 2434.28    | 5.18    | ppb   |
| Strontium  | 86-1  | 67.11   | 62.16   | 65.94   | 65.07      | 3.98    | ppb   |
| Strontium  | 88-1  | 69.85   | 64.11   | 66.74   | 66.90      | 4.30    | ppb   |
| Sulfur     | 34-1  | 1692.97 | 276.53  | 1220.04 | 1063.18    | 67.83   | ppb   |
| Terbium    | 159-1 |         |         |         | 105        |         | %     |
| Terbium    | 159-2 |         |         |         | 114        |         | %     |
| Thallium   | 203-1 | 0.00    | 0.00    | 0.01    | 0.01       | 95.72   | ppb   |
| Thallium   | 205-1 | 0.01    | 0.01    | 0.01    | 0.01       | 42.80   | ppb   |
| Tin        | 118-1 | 0.20    | 0.19    | 0.17    | 0.19       | 8.06    | ppb   |
| Titanium   | 47-1  | 0.09    | 0.09    | 0.08    | 0.09       | 7.33    | ppb   |
| Uranium    | 238-1 | 0.32    | 0.30    | 0.31    | 0.31       | 3.30    | ppb   |
| Vanadium   | 51-2  | 0.06    | 0.08    | 0.06    | 0.07       | 13.48   | ppb   |
| Yttrium    | 89-1  |         |         |         | 104        |         | %     |
| Yttrium    | 89-2  |         |         |         | 115        |         | %     |
| Zinc       | 66-2  | 22.41   | 21.65   | 23.54   | 22.53      | 4.22    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01LX5          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-11-02 15:48:12  | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.00    | 0.01    | 0.01    | 0.01       | 119.24  | ppb   |
| Zirconium | 91-1 | 0.00    | 0.00    | 0.02    | 0.00       | 269.18  | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01MS Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:51:32 DataFile Name : 024SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1842.30  | 1799.39  | 1865.63  | 1835.77    | 1.83    | ppb   |
| Antimony   | 121-1 | 769.77   | 735.77   | 741.41   | 748.98     | 2.43    | ppb   |
| Arsenic    | 75-1  | 796.97   | 772.50   | 760.36   | 776.61     | 2.40    | ppb   |
| Barium     | 135-1 | 214.18   | 207.67   | 208.31   | 210.05     | 1.71    | ppb   |
| Barium     | 137-1 | 213.78   | 206.47   | 207.37   | 209.21     | 1.91    | ppb   |
| Beryllium  | 9-1   | 196.05   | 188.40   | 183.69   | 189.38     | 3.30    | ppb   |
| Bismuth    | 209-1 |          |          |          | 100        |         | %     |
| Bismuth    | 209-2 |          |          |          | 102        |         | %     |
| Boron      | 11-1  | 297.20   | 290.36   | 294.44   | 294.00     | 1.17    | ppb   |
| Boron      | 10-1  | 301.58   | 296.79   | 301.83   | 300.06     | 0.95    | ppb   |
| Cadmium    | 106-1 | 165.84   | 151.91   | 155.55   | 157.76     | 4.58    | ppb   |
| Cadmium    | 108-1 | 177.42   | 170.41   | 170.36   | 172.73     | 2.35    | ppb   |
| Cadmium    | 111-1 | 198.88   | 187.34   | 191.04   | 192.42     | 3.06    | ppb   |
| Calcium    | 43-1  | 60805.79 | 58981.65 | 58636.16 | 59474.54   | 1.96    | ppb   |
| Calcium    | 44-1  | 59446.52 | 57443.18 | 57007.14 | 57965.61   | 2.24    | ppb   |
| Chromium   | 52-2  | 389.05   | 383.04   | 403.41   | 391.83     | 2.67    | ppb   |
| Cobalt     | 59-2  | 196.55   | 192.43   | 201.24   | 196.74     | 2.24    | ppb   |
| Copper     | 63-2  | 377.73   | 371.44   | 386.74   | 378.64     | 2.03    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 103        |         | %     |
| Holmium    | 165-2 |          |          |          | 107        |         | %     |
| Indium     | 115-1 |          |          |          | 100        |         | %     |
| Indium     | 115-2 |          |          |          | 103        |         | %     |
| Iron       | 56-2  | 5011.70  | 4968.31  | 5166.56  | 5048.86    | 2.06    | ppb   |
| Iron       | 57-2  | 5087.35  | 4913.81  | 5164.22  | 5055.13    | 2.54    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 989.53   | 967.36   | 960.81   | 972.57     | 1.55    | ppb   |
| Lead       | 208-1 | 998.65   | 974.48   | 966.19   | 979.77     | 1.72    | ppb   |
| Lead       | 206-1 | 991.54   | 979.57   | 966.33   | 979.15     | 1.29    | ppb   |
| Lithium    | 6-1   |          |          |          | 100        |         | %     |
| Magnesium  | 24-2  | 27568.36 | 27132.76 | 28614.16 | 27771.76   | 2.74    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01MS           | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:51:32  | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 250.58   | 245.16   | 256.30   | 250.68     | 2.22    | ppb   |
| Molybdenum | 94-1  | 279.91   | 271.36   | 271.99   | 274.42     | 1.74    | ppb   |
| Molybdenum | 95-1  | 401.56   | 387.65   | 389.80   | 393.00     | 1.91    | ppb   |
| Molybdenum | 96-1  | 388.74   | 376.89   | 374.86   | 380.17     | 1.97    | ppb   |
| Molybdenum | 97-1  | 401.29   | 387.23   | 380.86   | 389.80     | 2.68    | ppb   |
| Molybdenum | 98-1  | 402.91   | 390.22   | 382.90   | 392.01     | 2.58    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 491.55   | 487.15   | 510.75   | 496.48     | 2.53    | ppb   |
| Phosphorus | 31-2  | 5583.70  | 5690.45  | 5927.96  | 5734.04    | 3.07    | ppb   |
| Potassium  | 39-2  | 10719.60 | 10420.10 | 11050.16 | 10729.96   | 2.94    | ppb   |
| Rhodium    | 103-1 |          |          |          | 99         |         | %     |
| Rhodium    | 103-2 |          |          |          | 104        |         | %     |
| Scandium   | 45-1  |          |          |          | 99         |         | %     |
| Scandium   | 45-2  |          |          |          | 105        |         | %     |
| Selenium   | 77-2  | 2010.27  | 1965.42  | 2114.30  | 2030.00    | 3.76    | ppb   |
| Selenium   | 78-2  | 1922.82  | 1817.16  | 1965.12  | 1901.70    | 4.01    | ppb   |
| Selenium   | 82-1  | 1995.62  | 1937.32  | 1928.67  | 1953.87    | 1.86    | ppb   |
| Silicon    | 28-1  | 6179.11  | 5945.07  | 5854.84  | 5993.01    | 2.79    | ppb   |
| Silver     | 109-1 | 76.75    | 73.20    | 73.80    | 74.58      | 2.54    | ppb   |
| Silver     | 107-1 | 76.04    | 73.42    | 72.86    | 74.11      | 2.29    | ppb   |
| Sodium     | 23-2  | 16141.38 | 15785.21 | 16573.80 | 16166.79   | 2.44    | ppb   |
| Strontium  | 86-1  | 537.54   | 521.97   | 512.40   | 523.97     | 2.42    | ppb   |
| Strontium  | 88-1  | 532.10   | 513.95   | 514.15   | 520.07     | 2.00    | ppb   |
| Sulfur     | 34-1  | 9642.63  | 7875.92  | 7066.17  | 8194.91    | 16.08   | ppb   |
| Terbium    | 159-1 |          |          |          | 103        |         | %     |
| Terbium    | 159-2 |          |          |          | 108        |         | %     |
| Thallium   | 203-1 | 1967.97  | 1932.49  | 1918.57  | 1939.68    | 1.31    | ppb   |
| Thallium   | 205-1 | 1988.20  | 1944.02  | 1939.89  | 1957.37    | 1.37    | ppb   |
| Tin        | 118-1 | 709.14   | 683.35   | 681.77   | 691.42     | 2.22    | ppb   |
| Titanium   | 47-1  | 203.30   | 197.10   | 195.56   | 198.65     | 2.06    | ppb   |
| Uranium    | 238-1 | 1.64     | 1.58     | 1.57     | 1.60       | 2.37    | ppb   |
| Vanadium   | 51-2  | 294.56   | 288.38   | 300.82   | 294.59     | 2.11    | ppb   |
| Yttrium    | 89-1  |          |          |          | 101        |         | %     |
| Yttrium    | 89-2  |          |          |          | 105        |         | %     |
| Zinc       | 66-2  | 315.04   | 311.01   | 322.91   | 316.32     | 1.91    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01MS           | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:51:32  | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.34    | 0.30    | 0.32    | 0.32       | 7.42    | ppb   |
| Zirconium | 91-1 | 0.70    | 0.66    | 0.58    | 0.65       | 9.11    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01MSD          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:54:47  | DataFile Name :   | 025SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1844.99  | 1809.24  | 1898.78  | 1851.01    | 2.44    | ppb   |
| Antimony   | 121-1 | 754.70   | 751.89   | 753.23   | 753.28     | 0.19    | ppb   |
| Arsenic    | 75-1  | 783.28   | 794.44   | 793.43   | 790.38     | 0.78    | ppb   |
| Barium     | 135-1 | 211.00   | 210.01   | 214.11   | 211.71     | 1.01    | ppb   |
| Barium     | 137-1 | 211.85   | 210.23   | 213.48   | 211.85     | 0.77    | ppb   |
| Beryllium  | 9-1   | 192.71   | 193.03   | 191.35   | 192.37     | 0.46    | ppb   |
| Bismuth    | 209-1 |          |          |          | 100        |         | %     |
| Bismuth    | 209-2 |          |          |          | 100        |         | %     |
| Boron      | 11-1  | 302.40   | 308.52   | 311.84   | 307.59     | 1.56    | ppb   |
| Boron      | 10-1  | 309.83   | 308.04   | 312.29   | 310.06     | 0.69    | ppb   |
| Cadmium    | 106-1 | 156.81   | 159.34   | 163.74   | 159.96     | 2.19    | ppb   |
| Cadmium    | 108-1 | 175.49   | 173.36   | 177.27   | 175.37     | 1.12    | ppb   |
| Cadmium    | 111-1 | 195.28   | 194.01   | 196.46   | 195.25     | 0.63    | ppb   |
| Calcium    | 43-1  | 59492.50 | 60552.67 | 59552.79 | 59865.99   | 0.99    | ppb   |
| Calcium    | 44-1  | 58174.93 | 58919.99 | 58801.82 | 58632.24   | 0.68    | ppb   |
| Chromium   | 52-2  | 401.14   | 405.66   | 413.27   | 406.69     | 1.51    | ppb   |
| Cobalt     | 59-2  | 201.82   | 204.39   | 208.48   | 204.90     | 1.64    | ppb   |
| Copper     | 63-2  | 384.20   | 390.68   | 400.16   | 391.68     | 2.05    | 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 |          |          |          | 104        |         | %     |
| Holmium    | 165-2 |          |          |          | 105        |         | %     |
| Indium     | 115-1 |          |          |          | 101        |         | %     |
| Indium     | 115-2 |          |          |          | 101        |         | %     |
| Iron       | 56-2  | 5116.28  | 5243.06  | 5327.62  | 5228.99    | 2.03    | ppb   |
| Iron       | 57-2  | 5145.03  | 5232.71  | 5359.53  | 5245.75    | 2.06    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 986.43   | 995.66   | 994.15   | 992.08     | 0.50    | ppb   |
| Lead       | 208-1 | 1000.38  | 1003.26  | 1004.27  | 1002.64    | 0.20    | ppb   |
| Lead       | 206-1 | 998.66   | 1000.14  | 999.51   | 999.44     | 0.07    | ppb   |
| Lithium    | 6-1   |          |          |          | 99         |         | %     |
| Magnesium  | 24-2  | 28614.11 | 28493.87 | 29163.08 | 28757.02   | 1.24    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01MSD          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:54:47  | DataFile Name :   | 025SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 253.90   | 256.56   | 263.18   | 257.88     | 1.85    | ppb   |
| Molybdenum | 94-1  | 277.59   | 279.28   | 278.81   | 278.56     | 0.31    | ppb   |
| Molybdenum | 95-1  | 392.11   | 400.49   | 401.92   | 398.17     | 1.33    | ppb   |
| Molybdenum | 96-1  | 387.73   | 391.38   | 381.32   | 386.81     | 1.32    | ppb   |
| Molybdenum | 97-1  | 390.03   | 398.45   | 390.19   | 392.89     | 1.23    | ppb   |
| Molybdenum | 98-1  | 393.96   | 399.26   | 395.86   | 396.36     | 0.68    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 507.55   | 514.76   | 525.43   | 515.92     | 1.74    | ppb   |
| Phosphorus | 31-2  | 6469.78  | 5901.15  | 5850.86  | 6073.93    | 5.66    | ppb   |
| Potassium  | 39-2  | 10970.80 | 11060.06 | 11022.20 | 11017.69   | 0.41    | ppb   |
| Rhodium    | 103-1 |          |          |          | 99         |         | %     |
| Rhodium    | 103-2 |          |          |          | 103        |         | %     |
| Scandium   | 45-1  |          |          |          | 99         |         | %     |
| Scandium   | 45-2  |          |          |          | 104        |         | %     |
| Selenium   | 77-2  | 1941.98  | 2115.34  | 2128.21  | 2061.84    | 5.04    | ppb   |
| Selenium   | 78-2  | 1879.51  | 1995.66  | 1978.78  | 1951.32    | 3.22    | ppb   |
| Selenium   | 82-1  | 1957.53  | 1981.97  | 1989.08  | 1976.19    | 0.84    | ppb   |
| Silicon    | 28-1  | 5940.65  | 6016.74  | 5983.02  | 5980.14    | 0.64    | ppb   |
| Silver     | 109-1 | 75.34    | 75.43    | 75.14    | 75.30      | 0.20    | ppb   |
| Silver     | 107-1 | 74.88    | 75.37    | 75.73    | 75.33      | 0.57    | ppb   |
| Sodium     | 23-2  | 16404.74 | 16605.47 | 16886.34 | 16632.18   | 1.45    | ppb   |
| Strontium  | 86-1  | 530.79   | 528.91   | 539.42   | 533.04     | 1.05    | ppb   |
| Strontium  | 88-1  | 526.22   | 533.24   | 532.57   | 530.68     | 0.73    | ppb   |
| Sulfur     | 34-1  | 7277.84  | 7246.69  | 7008.66  | 7177.73    | 2.05    | ppb   |
| Terbium    | 159-1 |          |          |          | 104        |         | %     |
| Terbium    | 159-2 |          |          |          | 106        |         | %     |
| Thallium   | 203-1 | 2005.73  | 1999.69  | 1982.20  | 1995.87    | 0.61    | ppb   |
| Thallium   | 205-1 | 2009.56  | 2003.85  | 1992.54  | 2001.98    | 0.43    | ppb   |
| Tin        | 118-1 | 690.51   | 699.54   | 697.60   | 695.89     | 0.68    | ppb   |
| Titanium   | 47-1  | 199.74   | 200.00   | 204.64   | 201.46     | 1.37    | ppb   |
| Uranium    | 238-1 | 1.63     | 1.66     | 1.65     | 1.65       | 0.88    | ppb   |
| Vanadium   | 51-2  | 303.29   | 305.45   | 310.74   | 306.49     | 1.25    | ppb   |
| Yttrium    | 89-1  |          |          |          | 101        |         | %     |
| Yttrium    | 89-2  |          |          |          | 103        |         | %     |
| Zinc       | 66-2  | 319.89   | 325.96   | 332.76   | 326.20     | 1.98    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01MSD          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:54:47  | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.25    | 0.24    | 0.25    | 0.25       | 2.12    | ppb   |
| Zirconium | 91-1 | 0.55    | 0.60    | 0.59    | 0.58       | 4.48    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01A            | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:58:03  | DataFile Name :   | 026SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1791.52  | 1856.89  | 1803.83  | 1817.41    | 1.91    | ppb   |
| Antimony   | 121-1 | 734.69   | 764.37   | 754.98   | 751.34     | 2.02    | ppb   |
| Arsenic    | 75-1  | 761.91   | 776.22   | 788.58   | 775.57     | 1.72    | ppb   |
| Barium     | 135-1 | 204.27   | 214.33   | 211.80   | 210.13     | 2.49    | ppb   |
| Barium     | 137-1 | 206.85   | 212.33   | 210.65   | 209.94     | 1.34    | ppb   |
| Beryllium  | 9-1   | 190.94   | 192.99   | 188.91   | 190.95     | 1.07    | ppb   |
| Bismuth    | 209-1 |          |          |          | 102        |         | %     |
| Bismuth    | 209-2 |          |          |          | 101        |         | %     |
| Boron      | 11-1  | 302.23   | 309.24   | 307.34   | 306.27     | 1.18    | ppb   |
| Boron      | 10-1  | 300.62   | 314.46   | 313.10   | 309.39     | 2.46    | ppb   |
| Cadmium    | 106-1 | 150.34   | 162.50   | 157.44   | 156.76     | 3.90    | ppb   |
| Cadmium    | 108-1 | 169.19   | 176.02   | 171.29   | 172.17     | 2.03    | ppb   |
| Cadmium    | 111-1 | 188.55   | 198.35   | 194.59   | 193.83     | 2.55    | ppb   |
| Calcium    | 43-1  | 58601.96 | 60205.64 | 59745.30 | 59517.63   | 1.39    | ppb   |
| Calcium    | 44-1  | 57601.69 | 58468.70 | 58780.32 | 58283.57   | 1.05    | ppb   |
| Chromium   | 52-2  | 394.61   | 405.35   | 399.36   | 399.77     | 1.35    | ppb   |
| Cobalt     | 59-2  | 199.18   | 204.57   | 200.99   | 201.58     | 1.36    | ppb   |
| Copper     | 63-2  | 382.31   | 391.93   | 387.27   | 387.17     | 1.24    | 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 |          |          |          | 105        |         | %     |
| Holmium    | 165-2 |          |          |          | 106        |         | %     |
| Indium     | 115-1 |          |          |          | 102        |         | %     |
| Indium     | 115-2 |          |          |          | 101        |         | %     |
| Iron       | 56-2  | 5072.86  | 5240.08  | 5133.11  | 5148.68    | 1.64    | ppb   |
| Iron       | 57-2  | 5100.57  | 5163.42  | 5154.44  | 5139.48    | 0.66    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 207-1 | 972.57   | 987.84   | 973.64   | 978.02     | 0.87    | ppb   |
| Lead       | 208-1 | 986.97   | 998.27   | 986.23   | 990.49     | 0.68    | ppb   |
| Lead       | 206-1 | 989.66   | 1003.15  | 983.33   | 992.05     | 1.02    | ppb   |
| Lithium    | 6-1   |          |          |          | 99         |         | %     |
| Magnesium  | 24-2  | 27999.97 | 28653.74 | 28027.91 | 28227.21   | 1.31    | ppb   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01A Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:58:03 DataFile Name : 026SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 250.77   | 257.04   | 253.23   | 253.68     | 1.24    | ppb   |
| Molybdenum | 94-1  | 268.44   | 275.12   | 279.23   | 274.26     | 1.99    | ppb   |
| Molybdenum | 95-1  | 383.55   | 391.77   | 398.94   | 391.42     | 1.97    | ppb   |
| Molybdenum | 96-1  | 374.80   | 376.07   | 388.09   | 379.65     | 1.93    | ppb   |
| Molybdenum | 97-1  | 387.80   | 393.82   | 401.98   | 394.54     | 1.80    | ppb   |
| Molybdenum | 98-1  | 383.26   | 395.71   | 393.87   | 390.95     | 1.72    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 501.59   | 516.06   | 503.48   | 507.04     | 1.55    | ppb   |
| Phosphorus | 31-2  | 6028.83  | 5887.76  | 6014.64  | 5977.08    | 1.30    | ppb   |
| Potassium  | 39-2  | 10825.59 | 10819.13 | 10706.53 | 10783.75   | 0.62    | ppb   |
| Rhodium    | 103-1 |          |          |          | 101        |         | %     |
| Rhodium    | 103-2 |          |          |          | 103        |         | %     |
| Scandium   | 45-1  |          |          |          | 100        |         | %     |
| Scandium   | 45-2  |          |          |          | 105        |         | %     |
| Selenium   | 77-2  | 2082.49  | 2156.30  | 2120.90  | 2119.90    | 1.74    | ppb   |
| Selenium   | 78-2  | 1923.87  | 1949.54  | 1909.70  | 1927.70    | 1.05    | ppb   |
| Selenium   | 82-1  | 1926.75  | 1944.93  | 1950.15  | 1940.61    | 0.63    | ppb   |
| Silicon    | 28-1  | 5810.66  | 5930.32  | 5944.34  | 5895.11    | 1.25    | ppb   |
| Silver     | 109-1 | 72.48    | 75.40    | 74.75    | 74.21      | 2.07    | ppb   |
| Silver     | 107-1 | 72.37    | 75.23    | 74.73    | 74.11      | 2.06    | ppb   |
| Sodium     | 23-2  | 16294.42 | 16536.61 | 16242.62 | 16357.89   | 0.96    | ppb   |
| Strontium  | 86-1  | 523.11   | 531.96   | 531.53   | 528.87     | 0.94    | ppb   |
| Strontium  | 88-1  | 517.08   | 526.24   | 526.16   | 523.16     | 1.01    | ppb   |
| Sulfur     | 34-1  | 6351.80  | 6662.54  | 6241.24  | 6418.52    | 3.40    | ppb   |
| Terbium    | 159-1 |          |          |          | 106        |         | %     |
| Terbium    | 159-2 |          |          |          | 106        |         | %     |
| Thallium   | 203-1 | 1943.63  | 1999.61  | 1951.14  | 1964.79    | 1.55    | ppb   |
| Thallium   | 205-1 | 1966.96  | 1991.81  | 1957.65  | 1972.14    | 0.90    | ppb   |
| Tin        | 118-1 | 676.84   | 705.31   | 700.70   | 694.28     | 2.20    | ppb   |
| Titanium   | 47-1  | 194.78   | 200.37   | 199.97   | 198.37     | 1.57    | ppb   |
| Uranium    | 238-1 | 1.63     | 1.62     | 1.62     | 1.62       | 0.12    | ppb   |
| Vanadium   | 51-2  | 297.49   | 306.21   | 298.92   | 300.87     | 1.55    | ppb   |
| Yttrium    | 89-1  |          |          |          | 103        |         | %     |
| Yttrium    | 89-2  |          |          |          | 104        |         | %     |
| Zinc       | 66-2  | 312.92   | 324.76   | 322.26   | 319.98     | 1.95    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01A            | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:58:03  | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.23    | 0.23    | 0.23    | 0.23       | 1.41    | ppb   |
| Zirconium | 91-1 | 0.58    | 0.57    | 0.55    | 0.57       | 2.79    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV51               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV51               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 16:04:54 | DataFile Name :   | 027CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 48201.52  | 48066.55  | 48671.52  | 48313.20   | 0.66    | ppb   |
| Antimony   | 121-1 | 469.03    | 452.85    | 509.09    | 476.99     | 6.07    | ppb   |
| Arsenic    | 75-1  | 480.79    | 446.01    | 510.30    | 479.03     | 6.72    | ppb   |
| Barium     | 135-1 | 2368.11   | 2257.18   | 2537.46   | 2387.58    | 5.91    | ppb   |
| Barium     | 137-1 | 2360.77   | 2224.16   | 2518.17   | 2367.70    | 6.21    | ppb   |
| Beryllium  | 9-1   | 513.88    | 474.07    | 533.50    | 507.15     | 5.97    | ppb   |
| Bismuth    | 209-1 |           |           |           | 92         |         | %     |
| Bismuth    | 209-2 |           |           |           | 93         |         | %     |
| Boron      | 11-1  | 487.59    | 459.02    | 521.82    | 489.48     | 6.42    | ppb   |
| Boron      | 10-1  | 491.49    | 465.33    | 528.20    | 495.01     | 6.38    | ppb   |
| Cadmium    | 106-1 | 469.79    | 445.31    | 512.49    | 475.86     | 7.14    | ppb   |
| Cadmium    | 108-1 | 472.75    | 454.25    | 505.48    | 477.50     | 5.43    | ppb   |
| Cadmium    | 111-1 | 467.07    | 441.92    | 503.36    | 470.78     | 6.56    | ppb   |
| Calcium    | 43-1  | 223675.07 | 211851.26 | 240009.43 | 225178.59  | 6.28    | ppb   |
| Calcium    | 44-1  | 223416.15 | 213071.20 | 239355.75 | 225281.03  | 5.88    | ppb   |
| Chromium   | 52-2  | 498.35    | 495.47    | 503.66    | 499.16     | 0.83    | ppb   |
| Cobalt     | 59-2  | 477.49    | 474.02    | 480.18    | 477.23     | 0.65    | ppb   |
| Copper     | 63-2  | 947.87    | 942.04    | 949.77    | 946.56     | 0.43    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 98         |         | %     |
| Holmium    | 165-2 |           |           |           | 101        |         | %     |
| Indium     | 115-1 |           |           |           | 94         |         | %     |
| Indium     | 115-2 |           |           |           | 97         |         | %     |
| Iron       | 56-2  | 120992.32 | 119860.14 | 121955.64 | 120936.03  | 0.87    | ppb   |
| Iron       | 57-2  | 123833.13 | 121829.07 | 124433.31 | 123365.17  | 1.11    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 207-1 | 482.89    | 466.91    | 521.37    | 490.39     | 5.71    | ppb   |
| Lead       | 208-1 | 484.18    | 460.38    | 515.99    | 486.85     | 5.73    | ppb   |
| Lead       | 206-1 | 484.86    | 461.68    | 515.26    | 487.27     | 5.51    | ppb   |
| Lithium    | 6-1   |           |           |           | 87         |         | %     |
| Magnesium  | 24-2  | 234169.78 | 231785.00 | 234923.40 | 233626.06  | 0.70    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV51               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV51               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 16:04:54 | DataFile Name :   | 027CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 963.39    | 961.04    | 968.35    | 964.26     | 0.39    | ppb   |
| Molybdenum | 94-1  | 2372.86   | 2215.57   | 2530.60   | 2373.01    | 6.64    | ppb   |
| Molybdenum | 95-1  | 2376.75   | 2206.31   | 2540.38   | 2374.48    | 7.04    | ppb   |
| Molybdenum | 96-1  | 2364.73   | 2213.47   | 2537.12   | 2371.77    | 6.83    | ppb   |
| Molybdenum | 97-1  | 2378.90   | 2194.99   | 2511.08   | 2361.66    | 6.72    | ppb   |
| Molybdenum | 98-1  | 2385.21   | 2192.37   | 2516.80   | 2364.79    | 6.90    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 484.29    | 482.17    | 486.86    | 484.44     | 0.48    | ppb   |
| Phosphorus | 31-2  | 9623.28   | 9204.62   | 8723.67   | 9183.85    | 4.90    | ppb   |
| Potassium  | 39-2  | 120614.58 | 121687.37 | 121676.84 | 121326.26  | 0.51    | ppb   |
| Rhodium    | 103-1 |           |           |           | 91         |         | %     |
| Rhodium    | 103-2 |           |           |           | 95         |         | %     |
| Scandium   | 45-1  |           |           |           | 95         |         | %     |
| Scandium   | 45-2  |           |           |           | 104        |         | %     |
| Selenium   | 77-2  | 544.95    | 509.65    | 418.51    | 491.04     | 13.29   | ppb   |
| Selenium   | 78-2  | 445.79    | 464.70    | 470.82    | 460.44     | 2.83    | ppb   |
| Selenium   | 82-1  | 470.29    | 443.13    | 501.45    | 471.62     | 6.19    | ppb   |
| Silicon    | 28-1  | 516.27    | 493.17    | 565.37    | 524.94     | 7.02    | ppb   |
| Silver     | 109-1 | 469.30    | 444.99    | 503.91    | 472.73     | 6.26    | ppb   |
| Silver     | 107-1 | 465.49    | 444.06    | 502.28    | 470.61     | 6.26    | ppb   |
| Sodium     | 23-2  | 241377.60 | 239410.51 | 242110.71 | 240966.27  | 0.58    | ppb   |
| Strontium  | 86-1  | 485.04    | 462.38    | 508.79    | 485.40     | 4.78    | ppb   |
| Strontium  | 88-1  | 472.92    | 448.08    | 512.46    | 477.82     | 6.80    | ppb   |
| Sulfur     | 34-1  | 9172.79   | 6798.03   | 10692.87  | 8887.90    | 22.09   | ppb   |
| Terbium    | 159-1 |           |           |           | 98         |         | %     |
| Terbium    | 159-2 |           |           |           | 101        |         | %     |
| Thallium   | 203-1 | 481.26    | 459.39    | 512.89    | 484.51     | 5.55    | ppb   |
| Thallium   | 205-1 | 473.83    | 457.48    | 508.56    | 479.96     | 5.44    | ppb   |
| Tin        | 118-1 | 474.55    | 453.55    | 516.25    | 481.45     | 6.63    | ppb   |
| Titanium   | 47-1  | 2385.17   | 2233.61   | 2549.82   | 2389.53    | 6.62    | ppb   |
| Uranium    | 238-1 | 472.13    | 452.14    | 509.69    | 477.99     | 6.11    | ppb   |
| Vanadium   | 51-2  | 484.88    | 480.69    | 486.18    | 483.92     | 0.59    | ppb   |
| Yttrium    | 89-1  |           |           |           | 96         |         | %     |
| Yttrium    | 89-2  |           |           |           | 101        |         | %     |
| Zinc       | 66-2  | 959.20    | 940.98    | 970.37    | 956.85     | 1.55    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV51               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV51               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 16:04:54 | DataFile Name :   | 027CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 473.83  | 450.39  | 514.90  | 479.71     | 6.81    | ppb   |
| Zirconium | 91-1 | 478.02  | 451.09  | 515.33  | 481.48     | 6.70    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB51               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB51               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 16:08:02 | DataFile Name :   | 028CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1.09    | -0.68   | 1.65    | 0.69       | 176.58  | ppb   |
| Antimony   | 121-1 | 0.24    | 0.26    | 0.28    | 0.26       | 6.82    | ppb   |
| Arsenic    | 75-1  | 0.15    | 0.13    | 0.12    | 0.13       | 10.10   | ppb   |
| Barium     | 135-1 | 0.08    | 0.04    | 0.06    | 0.06       | 34.39   | ppb   |
| Barium     | 137-1 | 0.03    | 0.03    | 0.02    | 0.03       | 14.67   | ppb   |
| Beryllium  | 9-1   | 0.10    | 0.10    | 0.06    | 0.09       | 26.56   | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 102        |         | %     |
| Boron      | 11-1  | 10.57   | 10.52   | 9.35    | 10.15      | 6.82    | ppb   |
| Boron      | 10-1  | 11.17   | 9.77    | 10.25   | 10.40      | 6.85    | ppb   |
| Cadmium    | 106-1 | 0.81    | -0.32   | 0.49    | 0.32       | 179.79  | ppb   |
| Cadmium    | 108-1 | -0.03   | 0.07    | 0.03    | 0.02       | 249.20  | ppb   |
| Cadmium    | 111-1 | 0.07    | -0.01   | 0.04    | 0.03       | 131.63  | ppb   |
| Calcium    | 43-1  | 0.73    | 6.29    | -0.90   | 2.04       | 185.09  | ppb   |
| Calcium    | 44-1  | 16.19   | 13.21   | 11.47   | 13.63      | 17.53   | ppb   |
| Chromium   | 52-2  | -0.06   | 0.03    | -0.02   | -0.02      |         | ppb   |
| Cobalt     | 59-2  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Copper     | 63-2  | 0.14    | 0.08    | 0.15    | 0.13       | 29.65   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 99         |         | %     |
| Holmium    | 165-2 |         |         |         | 103        |         | %     |
| Indium     | 115-1 |         |         |         | 100        |         | %     |
| Indium     | 115-2 |         |         |         | 104        |         | %     |
| Iron       | 56-2  | 2.52    | 2.29    | 1.86    | 2.23       | 15.08   | ppb   |
| Iron       | 57-2  | 1.87    | 0.69    | 1.97    | 1.51       | 46.93   | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 207-1 | 0.32    | 0.31    | 0.27    | 0.30       | 8.54    | ppb   |
| Lead       | 208-1 | 0.31    | 0.29    | 0.29    | 0.30       | 3.90    | ppb   |
| Lead       | 206-1 | 0.29    | 0.28    | 0.28    | 0.29       | 1.95    | ppb   |
| Lithium    | 6-1   |         |         |         | 93         |         | %     |
| Magnesium  | 24-2  | 2.94    | 4.37    | 5.67    | 4.33       | 31.50   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB51               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB51               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 16:08:02 | DataFile Name :   | 028CCBE.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | -0.02    | -0.04    | 0.01     | -0.02      |         | ppb   |
| Molybdenum | 94-1  | 0.26     | 0.24     | 0.20     | 0.23       | 13.31   | ppb   |
| Molybdenum | 95-1  | 0.28     | 0.25     | 0.24     | 0.25       | 7.81    | ppb   |
| Molybdenum | 96-1  | 0.26     | 0.23     | 0.24     | 0.24       | 6.18    | ppb   |
| Molybdenum | 97-1  | 0.25     | 0.31     | 0.22     | 0.26       | 17.96   | ppb   |
| Molybdenum | 98-1  | 0.25     | 0.28     | 0.25     | 0.26       | 5.38    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.04     | 0.03     | 0.01     | 0.03       | 61.23   | ppb   |
| Phosphorus | 31-2  | -3.78    | -3.52    | 18.81    | 3.84       | 337.99  | ppb   |
| Potassium  | 39-2  | 14.69    | 8.19     | 10.22    | 11.03      | 30.16   | ppb   |
| Rhodium    | 103-1 |          |          |          | 100        |         | %     |
| Rhodium    | 103-2 |          |          |          | 105        |         | %     |
| Scandium   | 45-1  |          |          |          | 96         |         | %     |
| Scandium   | 45-2  |          |          |          | 104        |         | %     |
| Selenium   | 77-2  | 0.00     | 2.90     | 5.87     | 2.92       | 100.38  | ppb   |
| Selenium   | 78-2  | -0.80    | -0.35    | -1.23    | -0.80      |         | ppb   |
| Selenium   | 82-1  | -0.13    | 0.17     | -0.09    | -0.01      |         | ppb   |
| Silicon    | 28-1  | 0.69     | -0.39    | -1.72    | -0.48      |         | ppb   |
| Silver     | 109-1 | 0.07     | 0.09     | 0.13     | 0.10       | 31.19   | ppb   |
| Silver     | 107-1 | 0.06     | 0.08     | 0.14     | 0.10       | 45.14   | ppb   |
| Sodium     | 23-2  | 50.68    | 52.52    | 49.54    | 50.91      | 2.95    | ppb   |
| Strontium  | 86-1  | 0.04     | 0.07     | 0.01     | 0.04       | 69.01   | ppb   |
| Strontium  | 88-1  | 0.01     | 0.02     | 0.01     | 0.01       | 20.14   | ppb   |
| Sulfur     | 34-1  | -2125.67 | -2244.48 | -2200.86 | -2190.34   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 99         |         | %     |
| Terbium    | 159-2 |          |          |          | 105        |         | %     |
| Thallium   | 203-1 | 0.06     | 0.04     | 0.05     | 0.05       | 22.10   | ppb   |
| Thallium   | 205-1 | 0.06     | 0.06     | 0.05     | 0.06       | 8.65    | ppb   |
| Tin        | 118-1 | 0.08     | 0.06     | 0.08     | 0.08       | 14.81   | ppb   |
| Titanium   | 47-1  | 0.06     | 0.07     | 0.04     | 0.06       | 25.13   | ppb   |
| Uranium    | 238-1 | 0.01     | 0.01     | 0.01     | 0.01       | 20.96   | ppb   |
| Vanadium   | 51-2  | 0.01     | -0.01    | 0.01     | 0.01       | 174.38  | ppb   |
| Yttrium    | 89-1  |          |          |          | 99         |         | %     |
| Yttrium    | 89-2  |          |          |          | 105        |         | %     |
| Zinc       | 66-2  | 0.24     | 0.37     | 0.01     | 0.21       | 87.22   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB51               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB51               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 16:08:02 | DataFile Name :   | 028CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zirconium | 90-1 | 0.02    | 0.01    | 0.01    | 0.01       | 50.21   | ppb   |
| Zirconium | 91-1 | 0.01    | 0.01    | 0.02    | 0.01       | 50.03   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | TUNE                | Instrumnet Name : | P8        |
| Client Sample ID :      | TUNE                | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 12:33:36 | DataFile Name :   | 001SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 28      | 38      | 50      | 38      | 29.40  | cps   |
| Antimony   | 121-1 | 475     | 458     | 433     | 456     | 4.60   | cps   |
| Arsenic    | 75-1  | 6460    | 5893    | 5626    | 5993    | 7.10   | cps   |
| Barium     | 135-1 | 7778    | 6986    | 6135    | 6966    | 11.79  | cps   |
| Barium     | 137-1 | 13107   | 12356   | 10780   | 12081   | 9.83   | cps   |
| Beryllium  | 9-1   | 8153    | 7780    | 6768    | 7567    | 9.46   | cps   |
| Bismuth    | 209-1 | 5496181 | 5499538 | 5479789 | 5491836 | 0.19   | cps   |
| Bismuth    | 209-2 | 2026949 | 2073903 | 2071608 | 2057487 | 1.29   | cps   |
| Boron      | 11-1  | 925     | 900     | 975     | 933     | 4.09   | cps   |
| Boron      | 10-1  | 108     | 225     | 192     | 175     | 34.34  | cps   |
| Cadmium    | 106-1 | 3451    | 3484    | 3417    | 3451    | 0.97   | cps   |
| Cadmium    | 108-1 | 329     | 254     | 208     | 264     | 23.12  | cps   |
| Cadmium    | 111-1 | 6461    | 6232    | 5972    | 6222    | 3.93   | cps   |
| Calcium    | 43-1  | 825     | 992     | 942     | 920     | 9.30   | cps   |
| Calcium    | 44-1  | 36532   | 37552   | 37718   | 37267   | 1.72   | cps   |
| Chromium   | 52-2  | 2010    | 2014    | 1833    | 1952    | 5.28   | cps   |
| Cobalt     | 59-2  | 6378    | 6001    | 5161    | 5847    | 10.66  | cps   |
| Copper     | 63-2  | 4274    | 3837    | 3681    | 3931    | 7.82   | cps   |
| Dysprosium | 156-1 | 400     | 408     | 342     | 383     | 9.48   | cps   |
| Dysprosium | 156-2 | 3       | 10      | 3       | 6       | 69.34  | cps   |
| Erbium     | 164-1 | 67      | 33      | 58      | 53      | 32.86  | cps   |
| Erbium     | 164-2 | 7       | 0       | 3       | 3       | 100.05 | cps   |
| Gadolinium | 160-1 | 108     | 133     | 150     | 131     | 16.06  | cps   |
| Gadolinium | 160-2 | 7       | 17      | 3       | 9       | 78.08  | cps   |
| Holmium    | 165-1 | 8686854 | 8721483 | 8592187 | 8666841 | 0.77   | cps   |
| Holmium    | 165-2 | 2425609 | 2495144 | 2512448 | 2477734 | 1.86   | cps   |
| Indium     | 115-1 | 7485765 | 7547095 | 7532381 | 7521747 | 0.43   | cps   |
| Indium     | 115-2 | 397059  | 402489  | 404182  | 401243  | 0.93   | cps   |
| Iron       | 56-2  | 2734    | 2706    | 2706    | 2715    | 0.59   | cps   |
| Iron       | 57-2  | 56      | 72      | 44      | 57      | 24.35  | cps   |
| Krypton    | 83-1  | 1217    | 1133    | 1207    | 1186    | 3.84   | cps   |
| Lead       | 207-1 | 19554   | 18648   | 16912   | 18371   | 7.31   | cps   |
| Lead       | 208-1 | 89989   | 84892   | 75740   | 83541   | 8.64   | cps   |
| Lead       | 206-1 | 22025   | 20712   | 18492   | 20410   | 8.75   | cps   |
| Lithium    | 6-1   | 1948142 | 1913800 | 1916053 | 1925998 | 1.00   | cps   |
| Magnesium  | 24-2  | 400     | 400     | 583     | 461     | 22.95  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | TUNE                | Instrumnet Name : | P8        |
| Client Sample ID :      | TUNE                | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 12:33:36 | DataFile Name :   | 001SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 433     | 380     | 387     | 400     | 7.27   | cps   |
| Molybdenum | 94-1  | 5826    | 5310    | 5093    | 5410    | 6.97   | cps   |
| Molybdenum | 95-1  | 9229    | 8611    | 8161    | 8667    | 6.18   | cps   |
| Molybdenum | 96-1  | 9862    | 9537    | 8278    | 9226    | 9.07   | cps   |
| Molybdenum | 97-1  | 6168    | 5576    | 4726    | 5490    | 13.21  | cps   |
| Molybdenum | 98-1  | 14909   | 14091   | 12623   | 13874   | 8.35   | cps   |
| Neodymium  | 150-1 | 7       | 13      | 7       | 9       | 43.25  | cps   |
| Neodymium  | 150-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 2167    | 1837    | 1733    | 1912    | 11.84  | cps   |
| Phosphorus | 31-2  | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Potassium  | 39-2  | 3726    | 4109    | 4042    | 3959    | 5.17   | cps   |
| Rhodium    | 103-1 | 7479211 | 7374505 | 7407860 | 7420525 | 0.72   | cps   |
| Rhodium    | 103-2 | 2235641 | 2271931 | 2250045 | 2252539 | 0.81   | cps   |
| Scandium   | 45-1  | 5352773 | 5390824 | 5326088 | 5356562 | 0.61   | cps   |
| Scandium   | 45-2  | 40779   | 42277   | 42979   | 42012   | 2.67   | cps   |
| Selenium   | 77-2  | 0       | 7       | 3       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 6       | 11      | 11      | 9       | 34.60  | cps   |
| Selenium   | 82-1  | 388     | 391     | 259     | 346     | 21.86  | cps   |
| Silicon    | 28-1  | 389600  | 387603  | 390901  | 389368  | 0.43   | cps   |
| Silver     | 109-1 | 158     | 450     | 200     | 269     | 58.56  | cps   |
| Silver     | 107-1 | 125     | 250     | 242     | 206     | 34.00  | cps   |
| Sodium     | 23-2  | 4809    | 4609    | 4668    | 4695    | 2.19   | cps   |
| Strontium  | 86-1  | 2284    | 2017    | 1825    | 2042    | 11.28  | cps   |
| Strontium  | 88-1  | 583     | 567     | 617     | 589     | 4.32   | cps   |
| Sulfur     | 34-1  | 843557  | 847878  | 843174  | 844870  | 0.31   | cps   |
| Terbium    | 159-1 | 9075897 | 9009903 | 9050455 | 9045419 | 0.37   | cps   |
| Terbium    | 159-2 | 2391565 | 2486864 | 2461766 | 2446732 | 2.02   | cps   |
| Thallium   | 203-1 | 13675   | 13041   | 11939   | 12885   | 6.81   | cps   |
| Thallium   | 205-1 | 33253   | 31005   | 28032   | 30764   | 8.51   | cps   |
| Tin        | 118-1 | 558     | 500     | 567     | 542     | 6.71   | cps   |
| Titanium   | 47-1  | 208     | 183     | 283     | 225     | 23.13  | cps   |
| Uranium    | 238-1 | 82768   | 75899   | 69000   | 75889   | 9.07   | cps   |
| Vanadium   | 51-2  | 1197    | 960     | 817     | 991     | 19.36  | cps   |
| Yttrium    | 89-1  | 8339543 | 8314022 | 8344223 | 8332596 | 0.20   | cps   |
| Yttrium    | 89-2  | 289080  | 294537  | 294869  | 292829  | 1.11   | cps   |
| Zinc       | 66-2  | 427     | 417     | 430     | 424     | 1.63   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | TUNE                | Instrumnet Name : | P8        |
| Client Sample ID :      | TUNE                | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 12:33:36 | DataFile Name :   | 001SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 500  | 717  | 600  | 606     | 17.91  | cps   |
| Zirconium | 91-1 | 108  | 167  | 83   | 119     | 35.80  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:18:36 | DataFile Name :   | 004CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 28      | 33      | 20      | 27      | 23.58  | cps   |
| Antimony   | 121-1 | 125     | 58      | 150     | 111     | 42.65  | cps   |
| Arsenic    | 75-1  | 192     | 325     | 200     | 239     | 31.27  | cps   |
| Barium     | 135-1 | 42      | 50      | 42      | 44      | 10.82  | cps   |
| Barium     | 137-1 | 117     | 100     | 100     | 106     | 9.11   | cps   |
| Beryllium  | 9-1   | 122     | 117     | 189     | 143     | 28.19  | cps   |
| Bismuth    | 209-1 | 6198007 | 6262996 | 6131311 | 6197438 | 1.06   | cps   |
| Bismuth    | 209-2 | 2115626 | 2238269 | 2029737 | 2127877 | 4.93   | cps   |
| Boron      | 11-1  | 1167    | 1175    | 1125    | 1156    | 2.32   | cps   |
| Boron      | 10-1  | 192     | 233     | 183     | 203     | 13.21  | cps   |
| Cadmium    | 106-1 | 3417    | 3476    | 3142    | 3345    | 5.32   | cps   |
| Cadmium    | 108-1 | 13      | 8       | 25      | 15      | 56.79  | cps   |
| Cadmium    | 111-1 | 2392    | 2427    | 2190    | 2336    | 5.47   | cps   |
| Calcium    | 43-1  | 867     | 992     | 908     | 922     | 6.90   | cps   |
| Calcium    | 44-1  | 34402   | 35204   | 33900   | 34502   | 1.91   | cps   |
| Chromium   | 52-2  | 507     | 513     | 470     | 497     | 4.70   | cps   |
| Cobalt     | 59-2  | 67      | 47      | 70      | 61      | 20.65  | cps   |
| Copper     | 63-2  | 1147    | 1307    | 1200    | 1218    | 6.69   | cps   |
| Dysprosium | 156-1 | 42      | 8       | 8       | 19      | 99.00  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 7       | 4       | 43.40  | cps   |
| Erbium     | 164-1 | 33      | 42      | 25      | 33      | 25.01  | cps   |
| Erbium     | 164-2 | 13      | 10      | 13      | 12      | 15.73  | cps   |
| Gadolinium | 160-1 | 100     | 200     | 117     | 139     | 38.58  | cps   |
| Gadolinium | 160-2 | 20      | 20      | 13      | 18      | 21.66  | cps   |
| Holmium    | 165-1 | 9844677 | 9967098 | 9547723 | 9786499 | 2.20   | cps   |
| Holmium    | 165-2 | 2563004 | 2720790 | 2405241 | 2563012 | 6.16   | cps   |
| Indium     | 115-1 | 8532595 | 8656134 | 8489400 | 8559376 | 1.01   | cps   |
| Indium     | 115-2 | 408405  | 430308  | 384098  | 407604  | 5.67   | cps   |
| Iron       | 56-2  | 1339    | 1039    | 1239    | 1206    | 12.67  | cps   |
| Iron       | 57-2  | 39      | 56      | 56      | 50      | 19.25  | cps   |
| Krypton    | 83-1  | 1187    | 1220    | 1170    | 1192    | 2.14   | cps   |
| Lead       | 207-1 | 417     | 306     | 406     | 376     | 16.28  | cps   |
| Lead       | 208-1 | 1678    | 1595    | 1656    | 1643    | 2.63   | cps   |
| Lead       | 206-1 | 372     | 406     | 400     | 393     | 4.55   | cps   |
| Lithium    | 6-1   | 2235762 | 2252797 | 2217591 | 2235383 | 0.79   | cps   |
| Magnesium  | 24-2  | 133     | 217     | 117     | 156     | 34.44  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:18:36 | DataFile Name :   | 004CALB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 23       | 27       | 37       | 29       | 24.03  | cps   |
| Molybdenum | 94-1  | 175      | 217      | 208      | 200      | 11.02  | cps   |
| Molybdenum | 95-1  | 92       | 25       | 42       | 53       | 65.74  | cps   |
| Molybdenum | 96-1  | 100      | 142      | 67       | 103      | 36.56  | cps   |
| Molybdenum | 97-1  | 67       | 92       | 75       | 78       | 16.37  | cps   |
| Molybdenum | 98-1  | 83       | 125      | 167      | 125      | 33.33  | cps   |
| Neodymium  | 150-1 | 20       | 0        | 0        | 7        | 173.21 | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 117      | 70       | 67       | 84       | 33.10  | cps   |
| Phosphorus | 31-2  | 17       | 25       | 0        | 14       | 91.65  | cps   |
| Potassium  | 39-2  | 4201     | 3809     | 4051     | 4020     | 4.92   | cps   |
| Rhodium    | 103-1 | 8484523  | 8485846  | 8301703  | 8424024  | 1.26   | cps   |
| Rhodium    | 103-2 | 2319543  | 2480690  | 2212865  | 2337699  | 5.77   | cps   |
| Scandium   | 45-1  | 6126411  | 6221253  | 6058906  | 6135523  | 1.33   | cps   |
| Scandium   | 45-2  | 43183    | 46310    | 41996    | 43830    | 5.08   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 9        | 2        | 4        | 5        | 78.12  | cps   |
| Selenium   | 82-1  | -66      | -52      | -45      | -54      | -19.08 | cps   |
| Silicon    | 28-1  | 379929   | 380658   | 378399   | 379662   | 0.30   | cps   |
| Silver     | 109-1 | 75       | 50       | 58       | 61       | 20.83  | cps   |
| Silver     | 107-1 | 167      | 142      | 183      | 164      | 12.80  | cps   |
| Sodium     | 23-2  | 4226     | 4034     | 4276     | 4179     | 3.05   | cps   |
| Strontium  | 86-1  | 1742     | 1909     | 1867     | 1839     | 4.72   | cps   |
| Strontium  | 88-1  | 608      | 600      | 800      | 669      | 16.90  | cps   |
| Sulfur     | 34-1  | 916031   | 912951   | 917876   | 915619   | 0.27   | cps   |
| Terbium    | 159-1 | 10317062 | 10255571 | 10150702 | 10241111 | 0.82   | cps   |
| Terbium    | 159-2 | 2530320  | 2648290  | 2369729  | 2516113  | 5.56   | cps   |
| Thallium   | 203-1 | 75       | 67       | 100      | 81       | 21.53  | cps   |
| Thallium   | 205-1 | 233      | 142      | 142      | 172      | 30.73  | cps   |
| Tin        | 118-1 | 533      | 592      | 558      | 561      | 5.22   | cps   |
| Titanium   | 47-1  | 142      | 158      | 158      | 153      | 6.30   | cps   |
| Uranium    | 238-1 | 50       | 33       | 58       | 47       | 26.97  | cps   |
| Vanadium   | 51-2  | 13       | 0        | 10       | 8        | 89.21  | cps   |
| Yttrium    | 89-1  | 9511635  | 9570240  | 9395233  | 9492370  | 0.94   | cps   |
| Yttrium    | 89-2  | 299614   | 317467   | 283089   | 300056   | 5.73   | cps   |
| Zinc       | 66-2  | 217      | 250      | 207      | 224      | 10.11  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:18:36 | DataFile Name :   | 004CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 708  | 542  | 633  | 628     | 13.30  | cps   |
| Zirconium | 91-1 | 125  | 125  | 100  | 117     | 12.37  | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:26:14 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 243     | 240     | 220     | 234     | 5.27   | cps   |
| Antimony   | 121-1 | 23755   | 24148   | 24023   | 23975   | 0.84   | cps   |
| Arsenic    | 75-1  | 4201    | 3951    | 3934    | 4029    | 3.71   | cps   |
| Barium     | 135-1 | 25192   | 25350   | 24983   | 25175   | 0.73   | cps   |
| Barium     | 137-1 | 43381   | 42126   | 42561   | 42689   | 1.49   | cps   |
| Beryllium  | 9-1   | 2823    | 2823    | 3023    | 2889    | 4.00   | cps   |
| Bismuth    | 209-1 | 6129091 | 6157519 | 6173646 | 6153419 | 0.37   | cps   |
| Bismuth    | 209-2 | 2241603 | 2270447 | 2262467 | 2258172 | 0.66   | cps   |
| Boron      | 11-1  | 42071   | 40241   | 42414   | 41575   | 2.81   | cps   |
| Boron      | 10-1  | 8194    | 8686    | 8820    | 8567    | 3.84   | cps   |
| Cadmium    | 106-1 | 3834    | 3959    | 3542    | 3778    | 5.66   | cps   |
| Cadmium    | 108-1 | 250     | 208     | 229     | 229     | 9.09   | cps   |
| Cadmium    | 111-1 | 5355    | 5713    | 5240    | 5436    | 4.54   | cps   |
| Calcium    | 43-1  | 17453   | 17545   | 18338   | 17779   | 2.74   | cps   |
| Calcium    | 44-1  | 310913  | 304048  | 309938  | 308300  | 1.20   | cps   |
| Chromium   | 52-2  | 3447    | 3414    | 3247    | 3369    | 3.18   | cps   |
| Cobalt     | 59-2  | 2974    | 3010    | 2954    | 2979    | 0.96   | cps   |
| Copper     | 63-2  | 6592    | 6058    | 5958    | 6203    | 5.49   | cps   |
| Dysprosium | 156-1 | 0       | 33      | 17      | 17      | 99.99  | cps   |
| Dysprosium | 156-2 | 0       | 10      | 0       | 3       | 173.21 | cps   |
| Erbium     | 164-1 | 67      | 50      | 50      | 56      | 17.32  | cps   |
| Erbium     | 164-2 | 17      | 17      | 10      | 14      | 26.66  | cps   |
| Gadolinium | 160-1 | 142     | 142     | 67      | 117     | 37.11  | cps   |
| Gadolinium | 160-2 | 13      | 17      | 17      | 16      | 12.40  | cps   |
| Holmium    | 165-1 | 9656945 | 9605004 | 9632613 | 9631521 | 0.27   | cps   |
| Holmium    | 165-2 | 2738882 | 2775502 | 2708860 | 2741081 | 1.22   | cps   |
| Indium     | 115-1 | 8305296 | 8395214 | 8317519 | 8339343 | 0.58   | cps   |
| Indium     | 115-2 | 438521  | 442799  | 438853  | 440057  | 0.54   | cps   |
| Iron       | 56-2  | 49995   | 49460   | 50380   | 49945   | 0.93   | cps   |
| Iron       | 57-2  | 1322    | 1200    | 1272    | 1265    | 4.86   | cps   |
| Krypton    | 83-1  | 1207    | 1157    | 1393    | 1252    | 9.96   | cps   |
| Lead       | 207-1 | 6869    | 6941    | 6885    | 6898    | 0.55   | cps   |
| Lead       | 208-1 | 31155   | 31071   | 31311   | 31179   | 0.39   | cps   |
| Lead       | 206-1 | 7558    | 7597    | 7647    | 7601    | 0.59   | cps   |
| Lithium    | 6-1   | 2293859 | 2258474 | 2242253 | 2264862 | 1.17   | cps   |
| Magnesium  | 24-2  | 26125   | 25457   | 26384   | 25988   | 1.84   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:26:14 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 420      | 437      | 467      | 441      | 5.36   | cps   |
| Molybdenum | 94-1  | 21852    | 23020    | 23980    | 22951    | 4.64   | cps   |
| Molybdenum | 95-1  | 26920    | 27963    | 27864    | 27582    | 2.09   | cps   |
| Molybdenum | 96-1  | 31379    | 30970    | 31755    | 31368    | 1.25   | cps   |
| Molybdenum | 97-1  | 17337    | 17287    | 17312    | 17312    | 0.14   | cps   |
| Molybdenum | 98-1  | 45820    | 43788    | 45845    | 45151    | 2.61   | cps   |
| Neodymium  | 150-1 | 7        | 20       | 20       | 16       | 49.47  | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 1117     | 980      | 987      | 1028     | 7.50   | cps   |
| Phosphorus | 31-2  | 8        | 0        | 17       | 8        | 100.02 | cps   |
| Potassium  | 39-2  | 16068    | 17637    | 17236    | 16980    | 4.80   | cps   |
| Rhodium    | 103-1 | 8340908  | 8292171  | 8315737  | 8316272  | 0.29   | cps   |
| Rhodium    | 103-2 | 2504679  | 2504521  | 2502967  | 2504056  | 0.04   | cps   |
| Scandium   | 45-1  | 6029723  | 5926827  | 5994827  | 5983792  | 0.87   | cps   |
| Scandium   | 45-2  | 46995    | 48172    | 46995    | 47388    | 1.43   | cps   |
| Selenium   | 77-2  | 7        | 0        | 3        | 3        | 100.05 | cps   |
| Selenium   | 78-2  | 24       | 11       | 30       | 22       | 43.99  | cps   |
| Selenium   | 82-1  | 1001     | 1094     | 759      | 951      | 18.21  | cps   |
| Silicon    | 28-1  | 502506   | 497976   | 506099   | 502194   | 0.81   | cps   |
| Silver     | 109-1 | 12873    | 13391    | 13858    | 13374    | 3.68   | cps   |
| Silver     | 107-1 | 14784    | 14350    | 14300    | 14478    | 1.84   | cps   |
| Sodium     | 23-2  | 60630    | 60764    | 62036    | 61143    | 1.27   | cps   |
| Strontium  | 86-1  | 5727     | 5393     | 5351     | 5490     | 3.75   | cps   |
| Strontium  | 88-1  | 31529    | 31287    | 30276    | 31031    | 2.14   | cps   |
| Sulfur     | 34-1  | 894829   | 899510   | 910413   | 901584   | 0.89   | cps   |
| Terbium    | 159-1 | 10092121 | 10076874 | 10056297 | 10075097 | 0.18   | cps   |
| Terbium    | 159-2 | 2688482  | 2736106  | 2681532  | 2702040  | 1.10   | cps   |
| Thallium   | 203-1 | 8920     | 9062     | 8995     | 8993     | 0.79   | cps   |
| Thallium   | 205-1 | 22028    | 20884    | 21795    | 21569    | 2.80   | cps   |
| Tin        | 118-1 | 41774    | 42878    | 42711    | 42455    | 1.40   | cps   |
| Titanium   | 47-1  | 8595     | 8336     | 8670     | 8533     | 2.05   | cps   |
| Uranium    | 238-1 | 28149    | 26437    | 28133    | 27573    | 3.57   | cps   |
| Vanadium   | 51-2  | 4711     | 4574     | 4751     | 4679     | 1.98   | cps   |
| Yttrium    | 89-1  | 9212576  | 9247866  | 9234163  | 9231535  | 0.19   | cps   |
| Yttrium    | 89-2  | 323216   | 328255   | 321703   | 324391   | 1.06   | cps   |
| Zinc       | 66-2  | 803      | 657      | 813      | 758      | 11.57  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:26:14 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zirconium | 90-1 | 19573 | 19406 | 19723 | 19568   | 0.81   | cps   |
| Zirconium | 91-1 | 4051  | 4393  | 4301  | 4248    | 4.16   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:29:58 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 10652   | 11240   | 10574   | 10822   | 3.36   | cps   |
| Antimony   | 121-1 | 578886  | 580339  | 584505  | 581243  | 0.50   | cps   |
| Arsenic    | 75-1  | 169295  | 171159  | 170107  | 170187  | 0.55   | cps   |
| Barium     | 135-1 | 605675  | 612529  | 609175  | 609126  | 0.56   | cps   |
| Barium     | 137-1 | 1057443 | 1058793 | 1057513 | 1057916 | 0.07   | cps   |
| Beryllium  | 9-1   | 130284  | 132150  | 134814  | 132416  | 1.72   | cps   |
| Bismuth    | 209-1 | 6111769 | 6116617 | 6023864 | 6084084 | 0.86   | cps   |
| Bismuth    | 209-2 | 2130154 | 2130767 | 2152700 | 2137873 | 0.60   | cps   |
| Boron      | 11-1  | 78850   | 81272   | 82579   | 80900   | 2.34   | cps   |
| Boron      | 10-1  | 15985   | 16644   | 16084   | 16238   | 2.19   | cps   |
| Cadmium    | 106-1 | 19490   | 19165   | 18689   | 19114   | 2.11   | cps   |
| Cadmium    | 108-1 | 10796   | 10842   | 11188   | 10942   | 1.96   | cps   |
| Cadmium    | 111-1 | 146534  | 148194  | 148453  | 147727  | 0.70   | cps   |
| Calcium    | 43-1  | 165886  | 164133  | 169732  | 166584  | 1.72   | cps   |
| Calcium    | 44-1  | 2739562 | 2733570 | 2734069 | 2735734 | 0.12   | cps   |
| Chromium   | 52-2  | 65124   | 65757   | 65476   | 65452   | 0.48   | cps   |
| Cobalt     | 59-2  | 136478  | 139314  | 137746  | 137846  | 1.03   | cps   |
| Copper     | 63-2  | 241723  | 242890  | 245662  | 243425  | 0.83   | cps   |
| Dysprosium | 156-1 | 33      | 33      | 33      | 33      | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 33      | 58      | 8       | 33      | 75.02  | cps   |
| Erbium     | 164-2 | 7       | 7       | 10      | 8       | 24.71  | cps   |
| Gadolinium | 160-1 | 142     | 233     | 117     | 164     | 37.48  | cps   |
| Gadolinium | 160-2 | 13      | 7       | 13      | 11      | 34.61  | cps   |
| Holmium    | 165-1 | 9672486 | 9676545 | 9472547 | 9607192 | 1.21   | cps   |
| Holmium    | 165-2 | 2593277 | 2567533 | 2601385 | 2587398 | 0.68   | cps   |
| Indium     | 115-1 | 8253767 | 8331591 | 8145519 | 8243626 | 1.13   | cps   |
| Indium     | 115-2 | 411162  | 410220  | 409079  | 410154  | 0.25   | cps   |
| Iron       | 56-2  | 2363443 | 2372741 | 2336926 | 2357703 | 0.79   | cps   |
| Iron       | 57-2  | 57804   | 57825   | 57329   | 57653   | 0.49   | cps   |
| Krypton    | 83-1  | 1117    | 1190    | 1233    | 1180    | 5.00   | cps   |
| Lead       | 207-1 | 308144  | 306535  | 310845  | 308508  | 0.71   | cps   |
| Lead       | 208-1 | 1391564 | 1390808 | 1407747 | 1396706 | 0.69   | cps   |
| Lead       | 206-1 | 341237  | 343483  | 347095  | 343938  | 0.86   | cps   |
| Lithium    | 6-1   | 2202489 | 2211020 | 2213696 | 2209068 | 0.26   | cps   |
| Magnesium  | 24-2  | 247212  | 250190  | 246579  | 247993  | 0.78   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:29:58 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|----------|----------|---------|---------|--------|-------|
| Manganese  | 55-2  | 38282    | 38159    | 37721   | 38054   | 0.78   | cps   |
| Molybdenum | 94-1  | 1096546  | 1093881  | 1099588 | 1096671 | 0.26   | cps   |
| Molybdenum | 95-1  | 1350885  | 1347691  | 1338125 | 1345567 | 0.49   | cps   |
| Molybdenum | 96-1  | 1501416  | 1504920  | 1512041 | 1506126 | 0.36   | cps   |
| Molybdenum | 97-1  | 833314   | 829782   | 845678  | 836258  | 1.00   | cps   |
| Molybdenum | 98-1  | 2168434  | 2152872  | 2230870 | 2184059 | 1.89   | cps   |
| Neodymium  | 150-1 | 40       | 33       | 27      | 33      | 20.00  | cps   |
| Neodymium  | 150-2 | 0        | 3        | 3       | 2       | 86.60  | cps   |
| Nickel     | 60-2  | 42254    | 41997    | 42411   | 42221   | 0.50   | cps   |
| Phosphorus | 31-2  | 675      | 667      | 708     | 683     | 3.23   | cps   |
| Potassium  | 39-2  | 67587    | 68585    | 65821   | 67331   | 2.08   | cps   |
| Rhodium    | 103-1 | 8147264  | 8252704  | 8127722 | 8175896 | 0.82   | cps   |
| Rhodium    | 103-2 | 2317526  | 2305339  | 2332244 | 2318370 | 0.58   | cps   |
| Scandium   | 45-1  | 5889634  | 5860700  | 5717305 | 5822546 | 1.58   | cps   |
| Scandium   | 45-2  | 44313    | 44146    | 44564   | 44341   | 0.47   | cps   |
| Selenium   | 77-2  | 57       | 70       | 80      | 69      | 16.99  | cps   |
| Selenium   | 78-2  | 178      | 209      | 220     | 202     | 10.91  | cps   |
| Selenium   | 82-1  | 9849     | 9551     | 9477    | 9626    | 2.05   | cps   |
| Silicon    | 28-1  | 828156   | 834957   | 835192  | 832768  | 0.48   | cps   |
| Silver     | 109-1 | 652787   | 660046   | 663438  | 658757  | 0.83   | cps   |
| Silver     | 107-1 | 685512   | 687545   | 694104  | 689054  | 0.65   | cps   |
| Sodium     | 23-2  | 556060   | 556320   | 550805  | 554395  | 0.56   | cps   |
| Strontium  | 86-1  | 166427   | 168613   | 170534  | 168524  | 1.22   | cps   |
| Strontium  | 88-1  | 1470028  | 1463696  | 1477357 | 1470360 | 0.46   | cps   |
| Sulfur     | 34-1  | 958934   | 946635   | 959746  | 955105  | 0.77   | cps   |
| Terbium    | 159-1 | 10082742 | 10054703 | 9819289 | 9985578 | 1.45   | cps   |
| Terbium    | 159-2 | 2562176  | 2564274  | 2574316 | 2566922 | 0.25   | cps   |
| Thallium   | 203-1 | 424177   | 427708   | 429229  | 427038  | 0.61   | cps   |
| Thallium   | 205-1 | 1014503  | 1019040  | 1026803 | 1020115 | 0.61   | cps   |
| Tin        | 118-1 | 406455   | 410737   | 415514  | 410902  | 1.10   | cps   |
| Titanium   | 47-1  | 398874   | 406018   | 399681  | 401525  | 0.97   | cps   |
| Uranium    | 238-1 | 1305122  | 1309517  | 1323414 | 1312684 | 0.73   | cps   |
| Vanadium   | 51-2  | 45852    | 45718    | 45363   | 45644   | 0.55   | cps   |
| Yttrium    | 89-1  | 9143229  | 9120860  | 8903673 | 9055921 | 1.46   | cps   |
| Yttrium    | 89-2  | 299866   | 302135   | 301676  | 301225  | 0.40   | cps   |
| Zinc       | 66-2  | 23347    | 23250    | 22752   | 23116   | 1.38   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:29:58 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 90-1 | 906484 | 903978 | 912039 | 907500  | 0.45   | cps   |
| Zirconium | 91-1 | 201633 | 200988 | 201057 | 201226  | 0.18   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:33:40 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 27125   | 26434   | 26218   | 26592   | 1.78   | cps   |
| Antimony   | 121-1 | 1459318 | 1477929 | 1490013 | 1475753 | 1.05   | cps   |
| Arsenic    | 75-1  | 423366  | 424875  | 432172  | 426805  | 1.10   | cps   |
| Barium     | 135-1 | 1533530 | 1543158 | 1559269 | 1545319 | 0.84   | cps   |
| Barium     | 137-1 | 2677818 | 2707445 | 2705223 | 2696829 | 0.61   | cps   |
| Beryllium  | 9-1   | 327912  | 328978  | 326534  | 327808  | 0.37   | cps   |
| Bismuth    | 209-1 | 6117995 | 6242174 | 6083938 | 6148036 | 1.35   | cps   |
| Bismuth    | 209-2 | 2080369 | 2125423 | 2197918 | 2134570 | 2.78   | cps   |
| Boron      | 11-1  | 195193  | 198405  | 201919  | 198505  | 1.69   | cps   |
| Boron      | 10-1  | 39288   | 40341   | 40558   | 40062   | 1.70   | cps   |
| Cadmium    | 106-1 | 43497   | 42218   | 42961   | 42892   | 1.50   | cps   |
| Cadmium    | 108-1 | 26898   | 27412   | 26873   | 27061   | 1.12   | cps   |
| Cadmium    | 111-1 | 365587  | 366727  | 369149  | 367155  | 0.50   | cps   |
| Calcium    | 43-1  | 412858  | 415767  | 419653  | 416093  | 0.82   | cps   |
| Calcium    | 44-1  | 6684818 | 6734777 | 6762038 | 6727211 | 0.58   | cps   |
| Chromium   | 52-2  | 164291  | 160102  | 158785  | 161059  | 1.78   | cps   |
| Cobalt     | 59-2  | 345911  | 345162  | 336818  | 342630  | 1.47   | cps   |
| Copper     | 63-2  | 609078  | 615079  | 593447  | 605868  | 1.84   | cps   |
| Dysprosium | 156-1 | 25      | 25      | 58      | 36      | 53.30  | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 33      | 42      | 42      | 39      | 12.38  | cps   |
| Erbium     | 164-2 | 10      | 0       | 7       | 6       | 91.64  | cps   |
| Gadolinium | 160-1 | 92      | 100     | 100     | 97      | 4.95   | cps   |
| Gadolinium | 160-2 | 7       | 27      | 13      | 16      | 65.47  | cps   |
| Holmium    | 165-1 | 9654828 | 9963913 | 9525107 | 9714616 | 2.32   | cps   |
| Holmium    | 165-2 | 2537094 | 2540694 | 2751257 | 2609682 | 4.70   | cps   |
| Indium     | 115-1 | 8192997 | 8457869 | 8103564 | 8251477 | 2.23   | cps   |
| Indium     | 115-2 | 399285  | 402134  | 434767  | 412062  | 4.78   | cps   |
| Iron       | 56-2  | 5757578 | 5684916 | 5610295 | 5684263 | 1.30   | cps   |
| Iron       | 57-2  | 146198  | 144518  | 142089  | 144268  | 1.43   | cps   |
| Krypton    | 83-1  | 1123    | 1073    | 1233    | 1143    | 7.16   | cps   |
| Lead       | 207-1 | 779427  | 795140  | 788866  | 787811  | 1.00   | cps   |
| Lead       | 208-1 | 3540623 | 3573143 | 3545341 | 3553036 | 0.49   | cps   |
| Lead       | 206-1 | 861193  | 874719  | 866045  | 867319  | 0.79   | cps   |
| Lithium    | 6-1   | 2212534 | 2206947 | 2149199 | 2189560 | 1.60   | cps   |
| Magnesium  | 24-2  | 625140  | 623901  | 606758  | 618600  | 1.66   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:33:40 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3    | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|---------|----------|--------|-------|
| Manganese  | 55-2  | 96101    | 94326    | 92849   | 94425    | 1.72   | cps   |
| Molybdenum | 94-1  | 2716752  | 2803925  | 2788292 | 2769657  | 1.68   | cps   |
| Molybdenum | 95-1  | 3386402  | 3446862  | 3437240 | 3423501  | 0.95   | cps   |
| Molybdenum | 96-1  | 3753189  | 3823152  | 3854650 | 3810330  | 1.36   | cps   |
| Molybdenum | 97-1  | 2160808  | 2132838  | 2174188 | 2155945  | 0.98   | cps   |
| Molybdenum | 98-1  | 5429479  | 5459260  | 5500194 | 5462977  | 0.65   | cps   |
| Neodymium  | 150-1 | 147      | 80       | 113     | 113      | 29.41  | cps   |
| Neodymium  | 150-2 | 10       | 0        | 3       | 4        | 114.60 | cps   |
| Nickel     | 60-2  | 105119   | 104684   | 102379  | 104061   | 1.41   | cps   |
| Phosphorus | 31-2  | 1867     | 1917     | 1859    | 1881     | 1.68   | cps   |
| Potassium  | 39-2  | 164255   | 161528   | 158483  | 161422   | 1.79   | cps   |
| Rhodium    | 103-1 | 8150574  | 8292502  | 7982752 | 8141943  | 1.90   | cps   |
| Rhodium    | 103-2 | 2252285  | 2289340  | 2473129 | 2338251  | 5.06   | cps   |
| Scandium   | 45-1  | 5785522  | 6022238  | 5692302 | 5833354  | 2.92   | cps   |
| Scandium   | 45-2  | 42658    | 43765    | 46504   | 44309    | 4.47   | cps   |
| Selenium   | 77-2  | 203      | 193      | 137     | 178      | 20.22  | cps   |
| Selenium   | 78-2  | 532      | 530      | 502     | 521      | 3.19   | cps   |
| Selenium   | 82-1  | 24013    | 24120    | 23980   | 24038    | 0.30   | cps   |
| Silicon    | 28-1  | 1291877  | 1303928  | 1292509 | 1296105  | 0.52   | cps   |
| Silver     | 109-1 | 1678767  | 1675578  | 1682223 | 1678856  | 0.20   | cps   |
| Silver     | 107-1 | 1747729  | 1725580  | 1762248 | 1745186  | 1.06   | cps   |
| Sodium     | 23-2  | 1424297  | 1405801  | 1364035 | 1398044  | 2.21   | cps   |
| Strontium  | 86-1  | 422784   | 425877   | 424219  | 424293   | 0.36   | cps   |
| Strontium  | 88-1  | 3630743  | 3641222  | 3671770 | 3647912  | 0.58   | cps   |
| Sulfur     | 34-1  | 1001781  | 995792   | 1001542 | 999705   | 0.34   | cps   |
| Terbium    | 159-1 | 10033674 | 10247638 | 9981623 | 10087645 | 1.40   | cps   |
| Terbium    | 159-2 | 2488479  | 2484205  | 2709170 | 2560618  | 5.02   | cps   |
| Thallium   | 203-1 | 1075206  | 1088192  | 1089095 | 1084164  | 0.72   | cps   |
| Thallium   | 205-1 | 2598837  | 2597007  | 2597165 | 2597670  | 0.04   | cps   |
| Tin        | 118-1 | 1024592  | 1039329  | 1050955 | 1038292  | 1.27   | cps   |
| Titanium   | 47-1  | 1006872  | 999489   | 1014532 | 1006964  | 0.75   | cps   |
| Uranium    | 238-1 | 3370070  | 3433460  | 3472903 | 3425478  | 1.51   | cps   |
| Vanadium   | 51-2  | 115683   | 113721   | 111721  | 113708   | 1.74   | cps   |
| Yttrium    | 89-1  | 9118992  | 9291841  | 8948715 | 9119849  | 1.88   | cps   |
| Yttrium    | 89-2  | 295062   | 297261   | 321193  | 304505   | 4.76   | cps   |
| Zinc       | 66-2  | 57422    | 60777    | 56585   | 58261    | 3.81   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:33:40 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 2310334 | 2331561 | 2327235 | 2323043 | 0.48   | cps   |
| Zirconium | 91-1 | 507204  | 503476  | 513646  | 508109  | 1.01   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:37:14 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 52665    | 51975    | 52590    | 52410    | 0.72   | cps   |
| Antimony   | 121-1 | 2965703  | 3000751  | 2969909  | 2978788  | 0.64   | cps   |
| Arsenic    | 75-1  | 851187   | 860540   | 862148   | 857958   | 0.69   | cps   |
| Barium     | 135-1 | 3096950  | 3138464  | 3129193  | 3121536  | 0.70   | cps   |
| Barium     | 137-1 | 5323567  | 5417418  | 5420651  | 5387212  | 1.02   | cps   |
| Beryllium  | 9-1   | 651084   | 651592   | 653297   | 651991   | 0.18   | cps   |
| Bismuth    | 209-1 | 6211816  | 5872486  | 5889026  | 5991109  | 3.19   | cps   |
| Bismuth    | 209-2 | 2153710  | 2221789  | 2211751  | 2195750  | 1.67   | cps   |
| Boron      | 11-1  | 385560   | 397032   | 400602   | 394398   | 1.99   | cps   |
| Boron      | 10-1  | 78633    | 79612    | 82051    | 80099    | 2.20   | cps   |
| Cadmium    | 106-1 | 82519    | 83399    | 82604    | 82841    | 0.59   | cps   |
| Cadmium    | 108-1 | 53974    | 54698    | 54740    | 54471    | 0.79   | cps   |
| Cadmium    | 111-1 | 733911   | 737781   | 743616   | 738436   | 0.66   | cps   |
| Calcium    | 43-1  | 823351   | 833434   | 844138   | 833641   | 1.25   | cps   |
| Calcium    | 44-1  | 13338821 | 13360395 | 13458112 | 13385776 | 0.47   | cps   |
| Chromium   | 52-2  | 319425   | 317318   | 321560   | 319434   | 0.66   | cps   |
| Cobalt     | 59-2  | 676969   | 672173   | 681400   | 676847   | 0.68   | cps   |
| Copper     | 63-2  | 1193573  | 1175601  | 1191295  | 1186823  | 0.82   | cps   |
| Dysprosium | 156-1 | 75       | 50       | 75       | 67       | 21.65  | cps   |
| Dysprosium | 156-2 | 3        | 13       | 3        | 7        | 86.65  | cps   |
| Erbium     | 164-1 | 17       | 33       | 92       | 47       | 83.40  | cps   |
| Erbium     | 164-2 | 0        | 10       | 10       | 7        | 86.60  | cps   |
| Gadolinium | 160-1 | 133      | 233      | 133      | 167      | 34.64  | cps   |
| Gadolinium | 160-2 | 20       | 27       | 17       | 21       | 24.12  | cps   |
| Holmium    | 165-1 | 9896865  | 9380538  | 9357292  | 9544898  | 3.20   | cps   |
| Holmium    | 165-2 | 2629208  | 2683367  | 2694549  | 2669041  | 1.31   | cps   |
| Indium     | 115-1 | 8278312  | 7955296  | 7934299  | 8055969  | 2.39   | cps   |
| Indium     | 115-2 | 409470   | 412361   | 416004   | 412611   | 0.79   | cps   |
| Iron       | 56-2  | 11218358 | 11223454 | 11293894 | 11245235 | 0.38   | cps   |
| Iron       | 57-2  | 285763   | 281730   | 284661   | 284051   | 0.73   | cps   |
| Krypton    | 83-1  | 1227     | 1203     | 1167     | 1199     | 2.52   | cps   |
| Lead       | 207-1 | 1565474  | 1577361  | 1586519  | 1576452  | 0.67   | cps   |
| Lead       | 208-1 | 7104167  | 7113073  | 7175185  | 7130808  | 0.54   | cps   |
| Lead       | 206-1 | 1743446  | 1761958  | 1746461  | 1750622  | 0.57   | cps   |
| Lithium    | 6-1   | 2215583  | 2131752  | 2109559  | 2152298  | 2.60   | cps   |
| Magnesium  | 24-2  | 1232607  | 1218644  | 1229549  | 1226933  | 0.60   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:37:14 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 187783   | 186422   | 187119   | 187108   | 0.36   | cps   |
| Molybdenum | 94-1  | 5433938  | 5466776  | 5535462  | 5478725  | 0.95   | cps   |
| Molybdenum | 95-1  | 6751074  | 6787046  | 6835603  | 6791241  | 0.62   | cps   |
| Molybdenum | 96-1  | 7469155  | 7525140  | 7533061  | 7509119  | 0.46   | cps   |
| Molybdenum | 97-1  | 4251441  | 4234996  | 4277631  | 4254689  | 0.51   | cps   |
| Molybdenum | 98-1  | 10835608 | 10809780 | 10917182 | 10854190 | 0.52   | cps   |
| Neodymium  | 150-1 | 267      | 140      | 300      | 236      | 35.84  | cps   |
| Neodymium  | 150-2 | 13       | 3        | 3        | 7        | 86.65  | cps   |
| Nickel     | 60-2  | 207449   | 203437   | 205703   | 205529   | 0.98   | cps   |
| Phosphorus | 31-2  | 3801     | 3926     | 3809     | 3845     | 1.82   | cps   |
| Potassium  | 39-2  | 311905   | 309937   | 314085   | 311976   | 0.67   | cps   |
| Rhodium    | 103-1 | 8071163  | 7733730  | 7748679  | 7851191  | 2.43   | cps   |
| Rhodium    | 103-2 | 2318859  | 2337251  | 2359286  | 2338466  | 0.87   | cps   |
| Scandium   | 45-1  | 5852499  | 5566118  | 5560364  | 5659660  | 2.95   | cps   |
| Scandium   | 45-2  | 45276    | 45470    | 46601    | 45782    | 1.56   | cps   |
| Selenium   | 77-2  | 260      | 290      | 330      | 293      | 11.97  | cps   |
| Selenium   | 78-2  | 1007     | 1032     | 970      | 1003     | 3.07   | cps   |
| Selenium   | 82-1  | 47709    | 48032    | 48241    | 47994    | 0.56   | cps   |
| Silicon    | 28-1  | 2126479  | 2119411  | 2124072  | 2123320  | 0.17   | cps   |
| Silver     | 109-1 | 3335851  | 3335786  | 3368655  | 3346764  | 0.57   | cps   |
| Silver     | 107-1 | 3435507  | 3479738  | 3512334  | 3475860  | 1.11   | cps   |
| Sodium     | 23-2  | 2743482  | 2706793  | 2713590  | 2721288  | 0.72   | cps   |
| Strontium  | 86-1  | 840969   | 844049   | 857521   | 847513   | 1.04   | cps   |
| Strontium  | 88-1  | 7201943  | 7291282  | 7310649  | 7267958  | 0.80   | cps   |
| Sulfur     | 34-1  | 1087641  | 1072199  | 1063799  | 1074546  | 1.13   | cps   |
| Terbium    | 159-1 | 10262853 | 9799585  | 9920161  | 9994200  | 2.40   | cps   |
| Terbium    | 159-2 | 2623689  | 2644862  | 2642909  | 2637153  | 0.44   | cps   |
| Thallium   | 203-1 | 2220338  | 2208031  | 2221448  | 2216606  | 0.34   | cps   |
| Thallium   | 205-1 | 5152745  | 5192264  | 5191868  | 5178959  | 0.44   | cps   |
| Tin        | 118-1 | 2085881  | 2122292  | 2138173  | 2115449  | 1.27   | cps   |
| Titanium   | 47-1  | 2025561  | 2012172  | 2047978  | 2028570  | 0.89   | cps   |
| Uranium    | 238-1 | 6725657  | 6853724  | 6829602  | 6802994  | 1.00   | cps   |
| Vanadium   | 51-2  | 227128   | 225708   | 229447   | 227428   | 0.83   | cps   |
| Yttrium    | 89-1  | 9037712  | 8743461  | 8757888  | 8846353  | 1.88   | cps   |
| Yttrium    | 89-2  | 303062   | 305277   | 310376   | 306238   | 1.22   | cps   |
| Zinc       | 66-2  | 112273   | 113460   | 113059   | 112931   | 0.53   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:37:14 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 4554929 | 4571390 | 4588703 | 4571674 | 0.37   | cps   |
| Zirconium | 91-1 | 1015706 | 1023005 | 1025117 | 1021276 | 0.48   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:40:42 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 104042   | 103913   | 104246   | 104067   | 0.16   | cps   |
| Antimony   | 121-1 | 5887645  | 5921583  | 5942486  | 5917238  | 0.47   | cps   |
| Arsenic    | 75-1  | 1738024  | 1729833  | 1719125  | 1728994  | 0.55   | cps   |
| Barium     | 135-1 | 6160749  | 6232901  | 6171052  | 6188234  | 0.63   | cps   |
| Barium     | 137-1 | 10743913 | 10820902 | 10888581 | 10817798 | 0.67   | cps   |
| Beryllium  | 9-1   | 1280470  | 1285850  | 1290368  | 1285563  | 0.39   | cps   |
| Bismuth    | 209-1 | 6191163  | 6372084  | 6268087  | 6277112  | 1.45   | cps   |
| Bismuth    | 209-2 | 2204818  | 2213576  | 2183826  | 2200740  | 0.69   | cps   |
| Boron      | 11-1  | 763232   | 782840   | 789721   | 778598   | 1.77   | cps   |
| Boron      | 10-1  | 154228   | 161203   | 160715   | 158716   | 2.45   | cps   |
| Cadmium    | 106-1 | 160158   | 161860   | 161660   | 161226   | 0.58   | cps   |
| Cadmium    | 108-1 | 109746   | 109494   | 109423   | 109555   | 0.16   | cps   |
| Cadmium    | 111-1 | 1463349  | 1460365  | 1472283  | 1465332  | 0.42   | cps   |
| Calcium    | 43-1  | 1651917  | 1666179  | 1660272  | 1659456  | 0.43   | cps   |
| Calcium    | 44-1  | 26386335 | 26472001 | 26393808 | 26417382 | 0.18   | cps   |
| Chromium   | 52-2  | 630754   | 634868   | 631394   | 632339   | 0.35   | cps   |
| Cobalt     | 59-2  | 1339550  | 1337739  | 1328035  | 1335108  | 0.46   | cps   |
| Copper     | 63-2  | 2364548  | 2365243  | 2334044  | 2354612  | 0.76   | cps   |
| Dysprosium | 156-1 | 108      | 50       | 83       | 81       | 36.33  | cps   |
| Dysprosium | 156-2 | 10       | 3        | 3        | 6        | 69.34  | cps   |
| Erbium     | 164-1 | 50       | 83       | 42       | 58       | 37.80  | cps   |
| Erbium     | 164-2 | 10       | 20       | 7        | 12       | 56.76  | cps   |
| Gadolinium | 160-1 | 100      | 133      | 167      | 133      | 25.00  | cps   |
| Gadolinium | 160-2 | 23       | 10       | 23       | 19       | 40.75  | cps   |
| Holmium    | 165-1 | 9949945  | 10203171 | 10051678 | 10068265 | 1.27   | cps   |
| Holmium    | 165-2 | 2735326  | 2736968  | 2736957  | 2736417  | 0.03   | cps   |
| Indium     | 115-1 | 8380822  | 8357241  | 8296441  | 8344835  | 0.52   | cps   |
| Indium     | 115-2 | 404523   | 410801   | 410944   | 408756   | 0.90   | cps   |
| Iron       | 56-2  | 22420303 | 22468232 | 22183255 | 22357263 | 0.68   | cps   |
| Iron       | 57-2  | 569776   | 569446   | 566315   | 568512   | 0.34   | cps   |
| Krypton    | 83-1  | 1143     | 1100     | 1077     | 1107     | 3.06   | cps   |
| Lead       | 207-1 | 3215335  | 3263830  | 3260137  | 3246434  | 0.83   | cps   |
| Lead       | 208-1 | 14243662 | 14534389 | 14467572 | 14415208 | 1.06   | cps   |
| Lead       | 206-1 | 3499073  | 3579180  | 3580100  | 3552784  | 1.31   | cps   |
| Lithium    | 6-1   | 2162731  | 2183625  | 2172065  | 2172807  | 0.48   | cps   |
| Magnesium  | 24-2  | 2416661  | 2432419  | 2383070  | 2410717  | 1.05   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:40:42 | DataFile Name :   | 010CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 370494   | 370684   | 369283   | 370154   | 0.21   | cps   |
| Molybdenum | 94-1  | 10839262 | 10998679 | 11101920 | 10979954 | 1.21   | cps   |
| Molybdenum | 95-1  | 13361557 | 13746932 | 13766419 | 13624969 | 1.68   | cps   |
| Molybdenum | 96-1  | 14876356 | 15328185 | 15119156 | 15107899 | 1.50   | cps   |
| Molybdenum | 97-1  | 8383197  | 8483493  | 8495829  | 8454173  | 0.73   | cps   |
| Molybdenum | 98-1  | 21726864 | 21837678 | 21815215 | 21793252 | 0.27   | cps   |
| Neodymium  | 150-1 | 353      | 413      | 440      | 402      | 11.04  | cps   |
| Neodymium  | 150-2 | 0        | 3        | 7        | 3        | 100.05 | cps   |
| Nickel     | 60-2  | 402918   | 404029   | 402248   | 403065   | 0.22   | cps   |
| Phosphorus | 31-2  | 6894     | 7752     | 7753     | 7466     | 6.64   | cps   |
| Potassium  | 39-2  | 615515   | 611535   | 610211   | 612421   | 0.45   | cps   |
| Rhodium    | 103-1 | 8108562  | 8195225  | 8026772  | 8110186  | 1.04   | cps   |
| Rhodium    | 103-2 | 2353733  | 2368702  | 2330281  | 2350905  | 0.82   | cps   |
| Scandium   | 45-1  | 5864463  | 5819435  | 5781667  | 5821855  | 0.71   | cps   |
| Scandium   | 45-2  | 45122    | 45420    | 45259    | 45267    | 0.33   | cps   |
| Selenium   | 77-2  | 517      | 583      | 533      | 544      | 6.37   | cps   |
| Selenium   | 78-2  | 2082     | 1941     | 2041     | 2021     | 3.58   | cps   |
| Selenium   | 82-1  | 94691    | 96006    | 95863    | 95520    | 0.76   | cps   |
| Silicon    | 28-1  | 3665363  | 3680449  | 3635560  | 3660457  | 0.62   | cps   |
| Silver     | 109-1 | 6530321  | 6554636  | 6564442  | 6549800  | 0.27   | cps   |
| Silver     | 107-1 | 6794703  | 6895371  | 6767785  | 6819286  | 0.99   | cps   |
| Sodium     | 23-2  | 5319900  | 5349086  | 5261037  | 5310007  | 0.84   | cps   |
| Strontium  | 86-1  | 1673017  | 1713556  | 1691130  | 1692567  | 1.20   | cps   |
| Strontium  | 88-1  | 14399061 | 14634703 | 14662167 | 14565310 | 0.99   | cps   |
| Sulfur     | 34-1  | 1240183  | 1244935  | 1226689  | 1237269  | 0.77   | cps   |
| Terbium    | 159-1 | 10457651 | 10471089 | 10645342 | 10524694 | 0.99   | cps   |
| Terbium    | 159-2 | 2689950  | 2660143  | 2664665  | 2671586  | 0.60   | cps   |
| Thallium   | 203-1 | 4428947  | 4507671  | 4482842  | 4473153  | 0.90   | cps   |
| Thallium   | 205-1 | 10272705 | 10533936 | 10524954 | 10443865 | 1.42   | cps   |
| Tin        | 118-1 | 4210614  | 4198801  | 4203165  | 4204193  | 0.14   | cps   |
| Titanium   | 47-1  | 4005836  | 3997634  | 3957401  | 3986957  | 0.65   | cps   |
| Uranium    | 238-1 | 13669413 | 13860231 | 13803352 | 13777665 | 0.71   | cps   |
| Vanadium   | 51-2  | 453863   | 452227   | 450825   | 452305   | 0.34   | cps   |
| Yttrium    | 89-1  | 9211373  | 9308694  | 9259897  | 9259988  | 0.53   | cps   |
| Yttrium    | 89-2  | 302311   | 306092   | 308347   | 305583   | 1.00   | cps   |
| Zinc       | 66-2  | 223537   | 225621   | 223721   | 224293   | 0.51   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:40:42 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 9116165 | 9182918 | 9236894 | 9178659 | 0.66   | cps   |
| Zirconium | 91-1 | 2061475 | 2074519 | 2095754 | 2077249 | 0.83   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : S7 Instrumnet Name : P8  
 Client Sample ID : S7 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 14:44:05 DataFile Name : 011CAL.S.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 207723   | 202869   | 203721   | 204771   | 1.27   | cps   |
| Antimony   | 121-1 | 11823718 | 11822598 | 11827275 | 11824530 | 0.02   | cps   |
| Arsenic    | 75-1  | 3427808  | 3374378  | 3430651  | 3410945  | 0.93   | cps   |
| Barium     | 135-1 | 12455623 | 12139423 | 12350258 | 12315102 | 1.31   | cps   |
| Barium     | 137-1 | 21703353 | 21601982 | 21878764 | 21728033 | 0.64   | cps   |
| Beryllium  | 9-1   | 2528370  | 2484505  | 2506361  | 2506412  | 0.88   | cps   |
| Bismuth    | 209-1 | 6219626  | 6173348  | 6256555  | 6216510  | 0.67   | cps   |
| Bismuth    | 209-2 | 2114189  | 2096202  | 2089818  | 2100070  | 0.60   | cps   |
| Boron      | 11-1  | 1545180  | 1546907  | 1585739  | 1559276  | 1.47   | cps   |
| Boron      | 10-1  | 310454   | 312526   | 312017   | 311665   | 0.35   | cps   |
| Cadmium    | 106-1 | 319488   | 322461   | 319491   | 320480   | 0.54   | cps   |
| Cadmium    | 108-1 | 217724   | 216559   | 215436   | 216573   | 0.53   | cps   |
| Cadmium    | 111-1 | 2918664  | 2904788  | 2916040  | 2913164  | 0.25   | cps   |
| Calcium    | 43-1  | 3307716  | 3264842  | 3294824  | 3289127  | 0.67   | cps   |
| Calcium    | 44-1  | 52817670 | 52675002 | 52671033 | 52721235 | 0.16   | cps   |
| Chromium   | 52-2  | 1271702  | 1249833  | 1254677  | 1258737  | 0.91   | cps   |
| Cobalt     | 59-2  | 2640160  | 2655417  | 2653208  | 2649595  | 0.31   | cps   |
| Copper     | 63-2  | 4579099  | 4569145  | 4549290  | 4565845  | 0.33   | cps   |
| Dysprosium | 156-1 | 200      | 133      | 125      | 153      | 26.91  | cps   |
| Dysprosium | 156-2 | 17       | 0        | 20       | 12       | 87.67  | cps   |
| Erbium     | 164-1 | 58       | 33       | 33       | 42       | 34.65  | cps   |
| Erbium     | 164-2 | 7        | 3        | 13       | 8        | 65.47  | cps   |
| Gadolinium | 160-1 | 50       | 183      | 117      | 117      | 57.14  | cps   |
| Gadolinium | 160-2 | 20       | 40       | 30       | 30       | 33.33  | cps   |
| Holmium    | 165-1 | 10242989 | 10084811 | 10281245 | 10203015 | 1.02   | cps   |
| Holmium    | 165-2 | 2665445  | 2640160  | 2609711  | 2638439  | 1.06   | cps   |
| Indium     | 115-1 | 8207784  | 8285386  | 8334721  | 8275964  | 0.77   | cps   |
| Indium     | 115-2 | 391385   | 387508   | 386338   | 388411   | 0.68   | cps   |
| Iron       | 56-2  | 44637112 | 43907479 | 44042901 | 44195831 | 0.88   | cps   |
| Iron       | 57-2  | 1125779  | 1119545  | 1127111  | 1124145  | 0.36   | cps   |
| Krypton    | 83-1  | 1203     | 1180     | 1263     | 1216     | 3.54   | cps   |
| Lead       | 207-1 | 6374243  | 6359791  | 6336826  | 6356953  | 0.30   | cps   |
| Lead       | 208-1 | 28540194 | 28234525 | 28156261 | 28310326 | 0.72   | cps   |
| Lead       | 206-1 | 7012349  | 6969292  | 6884077  | 6955239  | 0.94   | cps   |
| Lithium    | 6-1   | 2135923  | 2129604  | 2168599  | 2144709  | 0.98   | cps   |
| Magnesium  | 24-2  | 4725844  | 4610845  | 4673150  | 4669947  | 1.23   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S7                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:44:05 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 736248   | 729637   | 727948   | 731277   | 0.60   | cps   |
| Molybdenum | 94-1  | 21923273 | 21879006 | 22117390 | 21973223 | 0.58   | cps   |
| Molybdenum | 95-1  | 27325293 | 27215466 | 27535440 | 27358733 | 0.59   | cps   |
| Molybdenum | 96-1  | 30101394 | 29986729 | 30366281 | 30151468 | 0.65   | cps   |
| Molybdenum | 97-1  | 16945737 | 16805575 | 16897976 | 16883096 | 0.42   | cps   |
| Molybdenum | 98-1  | 43879133 | 43599457 | 43918515 | 43799035 | 0.40   | cps   |
| Neodymium  | 150-1 | 847      | 600      | 947      | 798      | 22.37  | cps   |
| Neodymium  | 150-2 | 7        | 10       | 17       | 11       | 45.82  | cps   |
| Nickel     | 60-2  | 793154   | 787397   | 789062   | 789871   | 0.38   | cps   |
| Phosphorus | 31-2  | 15618    | 14358    | 14750    | 14908    | 4.32   | cps   |
| Potassium  | 39-2  | 1217435  | 1200218  | 1216033  | 1211229  | 0.79   | cps   |
| Rhodium    | 103-1 | 7953785  | 8070584  | 8089588  | 8037986  | 0.91   | cps   |
| Rhodium    | 103-2 | 2252363  | 2230879  | 2213367  | 2232203  | 0.87   | cps   |
| Scandium   | 45-1  | 5770202  | 5807462  | 5865071  | 5814245  | 0.82   | cps   |
| Scandium   | 45-2  | 44470    | 45527    | 44577    | 44858    | 1.30   | cps   |
| Selenium   | 77-2  | 1073     | 1090     | 1117     | 1093     | 2.00   | cps   |
| Selenium   | 78-2  | 4043     | 3917     | 4171     | 4044     | 3.14   | cps   |
| Selenium   | 82-1  | 189346   | 190103   | 189399   | 189616   | 0.22   | cps   |
| Silicon    | 28-1  | 6659225  | 6644734  | 6677881  | 6660613  | 0.25   | cps   |
| Silver     | 109-1 | 13004678 | 12905217 | 12821723 | 12910539 | 0.71   | cps   |
| Silver     | 107-1 | 13594708 | 13594987 | 13546583 | 13578759 | 0.21   | cps   |
| Sodium     | 23-2  | 10513182 | 10401074 | 10542064 | 10485440 | 0.71   | cps   |
| Strontium  | 86-1  | 3380182  | 3351557  | 3380703  | 3370814  | 0.49   | cps   |
| Strontium  | 88-1  | 28754178 | 28968230 | 29053349 | 28925252 | 0.53   | cps   |
| Sulfur     | 34-1  | 1627279  | 1607571  | 1609320  | 1614724  | 0.68   | cps   |
| Terbium    | 159-1 | 10305041 | 10511446 | 10580306 | 10465598 | 1.37   | cps   |
| Terbium    | 159-2 | 2634092  | 2595555  | 2592134  | 2607260  | 0.89   | cps   |
| Thallium   | 203-1 | 8823229  | 8700978  | 8761174  | 8761794  | 0.70   | cps   |
| Thallium   | 205-1 | 20896479 | 20571168 | 20659174 | 20708940 | 0.81   | cps   |
| Tin        | 118-1 | 8290112  | 8281004  | 8298291  | 8289802  | 0.10   | cps   |
| Titanium   | 47-1  | 7791373  | 7849036  | 7823587  | 7821332  | 0.37   | cps   |
| Uranium    | 238-1 | 28061266 | 27979284 | 27732281 | 27924277 | 0.61   | cps   |
| Vanadium   | 51-2  | 909548   | 896558   | 906093   | 904066   | 0.74   | cps   |
| Yttrium    | 89-1  | 9183468  | 9269619  | 9442400  | 9298496  | 1.42   | cps   |
| Yttrium    | 89-2  | 300547   | 299170   | 293630   | 297782   | 1.23   | cps   |
| Zinc       | 66-2  | 444316   | 441088   | 439687   | 441697   | 0.54   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:44:05 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|-----------|------|----------|----------|----------|----------|--------|-------|
| Zirconium | 90-1 | 18176430 | 18223937 | 18544035 | 18314801 | 1.09   | cps   |
| Zirconium | 91-1 | 4101102  | 4106243  | 4122778  | 4110041  | 0.28   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:47:25 | DataFile Name :   | 012CALS.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 1090479   | 1097222   | 1091155   | 1092952   | 0.34   | cps   |
| Antimony   | 121-1 | 20725     | 21218     | 21468     | 21137     | 1.79   | cps   |
| Arsenic    | 75-1  | 5668      | 5993      | 5493      | 5718      | 4.44   | cps   |
| Barium     | 135-1 | 2575      | 2600      | 3201      | 2792      | 12.68  | cps   |
| Barium     | 137-1 | 5510      | 4743      | 4601      | 4951      | 9.87   | cps   |
| Beryllium  | 9-1   | 611       | 650       | 456       | 572       | 17.98  | cps   |
| Bismuth    | 209-1 | 5347468   | 5647089   | 5499088   | 5497882   | 2.72   | cps   |
| Bismuth    | 209-2 | 2023307   | 2075466   | 2013217   | 2037330   | 1.64   | cps   |
| Boron      | 11-1  | 32513     | 30283     | 28913     | 30570     | 5.94   | cps   |
| Boron      | 10-1  | 6910      | 6035      | 5810      | 6252      | 9.30   | cps   |
| Cadmium    | 106-1 | 3192      | 3401      | 3234      | 3276      | 3.37   | cps   |
| Cadmium    | 108-1 | 71        | 71        | 46        | 63        | 23.10  | cps   |
| Cadmium    | 111-1 | 2706      | 2827      | 2707      | 2746      | 2.53   | cps   |
| Calcium    | 43-1  | 16188439  | 16366434  | 16331012  | 16295295  | 0.58   | cps   |
| Calcium    | 44-1  | 264112848 | 267208481 | 266064081 | 265795136 | 0.59   | cps   |
| Chromium   | 52-2  | 59020     | 58595     | 58984     | 58867     | 0.40   | cps   |
| Cobalt     | 59-2  | 32702     | 33233     | 33858     | 33264     | 1.74   | cps   |
| Copper     | 63-2  | 12369     | 12362     | 12339     | 12357     | 0.13   | cps   |
| Dysprosium | 156-1 | 92        | 133       | 67        | 97        | 34.64  | cps   |
| Dysprosium | 156-2 | 27        | 37        | 7         | 23        | 65.46  | cps   |
| Erbium     | 164-1 | 100       | 42        | 75        | 72        | 40.52  | cps   |
| Erbium     | 164-2 | 10        | 3         | 13        | 9         | 57.30  | cps   |
| Gadolinium | 160-1 | 167       | 200       | 258       | 208       | 22.27  | cps   |
| Gadolinium | 160-2 | 50        | 60        | 23        | 44        | 42.65  | cps   |
| Holmium    | 165-1 | 9237478   | 9714507   | 9420129   | 9457371   | 2.54   | cps   |
| Holmium    | 165-2 | 2709275   | 2730808   | 2689078   | 2709720   | 0.77   | cps   |
| Indium     | 115-1 | 7582819   | 8121821   | 7786715   | 7830452   | 3.48   | cps   |
| Indium     | 115-2 | 414003    | 424257    | 408189    | 415483    | 1.96   | cps   |
| Iron       | 56-2  | 222089666 | 221376766 | 221452138 | 221639523 | 0.18   | cps   |
| Iron       | 57-2  | 5522645   | 5505075   | 5547878   | 5525199   | 0.39   | cps   |
| Krypton    | 83-1  | 1330      | 1203      | 1253      | 1262      | 5.05   | cps   |
| Lead       | 207-1 | 9760      | 9143      | 8826      | 9243      | 5.14   | cps   |
| Lead       | 208-1 | 43408     | 41750     | 40338     | 41832     | 3.67   | cps   |
| Lead       | 206-1 | 10783     | 10666     | 9637      | 10362     | 6.08   | cps   |
| Lithium    | 6-1   | 1948614   | 2049507   | 1956714   | 1984945   | 2.82   | cps   |
| Magnesium  | 24-2  | 23195544  | 23136977  | 22997630  | 23110050  | 0.44   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 14:47:25 | DataFile Name :   | 012CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 5178     | 5164     | 5198     | 5180     | 0.32   | cps   |
| Molybdenum | 94-1  | 27688    | 27955    | 26635    | 27426    | 2.54   | cps   |
| Molybdenum | 95-1  | 41623    | 41908    | 41414    | 41648    | 0.59   | cps   |
| Molybdenum | 96-1  | 47225    | 47567    | 46832    | 47208    | 0.78   | cps   |
| Molybdenum | 97-1  | 25583    | 25558    | 25208    | 25450    | 0.83   | cps   |
| Molybdenum | 98-1  | 66220    | 67026    | 65300    | 66182    | 1.31   | cps   |
| Neodymium  | 150-1 | 193      | 207      | 187      | 196      | 5.21   | cps   |
| Neodymium  | 150-2 | 40       | 43       | 40       | 41       | 4.68   | cps   |
| Nickel     | 60-2  | 30163    | 29932    | 30590    | 30229    | 1.10   | cps   |
| Phosphorus | 31-2  | 42       | 25       | 17       | 28       | 45.82  | cps   |
| Potassium  | 39-2  | 6198518  | 6191912  | 6160097  | 6183509  | 0.33   | cps   |
| Rhodium    | 103-1 | 7110257  | 7584136  | 7361546  | 7351980  | 3.22   | cps   |
| Rhodium    | 103-2 | 2222816  | 2244589  | 2191029  | 2219478  | 1.21   | cps   |
| Scandium   | 45-1  | 5463555  | 5861732  | 5750127  | 5691805  | 3.61   | cps   |
| Scandium   | 45-2  | 45591    | 46403    | 45269    | 45754    | 1.28   | cps   |
| Selenium   | 77-2  | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Selenium   | 78-2  | 2        | 7        | 6        | 5        | 57.32  | cps   |
| Selenium   | 82-1  | 166      | 226      | 187      | 193      | 15.74  | cps   |
| Silicon    | 28-1  | 883214   | 907060   | 919560   | 903278   | 2.04   | cps   |
| Silver     | 109-1 | 8954     | 32686    | 78497    | 40046    | 88.28  | cps   |
| Silver     | 107-1 | 9046     | 34967    | 82544    | 42186    | 88.36  | cps   |
| Sodium     | 23-2  | 51133581 | 51105793 | 50808130 | 51015835 | 0.35   | cps   |
| Strontium  | 86-1  | 17228    | 17887    | 17186    | 17434    | 2.25   | cps   |
| Strontium  | 88-1  | 132834   | 134752   | 133649   | 133745   | 0.72   | cps   |
| Sulfur     | 34-1  | 753165   | 756829   | 761109   | 757034   | 0.53   | cps   |
| Terbium    | 159-1 | 9468231  | 10134976 | 9767605  | 9790271  | 3.41   | cps   |
| Terbium    | 159-2 | 2690155  | 2675511  | 2632948  | 2666205  | 1.11   | cps   |
| Thallium   | 203-1 | 2875     | 2692     | 2517     | 2695     | 6.65   | cps   |
| Thallium   | 205-1 | 6735     | 6469     | 6319     | 6508     | 3.24   | cps   |
| Tin        | 118-1 | 11263    | 10646    | 10254    | 10721    | 4.74   | cps   |
| Titanium   | 47-1  | 2434     | 2559     | 2350     | 2448     | 4.28   | cps   |
| Uranium    | 238-1 | 4835     | 4618     | 4451     | 4634     | 4.15   | cps   |
| Vanadium   | 51-2  | 303      | 413      | 377      | 364      | 15.37  | cps   |
| Yttrium    | 89-1  | 8524317  | 9075897  | 8928097  | 8842770  | 3.23   | cps   |
| Yttrium    | 89-2  | 315502   | 321464   | 311308   | 316091   | 1.61   | cps   |
| Zinc       | 66-2  | 3797     | 3931     | 3747     | 3825     | 2.48   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P8        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 14:47:25 | DataFile Name :   | 012CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 8795 | 9153 | 8662 | 8870    | 2.87   | cps   |
| Zirconium | 91-1 | 2167 | 2000 | 2167 | 2111    | 4.56   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P8  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:01:14 DataFile Name : 013ICV01.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 6018    | 5898    | 6010    | 5975    | 1.13   | cps   |
| Antimony   | 121-1 | 2356079 | 2378614 | 2363434 | 2366042 | 0.49   | cps   |
| Arsenic    | 75-1  | 701349  | 709045  | 707916  | 706103  | 0.59   | cps   |
| Barium     | 135-1 | 242596  | 248534  | 248882  | 246670  | 1.43   | cps   |
| Barium     | 137-1 | 426606  | 430616  | 430594  | 429272  | 0.54   | cps   |
| Beryllium  | 9-1   | 250990  | 252036  | 255169  | 252732  | 0.86   | cps   |
| Bismuth    | 209-1 | 5945562 | 5968156 | 6105004 | 6006241 | 1.44   | cps   |
| Bismuth    | 209-2 | 2313041 | 2269318 | 2285076 | 2289145 | 0.97   | cps   |
| Boron      | 11-1  | 753573  | 785227  | 799705  | 779502  | 3.03   | cps   |
| Boron      | 10-1  | 153917  | 158540  | 159940  | 157466  | 2.00   | cps   |
| Cadmium    | 106-1 | 58486   | 58988   | 59131   | 58868   | 0.58   | cps   |
| Cadmium    | 108-1 | 29846   | 29779   | 30932   | 30185   | 2.14   | cps   |
| Cadmium    | 111-1 | 305464  | 309847  | 312432  | 309248  | 1.14   | cps   |
| Calcium    | 43-1  | 80288   | 78897   | 82475   | 80553   | 2.24   | cps   |
| Calcium    | 44-1  | 1265672 | 1277450 | 1308042 | 1283721 | 1.70   | cps   |
| Chromium   | 52-2  | 135603  | 135562  | 133398  | 134854  | 0.94   | cps   |
| Cobalt     | 59-2  | 294561  | 287900  | 289310  | 290590  | 1.21   | cps   |
| Copper     | 63-2  | 257065  | 256623  | 256226  | 256638  | 0.16   | cps   |
| Dysprosium | 156-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 117     | 75      | 108     | 100     | 22.05  | cps   |
| Erbium     | 164-2 | 33      | 23      | 23      | 27      | 21.65  | cps   |
| Gadolinium | 160-1 | 183     | 167     | 142     | 164     | 12.80  | cps   |
| Gadolinium | 160-2 | 27      | 17      | 13      | 19      | 36.75  | cps   |
| Holmium    | 165-1 | 9408690 | 9483497 | 9708647 | 9533611 | 1.64   | cps   |
| Holmium    | 165-2 | 2851719 | 2787570 | 2826576 | 2821955 | 1.15   | cps   |
| Indium     | 115-1 | 8132920 | 8351710 | 8518479 | 8334370 | 2.32   | cps   |
| Indium     | 115-2 | 451571  | 447703  | 449038  | 449437  | 0.44   | cps   |
| Iron       | 56-2  | 989407  | 977120  | 974022  | 980183  | 0.83   | cps   |
| Iron       | 57-2  | 24728   | 24923   | 24962   | 24871   | 0.50   | cps   |
| Krypton    | 83-1  | 1207    | 1210    | 1147    | 1188    | 3.00   | cps   |
| Lead       | 207-1 | 1187444 | 1199476 | 1214127 | 1200349 | 1.11   | cps   |
| Lead       | 208-1 | 5536555 | 5524510 | 5611998 | 5557688 | 0.85   | cps   |
| Lead       | 206-1 | 1360472 | 1388224 | 1395268 | 1381321 | 1.33   | cps   |
| Lithium    | 6-1   | 2105766 | 2123841 | 2170466 | 2133357 | 1.56   | cps   |
| Magnesium  | 24-2  | 62044   | 60982   | 60923   | 61316   | 1.03   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 15:01:14 | DataFile Name :   | 013ICV01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 40084    | 39700    | 39703    | 39829    | 0.55   | cps   |
| Molybdenum | 94-1  | 4875793  | 4955348  | 4889980  | 4907041  | 0.86   | cps   |
| Molybdenum | 95-1  | 2815036  | 2829191  | 2846338  | 2830188  | 0.55   | cps   |
| Molybdenum | 96-1  | 3553453  | 3555090  | 3618594  | 3575712  | 1.04   | cps   |
| Molybdenum | 97-1  | 1768492  | 1754889  | 1775900  | 1766427  | 0.60   | cps   |
| Molybdenum | 98-1  | 4478810  | 4520748  | 4481269  | 4493609  | 0.52   | cps   |
| Neodymium  | 150-1 | 47       | 27       | 27       | 33       | 34.64  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 88113    | 88375    | 87509    | 87999    | 0.50   | cps   |
| Phosphorus | 31-2  | 33       | 8        | 17       | 19       | 65.48  | cps   |
| Potassium  | 39-2  | 59376    | 59712    | 58246    | 59111    | 1.30   | cps   |
| Rhodium    | 103-1 | 8176789  | 8281546  | 8423795  | 8294043  | 1.49   | cps   |
| Rhodium    | 103-2 | 2596691  | 2539006  | 2526335  | 2554011  | 1.47   | cps   |
| Scandium   | 45-1  | 5947351  | 6080146  | 6137406  | 6054968  | 1.61   | cps   |
| Scandium   | 45-2  | 50253    | 49845    | 49724    | 49941    | 0.55   | cps   |
| Selenium   | 77-2  | 357      | 277      | 377      | 337      | 15.72  | cps   |
| Selenium   | 78-2  | 913      | 922      | 859      | 898      | 3.79   | cps   |
| Selenium   | 82-1  | 38999    | 39790    | 40033    | 39607    | 1.37   | cps   |
| Silicon    | 28-1  | 3788049  | 3840722  | 3819771  | 3816181  | 0.69   | cps   |
| Silver     | 109-1 | 1317211  | 1326640  | 1337594  | 1327148  | 0.77   | cps   |
| Silver     | 107-1 | 1409427  | 1395664  | 1417867  | 1407653  | 0.80   | cps   |
| Sodium     | 23-2  | 236501   | 231015   | 233485   | 233667   | 1.18   | cps   |
| Strontium  | 86-1  | 1722187  | 1732996  | 1719639  | 1724941  | 0.41   | cps   |
| Strontium  | 88-1  | 14538602 | 14716530 | 14846897 | 14700676 | 1.05   | cps   |
| Sulfur     | 34-1  | 832201   | 817436   | 816539   | 822059   | 1.07   | cps   |
| Terbium    | 159-1 | 9824587  | 10005495 | 10055306 | 9961796  | 1.22   | cps   |
| Terbium    | 159-2 | 2804429  | 2748862  | 2796044  | 2783112  | 1.08   | cps   |
| Thallium   | 203-1 | 1754512  | 1775424  | 1788450  | 1772795  | 0.97   | cps   |
| Thallium   | 205-1 | 4147575  | 4197927  | 4208830  | 4184777  | 0.78   | cps   |
| Tin        | 118-1 | 4227626  | 4299814  | 4308510  | 4278650  | 1.04   | cps   |
| Titanium   | 47-1  | 842526   | 855573   | 851111   | 849737   | 0.78   | cps   |
| Uranium    | 238-1 | 13506848 | 13505009 | 13925603 | 13645820 | 1.78   | cps   |
| Vanadium   | 51-2  | 95993    | 95597    | 97057    | 96216    | 0.78   | cps   |
| Yttrium    | 89-1  | 9143102  | 9305105  | 9417117  | 9288441  | 1.48   | cps   |
| Yttrium    | 89-2  | 339851   | 337788   | 335832   | 337824   | 0.59   | cps   |
| Zinc       | 66-2  | 49478    | 49368    | 49247    | 49364    | 0.23   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB99014             | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P8         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2018-11-02 15:01:14 | DataFile Name :   | 013ICV01.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 9147967 | 9142120 | 9183406 | 9157831 | 0.24   | cps   |
| Zirconium | 91-1 | 2050378 | 2084339 | 2061945 | 2065554 | 0.84   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P8  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:12:32 DataFile Name : 014CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 28      | 23      | 48      | 33      | 40.69  | cps   |
| Antimony   | 121-1 | 908     | 933     | 1092    | 978     | 10.17  | cps   |
| Arsenic    | 75-1  | 358     | 425     | 492     | 425     | 15.69  | cps   |
| Barium     | 135-1 | 58      | 58      | 75      | 64      | 15.05  | cps   |
| Barium     | 137-1 | 92      | 150     | 108     | 117     | 25.76  | cps   |
| Beryllium  | 9-1   | 183     | 211     | 272     | 222     | 20.46  | cps   |
| Bismuth    | 209-1 | 6308083 | 6304706 | 6093311 | 6235367 | 1.97   | cps   |
| Bismuth    | 209-2 | 2150145 | 2287885 | 2366737 | 2268255 | 4.83   | cps   |
| Boron      | 11-1  | 5710    | 5418    | 5401    | 5510    | 3.15   | cps   |
| Boron      | 10-1  | 1117    | 942     | 1042    | 1033    | 8.50   | cps   |
| Cadmium    | 106-1 | 3534    | 3534    | 3526    | 3531    | 0.14   | cps   |
| Cadmium    | 108-1 | 29      | 8       | 21      | 19      | 53.95  | cps   |
| Cadmium    | 111-1 | 2458    | 2480    | 2466    | 2468    | 0.47   | cps   |
| Calcium    | 43-1  | 1008    | 858     | 967     | 945     | 8.20   | cps   |
| Calcium    | 44-1  | 37209   | 36934   | 37894   | 37346   | 1.32   | cps   |
| Chromium   | 52-2  | 440     | 487     | 583     | 503     | 14.52  | cps   |
| Cobalt     | 59-2  | 93      | 63      | 60      | 72      | 25.43  | cps   |
| Copper     | 63-2  | 1350    | 1250    | 1237    | 1279    | 4.84   | cps   |
| Dysprosium | 156-1 | 8       | 8       | 25      | 14      | 69.31  | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 67      | 50      | 50      | 56      | 17.32  | cps   |
| Erbium     | 164-2 | 7       | 10      | 3       | 7       | 50.03  | cps   |
| Gadolinium | 160-1 | 100     | 142     | 125     | 122     | 17.16  | cps   |
| Gadolinium | 160-2 | 3       | 10      | 20      | 11      | 75.52  | cps   |
| Holmium    | 165-1 | 9665182 | 9849124 | 9806809 | 9773705 | 0.99   | cps   |
| Holmium    | 165-2 | 2642983 | 2834508 | 2885833 | 2787775 | 4.59   | cps   |
| Indium     | 115-1 | 8754864 | 8758174 | 8672394 | 8728478 | 0.56   | cps   |
| Indium     | 115-2 | 433278  | 459639  | 479183  | 457367  | 5.04   | cps   |
| Iron       | 56-2  | 1156    | 1283    | 1422    | 1287    | 10.36  | cps   |
| Iron       | 57-2  | 50      | 17      | 50      | 39      | 49.48  | cps   |
| Krypton    | 83-1  | 1260    | 1190    | 1160    | 1203    | 4.26   | cps   |
| Lead       | 207-1 | 539     | 533     | 583     | 552     | 4.97   | cps   |
| Lead       | 208-1 | 2378    | 2467    | 2433    | 2426    | 1.85   | cps   |
| Lead       | 206-1 | 556     | 678     | 589     | 607     | 10.40  | cps   |
| Lithium    | 6-1   | 2212071 | 2231274 | 2211653 | 2218333 | 0.51   | cps   |
| Magnesium  | 24-2  | 200     | 200     | 183     | 194     | 4.95   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P8  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:12:32 DataFile Name : 014CCBE.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD  | Units |
|------------|-------|----------|----------|----------|----------|---------|-------|
| Manganese  | 55-2  | 23       | 30       | 10       | 21       | 48.24   | cps   |
| Molybdenum | 94-1  | 292      | 350      | 417      | 353      | 17.73   | cps   |
| Molybdenum | 95-1  | 325      | 267      | 242      | 278      | 15.40   | cps   |
| Molybdenum | 96-1  | 458      | 375      | 292      | 375      | 22.22   | cps   |
| Molybdenum | 97-1  | 283      | 200      | 242      | 242      | 17.24   | cps   |
| Molybdenum | 98-1  | 500      | 400      | 492      | 464      | 11.96   | cps   |
| Neodymium  | 150-1 | 0        | 20       | 7        | 9        | 114.55  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00    | cps   |
| Nickel     | 60-2  | 103      | 107      | 133      | 114      | 14.37   | cps   |
| Phosphorus | 31-2  | 0        | 17       | 0        | 6        | 173.21  | cps   |
| Potassium  | 39-2  | 4509     | 3909     | 4518     | 4312     | 8.09    | cps   |
| Rhodium    | 103-1 | 8713102  | 8709336  | 8579575  | 8667338  | 0.88    | cps   |
| Rhodium    | 103-2 | 2444369  | 2592733  | 2686550  | 2574551  | 4.74    | cps   |
| Scandium   | 45-1  | 6291292  | 6436660  | 6307220  | 6345057  | 1.26    | cps   |
| Scandium   | 45-2  | 46316    | 50775    | 50480    | 49191    | 5.07    | cps   |
| Selenium   | 77-2  | 0        | 3        | 0        | 1        | 173.21  | cps   |
| Selenium   | 78-2  | 2        | 2        | 0        | 1        | 86.60   | cps   |
| Selenium   | 82-1  | -135     | -16      | -24      | -58      | -113.98 | cps   |
| Silicon    | 28-1  | 378669   | 375058   | 374538   | 376089   | 0.60    | cps   |
| Silver     | 109-1 | 275      | 275      | 300      | 283      | 5.09    | cps   |
| Silver     | 107-1 | 283      | 358      | 267      | 303      | 16.13   | cps   |
| Sodium     | 23-2  | 7035     | 7102     | 7144     | 7094     | 0.77    | cps   |
| Strontium  | 86-1  | 1734     | 1750     | 1792     | 1759     | 1.71    | cps   |
| Strontium  | 88-1  | 667      | 600      | 708      | 658      | 8.30    | cps   |
| Sulfur     | 34-1  | 841470   | 840955   | 831454   | 837959   | 0.67    | cps   |
| Terbium    | 159-1 | 10299377 | 10292303 | 10331335 | 10307672 | 0.20    | cps   |
| Terbium    | 159-2 | 2628994  | 2817595  | 2864949  | 2770512  | 4.51    | cps   |
| Thallium   | 203-1 | 92       | 108      | 108      | 103      | 9.36    | cps   |
| Thallium   | 205-1 | 242      | 242      | 208      | 231      | 8.35    | cps   |
| Tin        | 118-1 | 817      | 842      | 717      | 792      | 8.36    | cps   |
| Titanium   | 47-1  | 167      | 175      | 150      | 164      | 7.77    | cps   |
| Uranium    | 238-1 | 42       | 50       | 8        | 33       | 66.15   | cps   |
| Vanadium   | 51-2  | 7        | 0        | 7        | 4        | 86.60   | cps   |
| Yttrium    | 89-1  | 9676645  | 9648525  | 9613705  | 9646292  | 0.33    | cps   |
| Yttrium    | 89-2  | 318898   | 341090   | 352860   | 337616   | 5.11    | cps   |
| Zinc       | 66-2  | 230      | 213      | 193      | 212      | 8.65    | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P8        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:12:32 | DataFile Name :   | 014CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 675  | 600  | 733  | 669     | 9.98   | cps   |
| Zirconium | 91-1 | 150  | 175  | 158  | 161     | 7.90   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P8  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:15:54 DataFile Name : 015ICSA01.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 989267   | 982649   | 972443   | 981453   | 0.86   | cps   |
| Antimony   | 121-1 | 22136    | 22779    | 22662    | 22525    | 1.52   | cps   |
| Arsenic    | 75-1  | 6902     | 7302     | 6802     | 7002     | 3.78   | cps   |
| Barium     | 135-1 | 3609     | 3892     | 3609     | 3703     | 4.42   | cps   |
| Barium     | 137-1 | 6052     | 6335     | 5626     | 6004     | 5.94   | cps   |
| Beryllium  | 9-1   | 983      | 878      | 817      | 893      | 9.45   | cps   |
| Bismuth    | 209-1 | 6270028  | 6190715  | 6339624  | 6266789  | 1.19   | cps   |
| Bismuth    | 209-2 | 2257310  | 2265083  | 2118523  | 2213639  | 3.73   | cps   |
| Boron      | 11-1  | 6052     | 5685     | 5351     | 5696     | 6.15   | cps   |
| Boron      | 10-1  | 1400     | 1033     | 1100     | 1178     | 16.58  | cps   |
| Cadmium    | 106-1 | 3617     | 3417     | 3301     | 3445     | 4.65   | cps   |
| Cadmium    | 108-1 | 2934     | 2717     | 2775     | 2809     | 3.99   | cps   |
| Cadmium    | 111-1 | 3842     | 3920     | 3643     | 3801     | 3.75   | cps   |
| Calcium    | 43-1  | 3271776  | 3243297  | 3263566  | 3259546  | 0.45   | cps   |
| Calcium    | 44-1  | 52704337 | 52575543 | 52769683 | 52683188 | 0.19   | cps   |
| Chromium   | 52-2  | 26686    | 25914    | 25918    | 26172    | 1.70   | cps   |
| Cobalt     | 59-2  | 3227     | 3244     | 3204     | 3225     | 0.62   | cps   |
| Copper     | 63-2  | 21460    | 20268    | 20385    | 20705    | 3.17   | cps   |
| Dysprosium | 156-1 | 0        | 92       | 25       | 39       | 121.85 | cps   |
| Dysprosium | 156-2 | 3        | 0        | 10       | 4        | 114.60 | cps   |
| Erbium     | 164-1 | 100      | 100      | 100      | 100      | 0.01   | cps   |
| Erbium     | 164-2 | 3        | 20       | 20       | 14       | 66.64  | cps   |
| Gadolinium | 160-1 | 183      | 192      | 175      | 183      | 4.55   | cps   |
| Gadolinium | 160-2 | 17       | 13       | 33       | 21       | 50.75  | cps   |
| Holmium    | 165-1 | 10350278 | 10244259 | 10642866 | 10412468 | 1.98   | cps   |
| Holmium    | 165-2 | 2926381  | 2898952  | 2723171  | 2849501  | 3.87   | cps   |
| Indium     | 115-1 | 8810471  | 8747670  | 9048009  | 8868717  | 1.79   | cps   |
| Indium     | 115-2 | 448742   | 450735   | 423743   | 441073   | 3.41   | cps   |
| Iron       | 56-2  | 91328355 | 90715830 | 90380080 | 90808088 | 0.53   | cps   |
| Iron       | 57-2  | 2296718  | 2296067  | 2289878  | 2294221  | 0.16   | cps   |
| Krypton    | 83-1  | 1200     | 1123     | 1207     | 1177     | 3.94   | cps   |
| Lead       | 207-1 | 25343    | 26907    | 25866    | 26038    | 3.06   | cps   |
| Lead       | 208-1 | 122260   | 123186   | 121791   | 122412   | 0.58   | cps   |
| Lead       | 206-1 | 32258    | 32877    | 32019    | 32385    | 1.37   | cps   |
| Lithium    | 6-1   | 2208331  | 2166327  | 2293408  | 2222689  | 2.91   | cps   |
| Magnesium  | 24-2  | 4757715  | 4725279  | 4698182  | 4727059  | 0.63   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P8  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:15:54 DataFile Name : 015ICSA01.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 2790     | 3014     | 3167     | 2990     | 6.34   | cps   |
| Molybdenum | 94-1  | 6027390  | 6001987  | 6034382  | 6021253  | 0.28   | cps   |
| Molybdenum | 95-1  | 10634617 | 10599435 | 10678134 | 10637395 | 0.37   | cps   |
| Molybdenum | 96-1  | 11274378 | 11284682 | 11449509 | 11336190 | 0.87   | cps   |
| Molybdenum | 97-1  | 6613232  | 6580028  | 6683904  | 6625721  | 0.80   | cps   |
| Molybdenum | 98-1  | 17064085 | 16917697 | 17109868 | 17030550 | 0.59   | cps   |
| Neodymium  | 150-1 | 33       | 47       | 53       | 44       | 22.92  | cps   |
| Neodymium  | 150-2 | 0        | 10       | 13       | 8        | 89.21  | cps   |
| Nickel     | 60-2  | 4551     | 4434     | 4431     | 4472     | 1.53   | cps   |
| Phosphorus | 31-2  | 76667    | 75922    | 73198    | 75262    | 2.43   | cps   |
| Potassium  | 39-2  | 2576671  | 2554567  | 2502623  | 2544620  | 1.49   | cps   |
| Rhodium    | 103-1 | 8560808  | 8358754  | 8743559  | 8554373  | 2.25   | cps   |
| Rhodium    | 103-2 | 2485919  | 2485930  | 2380397  | 2450749  | 2.49   | cps   |
| Scandium   | 45-1  | 6347827  | 6253424  | 6495276  | 6365509  | 1.91   | cps   |
| Scandium   | 45-2  | 49166    | 50340    | 45881    | 48462    | 4.77   | cps   |
| Selenium   | 77-2  | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 7        | 0        | 6        | 4        | 89.21  | cps   |
| Selenium   | 82-1  | 10       | 120      | 90       | 73       | 77.72  | cps   |
| Silicon    | 28-1  | 585051   | 578813   | 578900   | 580921   | 0.62   | cps   |
| Silver     | 109-1 | 5751     | 5968     | 5810     | 5843     | 1.92   | cps   |
| Silver     | 107-1 | 6052     | 6185     | 5543     | 5927     | 5.72   | cps   |
| Sodium     | 23-2  | 10676606 | 10567454 | 10479933 | 10574665 | 0.93   | cps   |
| Strontium  | 86-1  | 115502   | 117131   | 115905   | 116179   | 0.73   | cps   |
| Strontium  | 88-1  | 999711   | 995346   | 999287   | 998114   | 0.24   | cps   |
| Sulfur     | 34-1  | 5034144  | 4980588  | 4980727  | 4998486  | 0.62   | cps   |
| Terbium    | 159-1 | 10713017 | 10575147 | 11054428 | 10780864 | 2.29   | cps   |
| Terbium    | 159-2 | 2837959  | 2870971  | 2698368  | 2802432  | 3.27   | cps   |
| Thallium   | 203-1 | 683      | 642      | 558      | 628      | 10.14  | cps   |
| Thallium   | 205-1 | 1483     | 1417     | 1083     | 1328     | 16.14  | cps   |
| Tin        | 118-1 | 2150     | 2159     | 2259     | 2189     | 2.75   | cps   |
| Titanium   | 47-1  | 3248070  | 3250985  | 3240561  | 3246539  | 0.17   | cps   |
| Uranium    | 238-1 | 417      | 408      | 583      | 469      | 21.03  | cps   |
| Vanadium   | 51-2  | 113      | 153      | 157      | 141      | 17.09  | cps   |
| Yttrium    | 89-1  | 9917082  | 9914480  | 10127030 | 9986197  | 1.22   | cps   |
| Yttrium    | 89-2  | 339421   | 338160   | 319406   | 332329   | 3.37   | cps   |
| Zinc       | 66-2  | 2900     | 2877     | 2700     | 2826     | 3.87   | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB99014             | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P8          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2018-11-02 15:15:54 | DataFile Name :   | 015ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1267 | 1292 | 1258 | 1272    | 1.36   | cps   |
| Zirconium | 91-1 | 225  | 283  | 242  | 250     | 12.02  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:19:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 983423   | 981858   | 952909   | 972730   | 1.77   | cps   |
| Antimony   | 121-1 | 255053   | 252233   | 253031   | 253439   | 0.57   | cps   |
| Arsenic    | 75-1  | 74461    | 74812    | 75449    | 74907    | 0.67   | cps   |
| Barium     | 135-1 | 52789    | 53961    | 52003    | 52918    | 1.86   | cps   |
| Barium     | 137-1 | 92364    | 90601    | 91400    | 91455    | 0.97   | cps   |
| Beryllium  | 9-1   | 51236    | 50874    | 50656    | 50922    | 0.58   | cps   |
| Bismuth    | 209-1 | 6399146  | 6232755  | 6141198  | 6257700  | 2.09   | cps   |
| Bismuth    | 209-2 | 1955814  | 2148801  | 2242561  | 2115725  | 6.91   | cps   |
| Boron      | 11-1  | 95425    | 92137    | 93269    | 93610    | 1.78   | cps   |
| Boron      | 10-1  | 18579    | 18938    | 18921    | 18813    | 1.08   | cps   |
| Cadmium    | 106-1 | 11097    | 11497    | 11205    | 11266    | 1.84   | cps   |
| Cadmium    | 108-1 | 7490     | 7415     | 7444     | 7449     | 0.51   | cps   |
| Cadmium    | 111-1 | 62019    | 61552    | 62005    | 61858    | 0.43   | cps   |
| Calcium    | 43-1  | 3277359  | 3269757  | 3290101  | 3279072  | 0.31   | cps   |
| Calcium    | 44-1  | 52758527 | 52623987 | 52798508 | 52727007 | 0.17   | cps   |
| Chromium   | 52-2  | 52779    | 51749    | 50468    | 51665    | 2.24   | cps   |
| Cobalt     | 59-2  | 57753    | 58800    | 56916    | 57823    | 1.63   | cps   |
| Copper     | 63-2  | 69335    | 68297    | 67855    | 68496    | 1.11   | cps   |
| Dysprosium | 156-1 | 100      | 17       | 58       | 58       | 71.43  | cps   |
| Dysprosium | 156-2 | 3        | 10       | 10       | 8        | 49.52  | cps   |
| Erbium     | 164-1 | 100      | 58       | 67       | 75       | 29.40  | cps   |
| Erbium     | 164-2 | 20       | 7        | 30       | 19       | 61.96  | cps   |
| Gadolinium | 160-1 | 175      | 167      | 183      | 175      | 4.76   | cps   |
| Gadolinium | 160-2 | 30       | 27       | 20       | 26       | 19.92  | cps   |
| Holmium    | 165-1 | 10763613 | 10518202 | 10113430 | 10465082 | 3.14   | cps   |
| Holmium    | 165-2 | 2493570  | 2737241  | 2847802  | 2692871  | 6.73   | cps   |
| Indium     | 115-1 | 8994577  | 8826935  | 8611753  | 8811088  | 2.18   | cps   |
| Indium     | 115-2 | 386965   | 426762   | 441325   | 418351   | 6.73   | cps   |
| Iron       | 56-2  | 91084633 | 89532438 | 88980424 | 89865832 | 1.21   | cps   |
| Iron       | 57-2  | 2337471  | 2293116  | 2252478  | 2294355  | 1.85   | cps   |
| Krypton    | 83-1  | 1250     | 1190     | 1227     | 1222     | 2.47   | cps   |
| Lead       | 207-1 | 140836   | 140841   | 139206   | 140294   | 0.67   | cps   |
| Lead       | 208-1 | 653635   | 653018   | 653551   | 653401   | 0.05   | cps   |
| Lead       | 206-1 | 168044   | 168555   | 167219   | 167939   | 0.40   | cps   |
| Lithium    | 6-1   | 2250556  | 2191262  | 2161954  | 2201257  | 2.05   | cps   |
| Magnesium  | 24-2  | 4752768  | 4726472  | 4562690  | 4680643  | 2.20   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:19:11 | DataFile Name :   | 016ICSB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 10557    | 10591    | 10037    | 10395    | 2.99   | cps   |
| Molybdenum | 94-1  | 6529801  | 6471020  | 6525866  | 6508896  | 0.50   | cps   |
| Molybdenum | 95-1  | 10871046 | 10782033 | 10911122 | 10854733 | 0.61   | cps   |
| Molybdenum | 96-1  | 11738197 | 11554773 | 11694161 | 11662377 | 0.82   | cps   |
| Molybdenum | 97-1  | 6825778  | 6699195  | 6848376  | 6791116  | 1.18   | cps   |
| Molybdenum | 98-1  | 17538057 | 17263820 | 17699749 | 17500542 | 1.26   | cps   |
| Neodymium  | 150-1 | 67       | 67       | 27       | 53       | 43.30  | cps   |
| Neodymium  | 150-2 | 7        | 7        | 3        | 6        | 34.70  | cps   |
| Nickel     | 60-2  | 20472    | 20756    | 20108    | 20445    | 1.59   | cps   |
| Phosphorus | 31-2  | 74169    | 75418    | 72930    | 74173    | 1.68   | cps   |
| Potassium  | 39-2  | 2572307  | 2528522  | 2482702  | 2527843  | 1.77   | cps   |
| Rhodium    | 103-1 | 8716102  | 8426433  | 8336201  | 8492912  | 2.34   | cps   |
| Rhodium    | 103-2 | 2147286  | 2375967  | 2485048  | 2336100  | 7.38   | cps   |
| Scandium   | 45-1  | 6610020  | 6383355  | 6213075  | 6402150  | 3.11   | cps   |
| Scandium   | 45-2  | 42388    | 46784    | 49246    | 46139    | 7.53   | cps   |
| Selenium   | 77-2  | 30       | 17       | 37       | 28       | 36.66  | cps   |
| Selenium   | 78-2  | 102      | 85       | 80       | 89       | 13.01  | cps   |
| Selenium   | 82-1  | 3869     | 4029     | 3757     | 3885     | 3.53   | cps   |
| Silicon    | 28-1  | 1003480  | 1005377  | 964065   | 990974   | 2.35   | cps   |
| Silver     | 109-1 | 246351   | 249735   | 249712   | 248600   | 0.78   | cps   |
| Silver     | 107-1 | 261136   | 260081   | 262619   | 261279   | 0.49   | cps   |
| Sodium     | 23-2  | 10678597 | 10580172 | 10325304 | 10528024 | 1.73   | cps   |
| Strontium  | 86-1  | 287988   | 287383   | 290642   | 288671   | 0.60   | cps   |
| Strontium  | 88-1  | 2516136  | 2511825  | 2518083  | 2515348  | 0.13   | cps   |
| Sulfur     | 34-1  | 4906528  | 4961465  | 4947054  | 4938349  | 0.58   | cps   |
| Terbium    | 159-1 | 11314639 | 10797102 | 10540272 | 10884004 | 3.62   | cps   |
| Terbium    | 159-2 | 2461208  | 2698950  | 2837872  | 2666010  | 7.14   | cps   |
| Thallium   | 203-1 | 170059   | 171866   | 170561   | 170829   | 0.55   | cps   |
| Thallium   | 205-1 | 402581   | 402734   | 403752   | 403022   | 0.16   | cps   |
| Tin        | 118-1 | 437776   | 436105   | 438645   | 437509   | 0.30   | cps   |
| Titanium   | 47-1  | 3370606  | 3307329  | 3340078  | 3339338  | 0.95   | cps   |
| Uranium    | 238-1 | 1550958  | 1539431  | 1494356  | 1528248  | 1.96   | cps   |
| Vanadium   | 51-2  | 18315    | 18045    | 19030    | 18463    | 2.76   | cps   |
| Yttrium    | 89-1  | 10246407 | 9995799  | 9716747  | 9986318  | 2.65   | cps   |
| Yttrium    | 89-2  | 291423   | 322583   | 333893   | 315966   | 6.96   | cps   |
| Zinc       | 66-2  | 7632     | 8022     | 7512     | 7722     | 3.46   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P8        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:19:11 | DataFile Name :   | 016ICSB.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zirconium | 90-1 | 960657 | 952207 | 964043 | 958969  | 0.64   | cps   |
| Zirconium | 91-1 | 212104 | 212307 | 216269 | 213560  | 1.10   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 15:22:27 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 591947    | 598967    | 592607    | 594507    | 0.65   | cps   |
| Antimony   | 121-1 | 5807758   | 5761192   | 5822122   | 5797024   | 0.55   | cps   |
| Arsenic    | 75-1  | 1771953   | 1752877   | 1771592   | 1765474   | 0.62   | cps   |
| Barium     | 135-1 | 6060952   | 6051410   | 6076500   | 6062954   | 0.21   | cps   |
| Barium     | 137-1 | 10638477  | 10552915  | 10621131  | 10604174  | 0.43   | cps   |
| Beryllium  | 9-1   | 1270910   | 1292942   | 1249943   | 1271265   | 1.69   | cps   |
| Bismuth    | 209-1 | 5783318   | 5713113   | 5767547   | 5754659   | 0.64   | cps   |
| Bismuth    | 209-2 | 2032327   | 2110718   | 2085996   | 2076347   | 1.93   | cps   |
| Boron      | 11-1  | 748553    | 768402    | 774445    | 763800    | 1.77   | cps   |
| Boron      | 10-1  | 152670    | 157522    | 156387    | 155526    | 1.63   | cps   |
| Cadmium    | 106-1 | 160353    | 159189    | 162005    | 160516    | 0.88   | cps   |
| Cadmium    | 108-1 | 107054    | 106361    | 106239    | 106551    | 0.41   | cps   |
| Cadmium    | 111-1 | 1414553   | 1420140   | 1430107   | 1421600   | 0.55   | cps   |
| Calcium    | 43-1  | 8235298   | 8301203   | 8310757   | 8282419   | 0.50   | cps   |
| Calcium    | 44-1  | 133870282 | 135650628 | 135077361 | 134866091 | 0.67   | cps   |
| Chromium   | 52-2  | 702499    | 695778    | 699997    | 699425    | 0.49   | cps   |
| Cobalt     | 59-2  | 1403579   | 1416714   | 1407683   | 1409325   | 0.48   | cps   |
| Copper     | 63-2  | 2407610   | 2433122   | 2405763   | 2415498   | 0.63   | cps   |
| Dysprosium | 156-1 | 175       | 142       | 125       | 147       | 17.29  | cps   |
| Dysprosium | 156-2 | 23        | 23        | 23        | 23        | 0.00   | cps   |
| Erbium     | 164-1 | 67        | 42        | 42        | 50        | 28.87  | cps   |
| Erbium     | 164-2 | 7         | 10        | 7         | 8         | 24.71  | cps   |
| Gadolinium | 160-1 | 150       | 175       | 108       | 144       | 23.32  | cps   |
| Gadolinium | 160-2 | 33        | 37        | 47        | 39        | 17.85  | cps   |
| Holmium    | 165-1 | 9775033   | 9720086   | 9731448   | 9742189   | 0.30   | cps   |
| Holmium    | 165-2 | 2646648   | 2785667   | 2738674   | 2723663   | 2.60   | cps   |
| Indium     | 115-1 | 8165847   | 8123160   | 8267577   | 8185528   | 0.91   | cps   |
| Indium     | 115-2 | 406723    | 427222    | 425321    | 419756    | 2.70   | cps   |
| Iron       | 56-2  | 118413592 | 118685978 | 117178061 | 118092543 | 0.68   | cps   |
| Iron       | 57-2  | 2982423   | 3015033   | 2994043   | 2997166   | 0.55   | cps   |
| Krypton    | 83-1  | 1210      | 1240      | 1257      | 1236      | 1.91   | cps   |
| Lead       | 207-1 | 3040913   | 3030166   | 3047911   | 3039663   | 0.29   | cps   |
| Lead       | 208-1 | 13449082  | 13339278  | 13510179  | 13432846  | 0.64   | cps   |
| Lead       | 206-1 | 3319504   | 3251669   | 3323512   | 3298228   | 1.22   | cps   |
| Lithium    | 6-1   | 2042301   | 2041655   | 2059598   | 2047851   | 0.50   | cps   |
| Magnesium  | 24-2  | 12083923  | 12141132  | 12038248  | 12087768  | 0.43   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 15:22:27 | DataFile Name :   | 017CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 395853   | 401810   | 396722   | 398128   | 0.81   | cps   |
| Molybdenum | 94-1  | 11304611 | 11291996 | 11274376 | 11290328 | 0.13   | cps   |
| Molybdenum | 95-1  | 13915336 | 14037425 | 13995166 | 13982642 | 0.44   | cps   |
| Molybdenum | 96-1  | 15298012 | 15514883 | 15608894 | 15473930 | 1.03   | cps   |
| Molybdenum | 97-1  | 8590001  | 8642154  | 8719567  | 8650574  | 0.75   | cps   |
| Molybdenum | 98-1  | 22108974 | 22320492 | 22422405 | 22283957 | 0.72   | cps   |
| Neodymium  | 150-1 | 433      | 400      | 500      | 444      | 11.46  | cps   |
| Neodymium  | 150-2 | 10       | 27       | 33       | 23       | 51.50  | cps   |
| Nickel     | 60-2  | 428653   | 431195   | 429243   | 429697   | 0.31   | cps   |
| Phosphorus | 31-2  | 7486     | 7919     | 7469     | 7625     | 3.35   | cps   |
| Potassium  | 39-2  | 3304554  | 3317809  | 3299983  | 3307449  | 0.28   | cps   |
| Rhodium    | 103-1 | 7910593  | 7859311  | 8029854  | 7933253  | 1.10   | cps   |
| Rhodium    | 103-2 | 2278027  | 2384648  | 2376702  | 2346459  | 2.53   | cps   |
| Scandium   | 45-1  | 6103818  | 6022029  | 6078406  | 6068085  | 0.69   | cps   |
| Scandium   | 45-2  | 47360    | 49758    | 48861    | 48660    | 2.49   | cps   |
| Selenium   | 77-2  | 577      | 530      | 567      | 558      | 4.41   | cps   |
| Selenium   | 78-2  | 2158     | 2200     | 2039     | 2132     | 3.92   | cps   |
| Selenium   | 82-1  | 96090    | 96793    | 96887    | 96590    | 0.45   | cps   |
| Silicon    | 28-1  | 3920470  | 3974273  | 4006203  | 3966982  | 1.09   | cps   |
| Silver     | 109-1 | 6297043  | 6321002  | 6268036  | 6295360  | 0.42   | cps   |
| Silver     | 107-1 | 6634414  | 6614745  | 6672601  | 6640587  | 0.44   | cps   |
| Sodium     | 23-2  | 27022194 | 27062857 | 26916109 | 27000387 | 0.28   | cps   |
| Strontium  | 86-1  | 1734973  | 1756839  | 1797735  | 1763183  | 1.81   | cps   |
| Strontium  | 88-1  | 14849398 | 14788688 | 14994326 | 14877471 | 0.71   | cps   |
| Sulfur     | 34-1  | 1203313  | 1219568  | 1240092  | 1220991  | 1.51   | cps   |
| Terbium    | 159-1 | 10226275 | 10173202 | 10299840 | 10233106 | 0.62   | cps   |
| Terbium    | 159-2 | 2621800  | 2741858  | 2712192  | 2691950  | 2.32   | cps   |
| Thallium   | 203-1 | 4160558  | 4198373  | 4185251  | 4181394  | 0.46   | cps   |
| Thallium   | 205-1 | 9687179  | 9658450  | 9778790  | 9708140  | 0.65   | cps   |
| Tin        | 118-1 | 4125810  | 4158047  | 4158935  | 4147597  | 0.46   | cps   |
| Titanium   | 47-1  | 4122867  | 4174208  | 4149494  | 4148857  | 0.62   | cps   |
| Uranium    | 238-1 | 13034211 | 13071616 | 13023031 | 13042953 | 0.20   | cps   |
| Vanadium   | 51-2  | 488244   | 488869   | 488630   | 488581   | 0.06   | cps   |
| Yttrium    | 89-1  | 9427641  | 9343025  | 9552974  | 9441214  | 1.12   | cps   |
| Yttrium    | 89-2  | 316547   | 330027   | 327243   | 324606   | 2.19   | cps   |
| Zinc       | 66-2  | 239105   | 242485   | 238050   | 239880   | 0.97   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV50               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV50               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 15:22:27 | DataFile Name :   | 017CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 9379665 | 9456974 | 9481321 | 9439320 | 0.56   | cps   |
| Zirconium | 91-1 | 2151248 | 2153684 | 2140420 | 2148451 | 0.33   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:29:14 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|----------|----------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 38       | 48       | 38      | 41      | 14.14  | cps   |
| Antimony   | 121-1 | 1659     | 1609     | 2100    | 1789    | 15.13  | cps   |
| Arsenic    | 75-1  | 375      | 392      | 492     | 419     | 15.04  | cps   |
| Barium     | 135-1 | 67       | 83       | 67      | 72      | 13.33  | cps   |
| Barium     | 137-1 | 92       | 108      | 75      | 92      | 18.18  | cps   |
| Beryllium  | 9-1   | 278      | 250      | 289     | 272     | 7.36   | cps   |
| Bismuth    | 209-1 | 6484949  | 6502719  | 5315662 | 6101110 | 11.15  | cps   |
| Bismuth    | 209-2 | 2439568  | 2379968  | 2402253 | 2407263 | 1.25   | cps   |
| Boron      | 11-1  | 7894     | 7536     | 7210    | 7547    | 4.53   | cps   |
| Boron      | 10-1  | 1583     | 1417     | 1600    | 1533    | 6.61   | cps   |
| Cadmium    | 106-1 | 3392     | 3634     | 2717    | 3248    | 14.63  | cps   |
| Cadmium    | 108-1 | 8        | 8        | 13      | 10      | 24.77  | cps   |
| Cadmium    | 111-1 | 2377     | 2546     | 1922    | 2282    | 14.14  | cps   |
| Calcium    | 43-1  | 1083     | 992      | 942     | 1006    | 7.15   | cps   |
| Calcium    | 44-1  | 40736    | 41028    | 39992   | 40585   | 1.32   | cps   |
| Chromium   | 52-2  | 513      | 487      | 507     | 502     | 2.76   | cps   |
| Cobalt     | 59-2  | 40       | 40       | 43      | 41      | 4.68   | cps   |
| Copper     | 63-2  | 1493     | 1543     | 1463    | 1500    | 2.69   | cps   |
| Dysprosium | 156-1 | 8        | 17       | 8       | 11      | 43.34  | cps   |
| Dysprosium | 156-2 | 7        | 0        | 0       | 2       | 173.21 | cps   |
| Erbium     | 164-1 | 58       | 42       | 8       | 36      | 70.51  | cps   |
| Erbium     | 164-2 | 13       | 3        | 3       | 7       | 86.65  | cps   |
| Gadolinium | 160-1 | 92       | 100      | 108     | 100     | 8.33   | cps   |
| Gadolinium | 160-2 | 27       | 10       | 10      | 16      | 61.87  | cps   |
| Holmium    | 165-1 | 10398910 | 10196366 | 8223253 | 9606176 | 12.51  | cps   |
| Holmium    | 165-2 | 2984796  | 2906676  | 2930670 | 2940714 | 1.36   | cps   |
| Indium     | 115-1 | 9038780  | 9014594  | 7256783 | 8436719 | 12.11  | cps   |
| Indium     | 115-2 | 484478   | 468279   | 474498  | 475752  | 1.72   | cps   |
| Iron       | 56-2  | 1578     | 1556     | 1722    | 1619    | 5.59   | cps   |
| Iron       | 57-2  | 33       | 39       | 56      | 43      | 27.16  | cps   |
| Krypton    | 83-1  | 1320     | 1080     | 1203    | 1201    | 9.99   | cps   |
| Lead       | 207-1 | 722      | 850      | 778     | 783     | 8.18   | cps   |
| Lead       | 208-1 | 3434     | 3734     | 3723    | 3630    | 4.69   | cps   |
| Lead       | 206-1 | 783      | 995      | 789     | 856     | 14.06  | cps   |
| Lithium    | 6-1   | 2240582  | 2225041  | 1844254 | 2103292 | 10.67  | cps   |
| Magnesium  | 24-2  | 183      | 208      | 208     | 200     | 7.22   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:29:14 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3    | CPSMean  | CPSRSD   | Units |
|------------|-------|----------|----------|---------|----------|----------|-------|
| Manganese  | 55-2  | 17       | 23       | 33      | 24       | 34.31    | cps   |
| Molybdenum | 94-1  | 658      | 833      | 650     | 714      | 14.50    | cps   |
| Molybdenum | 95-1  | 758      | 775      | 875     | 803      | 7.86     | cps   |
| Molybdenum | 96-1  | 825      | 908      | 858     | 864      | 4.86     | cps   |
| Molybdenum | 97-1  | 433      | 558      | 617     | 536      | 17.47    | cps   |
| Molybdenum | 98-1  | 933      | 1200     | 1158    | 1097     | 13.07    | cps   |
| Neodymium  | 150-1 | 0        | 13       | 20      | 11       | 91.66    | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0       | 1        | 173.21   | cps   |
| Nickel     | 60-2  | 97       | 77       | 93      | 89       | 12.05    | cps   |
| Phosphorus | 31-2  | 0        | 8        | 17      | 8        | 100.02   | cps   |
| Potassium  | 39-2  | 4601     | 4643     | 4759    | 4668     | 1.76     | cps   |
| Rhodium    | 103-1 | 9063209  | 8949628  | 7336769 | 8449868  | 11.43    | cps   |
| Rhodium    | 103-2 | 2726998  | 2654868  | 2701321 | 2694396  | 1.36     | cps   |
| Scandium   | 45-1  | 6386669  | 6383030  | 5224808 | 5998169  | 11.17    | cps   |
| Scandium   | 45-2  | 53354    | 49657    | 51120   | 51377    | 3.62     | cps   |
| Selenium   | 77-2  | 0        | 0        | 0       | 0        | 0.00     | cps   |
| Selenium   | 78-2  | 0        | 0        | 7       | 2        | 173.21   | cps   |
| Selenium   | 82-1  | -98      | 139      | -66     | -9       | -1503.21 | cps   |
| Silicon    | 28-1  | 367857   | 363429   | 366277  | 365854   | 0.61     | cps   |
| Silver     | 109-1 | 458      | 308      | 392     | 386      | 19.47    | cps   |
| Silver     | 107-1 | 433      | 500      | 550     | 494      | 11.84    | cps   |
| Sodium     | 23-2  | 10404    | 9729     | 10204   | 10112    | 3.43     | cps   |
| Strontium  | 86-1  | 2175     | 1917     | 1984    | 2025     | 6.62     | cps   |
| Strontium  | 88-1  | 708      | 825      | 808     | 781      | 8.08     | cps   |
| Sulfur     | 34-1  | 794012   | 785990   | 792075  | 790692   | 0.53     | cps   |
| Terbium    | 159-1 | 10827553 | 10771184 | 8657317 | 10085351 | 12.27    | cps   |
| Terbium    | 159-2 | 2961427  | 2844574  | 2912379 | 2906127  | 2.02     | cps   |
| Thallium   | 203-1 | 233      | 158      | 292     | 228      | 29.35    | cps   |
| Thallium   | 205-1 | 383      | 383      | 408     | 392      | 3.68     | cps   |
| Tin        | 118-1 | 842      | 808      | 858     | 836      | 3.04     | cps   |
| Titanium   | 47-1  | 142      | 175      | 167     | 161      | 10.77    | cps   |
| Uranium    | 238-1 | 58       | 50       | 17      | 42       | 52.91    | cps   |
| Vanadium   | 51-2  | 3        | 7        | 13      | 8        | 65.47    | cps   |
| Yttrium    | 89-1  | 10096504 | 10112868 | 8187558 | 9465643  | 11.69    | cps   |
| Yttrium    | 89-2  | 358094   | 345760   | 350289  | 351381   | 1.78     | cps   |
| Zinc       | 66-2  | 257      | 257      | 273     | 262      | 3.67     | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB50               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB50               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:29:14 | DataFile Name :   | 018CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 750  | 817  | 667  | 745     | 10.10  | cps   |
| Zirconium | 91-1 | 142  | 167  | 117  | 142     | 17.65  | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : CRI Instrumnet Name : P8  
 Client Sample ID : CRI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:32:36 DataFile Name : 019LLCC.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 303      | 290      | 290      | 294      | 2.45   | cps   |
| Antimony   | 121-1 | 26126    | 27321    | 26669    | 26705    | 2.24   | cps   |
| Arsenic    | 75-1  | 4509     | 3842     | 3817     | 4056     | 9.68   | cps   |
| Barium     | 135-1 | 26444    | 27538    | 26678    | 26887    | 2.14   | cps   |
| Barium     | 137-1 | 45646    | 46474    | 45521    | 45881    | 1.13   | cps   |
| Beryllium  | 9-1   | 3006     | 2861     | 3100     | 2989     | 4.03   | cps   |
| Bismuth    | 209-1 | 6343162  | 6404212  | 6483950  | 6410441  | 1.10   | cps   |
| Bismuth    | 209-2 | 2521945  | 2195074  | 2264339  | 2327120  | 7.40   | cps   |
| Boron      | 11-1  | 44637    | 46919    | 46577    | 46044    | 2.67   | cps   |
| Boron      | 10-1  | 8811     | 9762     | 9654     | 9409     | 5.53   | cps   |
| Cadmium    | 106-1 | 3542     | 3592     | 3676     | 3603     | 1.87   | cps   |
| Cadmium    | 108-1 | 217      | 304      | 313      | 278      | 19.11  | cps   |
| Cadmium    | 111-1 | 5533     | 5348     | 5388     | 5423     | 1.79   | cps   |
| Calcium    | 43-1  | 18797    | 19681    | 19448    | 19308    | 2.37   | cps   |
| Calcium    | 44-1  | 343040   | 345551   | 341049   | 343213   | 0.66   | cps   |
| Chromium   | 52-2  | 3611     | 3837     | 3841     | 3763     | 3.50   | cps   |
| Cobalt     | 59-2  | 3127     | 3274     | 3397     | 3266     | 4.14   | cps   |
| Copper     | 63-2  | 6999     | 7115     | 7042     | 7052     | 0.84   | cps   |
| Dysprosium | 156-1 | 8        | 8        | 25       | 14       | 69.31  | cps   |
| Dysprosium | 156-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Erbium     | 164-1 | 67       | 67       | 42       | 58       | 24.74  | cps   |
| Erbium     | 164-2 | 17       | 3        | 27       | 16       | 75.27  | cps   |
| Gadolinium | 160-1 | 108      | 92       | 133      | 111      | 18.88  | cps   |
| Gadolinium | 160-2 | 13       | 13       | 13       | 13       | 0.00   | cps   |
| Holmium    | 165-1 | 10171079 | 10126128 | 10023233 | 10106813 | 0.75   | cps   |
| Holmium    | 165-2 | 3060071  | 2722492  | 2766531  | 2849698  | 6.44   | cps   |
| Indium     | 115-1 | 9025095  | 8952379  | 8995294  | 8990923  | 0.41   | cps   |
| Indium     | 115-2 | 502486   | 437787   | 446026   | 462100   | 7.62   | cps   |
| Iron       | 56-2  | 55182    | 55131    | 55706    | 55339    | 0.57   | cps   |
| Iron       | 57-2  | 1372     | 1378     | 1467     | 1406     | 3.77   | cps   |
| Krypton    | 83-1  | 1240     | 1210     | 1220     | 1223     | 1.25   | cps   |
| Lead       | 207-1 | 7458     | 7180     | 7591     | 7410     | 2.83   | cps   |
| Lead       | 208-1 | 33535    | 33485    | 33507    | 33509    | 0.07   | cps   |
| Lead       | 206-1 | 8570     | 7919     | 8264     | 8251     | 3.94   | cps   |
| Lithium    | 6-1   | 2227906  | 2242169  | 2223128  | 2231068  | 0.44   | cps   |
| Magnesium  | 24-2  | 26175    | 28430    | 28029    | 27544    | 4.37   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:32:36 | DataFile Name :   | 019LLCC.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 493      | 473      | 470      | 479      | 2.63   | cps   |
| Molybdenum | 94-1  | 25182    | 24623    | 24673    | 24826    | 1.25   | cps   |
| Molybdenum | 95-1  | 30727    | 31487    | 31112    | 31109    | 1.22   | cps   |
| Molybdenum | 96-1  | 33309    | 34194    | 33392    | 33632    | 1.45   | cps   |
| Molybdenum | 97-1  | 19097    | 18755    | 19239    | 19031    | 1.31   | cps   |
| Molybdenum | 98-1  | 50094    | 49533    | 49031    | 49553    | 1.07   | cps   |
| Neodymium  | 150-1 | 13       | 20       | 0        | 11       | 91.66  | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 1097     | 1130     | 1180     | 1136     | 3.69   | cps   |
| Phosphorus | 31-2  | 0        | 0        | 8        | 3        | 173.21 | cps   |
| Potassium  | 39-2  | 18947    | 19840    | 19014    | 19267    | 2.58   | cps   |
| Rhodium    | 103-1 | 8883159  | 9024207  | 8879982  | 8929116  | 0.92   | cps   |
| Rhodium    | 103-2 | 2826925  | 2475558  | 2536906  | 2613130  | 7.18   | cps   |
| Scandium   | 45-1  | 6446926  | 6453545  | 6425727  | 6442066  | 0.23   | cps   |
| Scandium   | 45-2  | 54523    | 47219    | 48587    | 50110    | 7.75   | cps   |
| Selenium   | 77-2  | 13       | 10       | 10       | 11       | 17.30  | cps   |
| Selenium   | 78-2  | 19       | 17       | 26       | 20       | 24.05  | cps   |
| Selenium   | 82-1  | 1087     | 1227     | 1158     | 1157     | 6.04   | cps   |
| Silicon    | 28-1  | 498880   | 496098   | 497674   | 497551   | 0.28   | cps   |
| Silver     | 109-1 | 15109    | 14784    | 13950    | 14614    | 4.09   | cps   |
| Silver     | 107-1 | 15835    | 15368    | 15410    | 15537    | 1.66   | cps   |
| Sodium     | 23-2  | 70735    | 70718    | 70576    | 70676    | 0.12   | cps   |
| Strontium  | 86-1  | 5810     | 5393     | 6185     | 5796     | 6.84   | cps   |
| Strontium  | 88-1  | 35338    | 34879    | 34737    | 34985    | 0.90   | cps   |
| Sulfur     | 34-1  | 804809   | 800866   | 806938   | 804204   | 0.38   | cps   |
| Terbium    | 159-1 | 10562194 | 10632001 | 10608754 | 10600983 | 0.34   | cps   |
| Terbium    | 159-2 | 3035092  | 2618552  | 2736139  | 2796594  | 7.68   | cps   |
| Thallium   | 203-1 | 9279     | 9454     | 9888     | 9540     | 3.29   | cps   |
| Thallium   | 205-1 | 21686    | 22387    | 22354    | 22142    | 1.79   | cps   |
| Tin        | 118-1 | 45747    | 46808    | 47695    | 46750    | 2.09   | cps   |
| Titanium   | 47-1  | 9395     | 9712     | 9212     | 9440     | 2.68   | cps   |
| Uranium    | 238-1 | 28626    | 28851    | 27815    | 28431    | 1.92   | cps   |
| Vanadium   | 51-2  | 5261     | 5188     | 5331     | 5260     | 1.36   | cps   |
| Yttrium    | 89-1  | 10017591 | 10100436 | 10023371 | 10047133 | 0.46   | cps   |
| Yttrium    | 89-2  | 369725   | 324743   | 330018   | 341495   | 7.20   | cps   |
| Zinc       | 66-2  | 1007     | 907      | 907      | 940      | 6.14   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P8        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:32:36 | DataFile Name :   | 019LLCC.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zirconium | 90-1 | 21150 | 21960 | 20541 | 21217   | 3.36   | cps   |
| Zirconium | 91-1 | 4834  | 4343  | 4943  | 4707    | 6.80   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01 Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:35:58 DataFile Name : 020SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 113      | 110      | 108      | 110      | 2.27   | cps   |
| Antimony   | 121-1 | 1292     | 1417     | 1408     | 1372     | 5.09   | cps   |
| Arsenic    | 75-1  | 1133     | 1008     | 1200     | 1114     | 8.74   | cps   |
| Barium     | 135-1 | 24983    | 25918    | 25309    | 25403    | 1.87   | cps   |
| Barium     | 137-1 | 44460    | 43506    | 45253    | 44406    | 1.97   | cps   |
| Beryllium  | 9-1   | 194      | 200      | 289      | 228      | 23.27  | cps   |
| Bismuth    | 209-1 | 6544529  | 6382250  | 6319339  | 6415373  | 1.81   | cps   |
| Bismuth    | 209-2 | 2280321  | 2214233  | 2232797  | 2242450  | 1.52   | cps   |
| Boron      | 11-1  | 13891    | 13957    | 13824    | 13891    | 0.48   | cps   |
| Boron      | 10-1  | 2875     | 3042     | 3251     | 3056     | 6.15   | cps   |
| Cadmium    | 106-1 | 3901     | 3292     | 3159     | 3451     | 11.46  | cps   |
| Cadmium    | 108-1 | 13       | 42       | 21       | 25       | 60.10  | cps   |
| Cadmium    | 111-1 | 2776     | 2338     | 2259     | 2458     | 11.33  | cps   |
| Calcium    | 43-1  | 2193153  | 2172868  | 2187988  | 2184669  | 0.48   | cps   |
| Calcium    | 44-1  | 34829223 | 34660117 | 34601288 | 34696876 | 0.34   | cps   |
| Chromium   | 52-2  | 1130     | 1233     | 1137     | 1167     | 4.96   | cps   |
| Cobalt     | 59-2  | 203      | 240      | 193      | 212      | 11.58  | cps   |
| Copper     | 63-2  | 193402   | 191216   | 191003   | 191874   | 0.69   | cps   |
| Dysprosium | 156-1 | 50       | 58       | 100      | 69       | 38.58  | cps   |
| Dysprosium | 156-2 | 3        | 13       | 10       | 9        | 57.30  | cps   |
| Erbium     | 164-1 | 83       | 67       | 108      | 86       | 24.35  | cps   |
| Erbium     | 164-2 | 33       | 17       | 43       | 31       | 43.29  | cps   |
| Gadolinium | 160-1 | 300      | 192      | 183      | 225      | 28.93  | cps   |
| Gadolinium | 160-2 | 20       | 43       | 27       | 30       | 40.05  | cps   |
| Holmium    | 165-1 | 10353100 | 10108622 | 10121732 | 10194485 | 1.35   | cps   |
| Holmium    | 165-2 | 2864312  | 2801280  | 2784452  | 2816681  | 1.49   | cps   |
| Indium     | 115-1 | 9385090  | 9008974  | 8937144  | 9110403  | 2.64   | cps   |
| Indium     | 115-2 | 456372   | 443366   | 448225   | 449321   | 1.46   | cps   |
| Iron       | 56-2  | 1535167  | 1551607  | 1508486  | 1531753  | 1.42   | cps   |
| Iron       | 57-2  | 37748    | 36187    | 37925    | 37287    | 2.56   | cps   |
| Krypton    | 83-1  | 1260     | 1200     | 1220     | 1227     | 2.49   | cps   |
| Lead       | 207-1 | 47400    | 46893    | 47428    | 47240    | 0.64   | cps   |
| Lead       | 208-1 | 218891   | 220609   | 220834   | 220111   | 0.48   | cps   |
| Lead       | 206-1 | 55578    | 56939    | 56414    | 56310    | 1.22   | cps   |
| Lithium    | 6-1   | 2266222  | 2248487  | 2249440  | 2254716  | 0.44   | cps   |
| Magnesium  | 24-2  | 1325096  | 1285137  | 1309696  | 1306643  | 1.54   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01 Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:35:58 DataFile Name : 020SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 22428    | 22278    | 22174    | 22294    | 0.57   | cps   |
| Molybdenum | 94-1  | 3126     | 3184     | 2875     | 3062     | 5.35   | cps   |
| Molybdenum | 95-1  | 4676     | 4918     | 4976     | 4857     | 3.28   | cps   |
| Molybdenum | 96-1  | 5151     | 5635     | 4901     | 5229     | 7.13   | cps   |
| Molybdenum | 97-1  | 3267     | 2951     | 3134     | 3117     | 5.10   | cps   |
| Molybdenum | 98-1  | 7703     | 8211     | 7444     | 7786     | 5.01   | cps   |
| Neodymium  | 150-1 | 53       | 87       | 73       | 71       | 23.59  | cps   |
| Neodymium  | 150-2 | 7        | 3        | 0        | 3        | 100.05 | cps   |
| Nickel     | 60-2  | 917      | 800      | 733      | 817      | 11.36  | cps   |
| Phosphorus | 31-2  | 25       | 17       | 17       | 19       | 24.73  | cps   |
| Potassium  | 39-2  | 24764    | 24656    | 25107    | 24842    | 0.95   | cps   |
| Rhodium    | 103-1 | 8990936  | 8767798  | 8753449  | 8837394  | 1.51   | cps   |
| Rhodium    | 103-2 | 2556327  | 2486885  | 2504164  | 2515792  | 1.44   | cps   |
| Scandium   | 45-1  | 6708711  | 6478940  | 6503045  | 6563565  | 1.92   | cps   |
| Scandium   | 45-2  | 49454    | 48503    | 48430    | 48796    | 1.17   | cps   |
| Selenium   | 77-2  | 0        | 3        | 0        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 2        | 0        | 6        | 2        | 114.63 | cps   |
| Selenium   | 82-1  | -12      | 0        | -13      | -8       | -86.62 | cps   |
| Silicon    | 28-1  | 37370666 | 37473552 | 37372794 | 37405671 | 0.16   | cps   |
| Silver     | 109-1 | 967      | 825      | 933      | 908      | 8.15   | cps   |
| Silver     | 107-1 | 1000     | 900      | 983      | 961      | 5.57   | cps   |
| Sodium     | 23-2  | 1445679  | 1410200  | 1430913  | 1428931  | 1.25   | cps   |
| Strontium  | 86-1  | 1194436  | 1195407  | 1207850  | 1199231  | 0.62   | cps   |
| Strontium  | 88-1  | 10395823 | 10303913 | 10362438 | 10354058 | 0.45   | cps   |
| Sulfur     | 34-1  | 1247519  | 1251826  | 1258945  | 1252763  | 0.46   | cps   |
| Terbium    | 159-1 | 11015083 | 10663098 | 10638871 | 10772351 | 1.95   | cps   |
| Terbium    | 159-2 | 2831084  | 2763258  | 2771935  | 2788759  | 1.32   | cps   |
| Thallium   | 203-1 | 275      | 458      | 442      | 392      | 25.89  | cps   |
| Thallium   | 205-1 | 858      | 867      | 825      | 850      | 2.59   | cps   |
| Tin        | 118-1 | 8403     | 8653     | 8937     | 8664     | 3.08   | cps   |
| Titanium   | 47-1  | 767      | 717      | 725      | 736      | 3.64   | cps   |
| Uranium    | 238-1 | 44799    | 44706    | 44865    | 44790    | 0.18   | cps   |
| Vanadium   | 51-2  | 393      | 337      | 300      | 343      | 13.70  | cps   |
| Yttrium    | 89-1  | 10322914 | 9987407  | 10077314 | 10129212 | 1.71   | cps   |
| Yttrium    | 89-2  | 341268   | 328571   | 334271   | 334703   | 1.90   | cps   |
| Zinc       | 66-2  | 29264    | 28717    | 28653    | 28878    | 1.16   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01             | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:35:58  | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1142 | 1092 | 1150 | 1128    | 2.80   | cps   |
| Zirconium | 91-1 | 133  | 258  | 242  | 211     | 32.15  | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-02 Instrumnet Name : P8  
 Client Sample ID : 381018189-POST-TREA Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:39:17 DataFile Name : 021LCS6.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 85       | 108      | 100      | 98       | 11.75  | cps   |
| Antimony   | 121-1 | 975      | 1125     | 1000     | 1033     | 7.78   | cps   |
| Arsenic    | 75-1  | 1067     | 900      | 1217     | 1061     | 14.93  | cps   |
| Barium     | 135-1 | 25818    | 25592    | 25968    | 25793    | 0.73   | cps   |
| Barium     | 137-1 | 44676    | 45404    | 44400    | 44827    | 1.16   | cps   |
| Beryllium  | 9-1   | 272      | 294      | 194      | 254      | 20.70  | cps   |
| Bismuth    | 209-1 | 6096183  | 6091462  | 6258266  | 6148637  | 1.54   | cps   |
| Bismuth    | 209-2 | 2455653  | 2414160  | 2363058  | 2410957  | 1.92   | cps   |
| Boron      | 11-1  | 13382    | 13048    | 13207    | 13212    | 1.26   | cps   |
| Boron      | 10-1  | 2550     | 2709     | 2625     | 2628     | 3.01   | cps   |
| Cadmium    | 106-1 | 3601     | 3117     | 3476     | 3398     | 7.39   | cps   |
| Cadmium    | 108-1 | 38       | 8        | 21       | 22       | 65.86  | cps   |
| Cadmium    | 111-1 | 2507     | 2201     | 2456     | 2388     | 6.86   | cps   |
| Calcium    | 43-1  | 2194772  | 2160635  | 2183415  | 2179607  | 0.80   | cps   |
| Calcium    | 44-1  | 34733079 | 34666558 | 34806906 | 34735514 | 0.20   | cps   |
| Chromium   | 52-2  | 1427     | 1360     | 1240     | 1342     | 7.05   | cps   |
| Cobalt     | 59-2  | 287      | 247      | 283      | 272      | 8.15   | cps   |
| Copper     | 63-2  | 69975    | 68471    | 68595    | 69014    | 1.21   | cps   |
| Dysprosium | 156-1 | 75       | 58       | 75       | 69       | 13.85  | cps   |
| Dysprosium | 156-2 | 33       | 27       | 13       | 24       | 41.66  | cps   |
| Erbium     | 164-1 | 92       | 175      | 192      | 153      | 35.07  | cps   |
| Erbium     | 164-2 | 27       | 37       | 50       | 38       | 30.98  | cps   |
| Gadolinium | 160-1 | 183      | 158      | 208      | 183      | 13.64  | cps   |
| Gadolinium | 160-2 | 27       | 40       | 40       | 36       | 21.64  | cps   |
| Holmium    | 165-1 | 9719608  | 9816479  | 9959550  | 9831879  | 1.23   | cps   |
| Holmium    | 165-2 | 3066275  | 3026887  | 2952487  | 3015216  | 1.92   | cps   |
| Indium     | 115-1 | 8589468  | 8589973  | 8817804  | 8665748  | 1.52   | cps   |
| Indium     | 115-2 | 489481   | 480259   | 475832   | 481857   | 1.45   | cps   |
| Iron       | 56-2  | 1670339  | 1623918  | 1648755  | 1647671  | 1.41   | cps   |
| Iron       | 57-2  | 40727    | 39941    | 40655    | 40441    | 1.07   | cps   |
| Krypton    | 83-1  | 1103     | 1143     | 1180     | 1142     | 3.36   | cps   |
| Lead       | 207-1 | 15204    | 15916    | 15349    | 15490    | 2.43   | cps   |
| Lead       | 208-1 | 71129    | 71011    | 72021    | 71387    | 0.77   | cps   |
| Lead       | 206-1 | 18703    | 18085    | 18164    | 18317    | 1.84   | cps   |
| Lithium    | 6-1   | 2170302  | 2184519  | 2225250  | 2193357  | 1.30   | cps   |
| Magnesium  | 24-2  | 1321087  | 1292262  | 1302453  | 1305267  | 1.12   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-02            | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018189-POST-TREA | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:39:17 | DataFile Name :   | 021LCS6.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 22465    | 23069    | 22592    | 22709    | 1.40   | cps   |
| Molybdenum | 94-1  | 2425     | 2409     | 2684     | 2506     | 6.15   | cps   |
| Molybdenum | 95-1  | 3792     | 3826     | 3642     | 3753     | 2.60   | cps   |
| Molybdenum | 96-1  | 3676     | 4226     | 3792     | 3898     | 7.44   | cps   |
| Molybdenum | 97-1  | 2525     | 2309     | 2275     | 2370     | 5.73   | cps   |
| Molybdenum | 98-1  | 6168     | 5910     | 5668     | 5915     | 4.23   | cps   |
| Neodymium  | 150-1 | 87       | 113      | 73       | 91       | 22.35  | cps   |
| Neodymium  | 150-2 | 17       | 23       | 17       | 19       | 20.36  | cps   |
| Nickel     | 60-2  | 743      | 693      | 633      | 690      | 7.98   | cps   |
| Phosphorus | 31-2  | 8        | 25       | 25       | 19       | 49.50  | cps   |
| Potassium  | 39-2  | 25900    | 24865    | 24865    | 25210    | 2.37   | cps   |
| Rhodium    | 103-1 | 8437006  | 8351760  | 8565143  | 8451303  | 1.27   | cps   |
| Rhodium    | 103-2 | 2737569  | 2693237  | 2645861  | 2692223  | 1.70   | cps   |
| Scandium   | 45-1  | 6163542  | 6334538  | 6360449  | 6286176  | 1.70   | cps   |
| Scandium   | 45-2  | 52976    | 52709    | 52237    | 52641    | 0.71   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 0        | 2        | 4        | 2        | 100.00 | cps   |
| Selenium   | 82-1  | 132      | 91       | 46       | 90       | 48.17  | cps   |
| Silicon    | 28-1  | 37173249 | 37490490 | 37243461 | 37302400 | 0.45   | cps   |
| Silver     | 109-1 | 517      | 600      | 533      | 550      | 8.02   | cps   |
| Silver     | 107-1 | 508      | 642      | 517      | 556      | 13.44  | cps   |
| Sodium     | 23-2  | 1449762  | 1436477  | 1438780  | 1441673  | 0.49   | cps   |
| Strontium  | 86-1  | 1196152  | 1200386  | 1210419  | 1202319  | 0.61   | cps   |
| Strontium  | 88-1  | 10363763 | 10362893 | 10451056 | 10392571 | 0.49   | cps   |
| Sulfur     | 34-1  | 1285717  | 1283461  | 1276684  | 1281954  | 0.37   | cps   |
| Terbium    | 159-1 | 10150719 | 10482147 | 10611402 | 10414756 | 2.28   | cps   |
| Terbium    | 159-2 | 3001389  | 2985935  | 2961513  | 2982946  | 0.67   | cps   |
| Thallium   | 203-1 | 358      | 333      | 367      | 353      | 4.92   | cps   |
| Thallium   | 205-1 | 1117     | 1017     | 908      | 1014     | 10.28  | cps   |
| Tin        | 118-1 | 7077     | 7077     | 10347    | 8167     | 23.11  | cps   |
| Titanium   | 47-1  | 792      | 733      | 825      | 783      | 5.92   | cps   |
| Uranium    | 238-1 | 44824    | 45919    | 47240    | 45994    | 2.63   | cps   |
| Vanadium   | 51-2  | 320      | 367      | 377      | 354      | 8.53   | cps   |
| Yttrium    | 89-1  | 9536797  | 9712982  | 9845358  | 9698379  | 1.60   | cps   |
| Yttrium    | 89-2  | 361131   | 355994   | 350270   | 355798   | 1.53   | cps   |
| Zinc       | 66-2  | 8806     | 8509     | 8546     | 8621     | 1.88   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-02            | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018189-POST-TREA | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:39:17 | DataFile Name :   | 021LCS6.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1167 | 1017 | 1258 | 1147    | 10.63  | cps   |
| Zirconium | 91-1 | 200  | 183  | 192  | 192     | 4.35   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01DUP Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:44:52 DataFile Name : 022SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 128      | 110      | 115      | 118      | 7.67   | cps   |
| Antimony   | 121-1 | 1075     | 1267     | 1142     | 1161     | 8.38   | cps   |
| Arsenic    | 75-1  | 900      | 1092     | 1250     | 1081     | 16.22  | cps   |
| Barium     | 135-1 | 26269    | 26018    | 25751    | 26013    | 1.00   | cps   |
| Barium     | 137-1 | 43999    | 44459    | 44761    | 44406    | 0.86   | cps   |
| Beryllium  | 9-1   | 278      | 194      | 228      | 233      | 17.98  | cps   |
| Bismuth    | 209-1 | 6484524  | 6274221  | 6229918  | 6329554  | 2.15   | cps   |
| Bismuth    | 209-2 | 2480850  | 2487647  | 2433775  | 2467424  | 1.19   | cps   |
| Boron      | 11-1  | 11830    | 11430    | 12139    | 11800    | 3.01   | cps   |
| Boron      | 10-1  | 2225     | 2750     | 2359     | 2445     | 11.16  | cps   |
| Cadmium    | 106-1 | 3734     | 3592     | 3426     | 3584     | 4.31   | cps   |
| Cadmium    | 108-1 | 29       | 29       | 54       | 38       | 38.49  | cps   |
| Cadmium    | 111-1 | 2664     | 2573     | 2439     | 2559     | 4.42   | cps   |
| Calcium    | 43-1  | 2160243  | 2134984  | 2166242  | 2153823  | 0.77   | cps   |
| Calcium    | 44-1  | 34490208 | 34149321 | 34792966 | 34477498 | 0.93   | cps   |
| Chromium   | 52-2  | 1207     | 1197     | 1163     | 1189     | 1.91   | cps   |
| Cobalt     | 59-2  | 207      | 183      | 170      | 187      | 9.94   | cps   |
| Copper     | 63-2  | 191391   | 190901   | 189530   | 190608   | 0.51   | cps   |
| Dysprosium | 156-1 | 83       | 58       | 67       | 69       | 18.33  | cps   |
| Dysprosium | 156-2 | 20       | 17       | 23       | 20       | 16.65  | cps   |
| Erbium     | 164-1 | 83       | 83       | 125      | 97       | 24.74  | cps   |
| Erbium     | 164-2 | 23       | 20       | 33       | 26       | 27.15  | cps   |
| Gadolinium | 160-1 | 192      | 175      | 175      | 181      | 5.33   | cps   |
| Gadolinium | 160-2 | 30       | 23       | 40       | 31       | 26.97  | cps   |
| Holmium    | 165-1 | 10387395 | 10063052 | 9994528  | 10148325 | 2.07   | cps   |
| Holmium    | 165-2 | 3058233  | 3074448  | 2999982  | 3044221  | 1.29   | cps   |
| Indium     | 115-1 | 9169669  | 8836025  | 8647820  | 8884505  | 2.97   | cps   |
| Indium     | 115-2 | 497285   | 489404   | 476900   | 487863   | 2.11   | cps   |
| Iron       | 56-2  | 1498959  | 1517542  | 1500359  | 1505620  | 0.69   | cps   |
| Iron       | 57-2  | 38582    | 37628    | 37719    | 37977    | 1.39   | cps   |
| Krypton    | 83-1  | 1317     | 1173     | 1163     | 1218     | 7.04   | cps   |
| Lead       | 207-1 | 47484    | 47584    | 48013    | 47694    | 0.59   | cps   |
| Lead       | 208-1 | 219597   | 220487   | 223932   | 221339   | 1.03   | cps   |
| Lead       | 206-1 | 56064    | 56995    | 56437    | 56499    | 0.83   | cps   |
| Lithium    | 6-1   | 2302605  | 2231529  | 2173044  | 2235726  | 2.90   | cps   |
| Magnesium  | 24-2  | 1292409  | 1288493  | 1301785  | 1294229  | 0.53   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01DUP          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:44:52  | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD   | Units |
|------------|-------|----------|----------|----------|----------|----------|-------|
| Manganese  | 55-2  | 22054    | 21256    | 21410    | 21574    | 1.96     | cps   |
| Molybdenum | 94-1  | 3476     | 3276     | 3009     | 3253     | 7.20     | cps   |
| Molybdenum | 95-1  | 4409     | 4751     | 4759     | 4640     | 4.31     | cps   |
| Molybdenum | 96-1  | 4901     | 5251     | 5452     | 5201     | 5.36     | cps   |
| Molybdenum | 97-1  | 3050     | 2925     | 2667     | 2881     | 6.79     | cps   |
| Molybdenum | 98-1  | 7227     | 7894     | 7302     | 7475     | 4.89     | cps   |
| Neodymium  | 150-1 | 60       | 87       | 60       | 69       | 22.35    | cps   |
| Neodymium  | 150-2 | 20       | 7        | 13       | 13       | 49.99    | cps   |
| Nickel     | 60-2  | 870      | 860      | 787      | 839      | 5.42     | cps   |
| Phosphorus | 31-2  | 8        | 0        | 8        | 6        | 86.60    | cps   |
| Potassium  | 39-2  | 24798    | 25299    | 24889    | 24995    | 1.07     | cps   |
| Rhodium    | 103-1 | 8922481  | 8503443  | 8330387  | 8585437  | 3.55     | cps   |
| Rhodium    | 103-2 | 2786751  | 2736635  | 2632194  | 2718526  | 2.90     | cps   |
| Scandium   | 45-1  | 6527124  | 6314855  | 6217530  | 6353170  | 2.49     | cps   |
| Scandium   | 45-2  | 54505    | 53043    | 51477    | 53009    | 2.86     | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00     | cps   |
| Selenium   | 78-2  | 0        | 0        | 2        | 1        | 173.21   | cps   |
| Selenium   | 82-1  | -127     | 11       | 93       | -8       | -1479.59 | cps   |
| Silicon    | 28-1  | 37277699 | 36752513 | 36963072 | 36997761 | 0.71     | cps   |
| Silver     | 109-1 | 650      | 583      | 717      | 650      | 10.26    | cps   |
| Silver     | 107-1 | 725      | 692      | 792      | 736      | 6.92     | cps   |
| Sodium     | 23-2  | 1428609  | 1415535  | 1425281  | 1423141  | 0.48     | cps   |
| Strontium  | 86-1  | 1209781  | 1189000  | 1195119  | 1197967  | 0.89     | cps   |
| Strontium  | 88-1  | 10500822 | 10257172 | 10308678 | 10355557 | 1.24     | cps   |
| Sulfur     | 34-1  | 1291351  | 1287195  | 1278689  | 1285745  | 0.50     | cps   |
| Terbium    | 159-1 | 10884384 | 10416658 | 10491601 | 10597548 | 2.37     | cps   |
| Terbium    | 159-2 | 3060905  | 3034055  | 2957736  | 3017566  | 1.77     | cps   |
| Thallium   | 203-1 | 292      | 342      | 350      | 328      | 9.62     | cps   |
| Thallium   | 205-1 | 675      | 742      | 800      | 739      | 8.47     | cps   |
| Tin        | 118-1 | 9120     | 8453     | 8920     | 8831     | 3.88     | cps   |
| Titanium   | 47-1  | 583      | 675      | 700      | 653      | 9.41     | cps   |
| Uranium    | 238-1 | 45033    | 45050    | 45225    | 45103    | 0.24     | cps   |
| Vanadium   | 51-2  | 343      | 280      | 367      | 330      | 13.59    | cps   |
| Yttrium    | 89-1  | 10217299 | 9714996  | 9586504  | 9839600  | 3.39     | cps   |
| Yttrium    | 89-2  | 365692   | 361946   | 353238   | 360292   | 1.77     | cps   |
| Zinc       | 66-2  | 29224    | 28883    | 28693    | 28934    | 0.93     | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01DUP          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:44:52  | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 1375 | 1267 | 1267 | 1303    | 4.80   | cps   |
| Zirconium | 91-1 | 325  | 400  | 283  | 336     | 17.59  | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01LX5 Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 5  
 Date & Time Acquired :: 2018-11-02 15:48:12 DataFile Name : 023SMPL.d

| Parameter  | Mass  | CPS1    | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|---------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 55      | 73       | 38       | 55       | 31.82  | cps   |
| Antimony   | 121-1 | 458     | 450      | 408      | 439      | 6.10   | cps   |
| Arsenic    | 75-1  | 425     | 542      | 475      | 481      | 12.18  | cps   |
| Barium     | 135-1 | 5126    | 5168     | 5168     | 5154     | 0.47   | cps   |
| Barium     | 137-1 | 9646    | 8687     | 8795     | 9042     | 5.81   | cps   |
| Beryllium  | 9-1   | 233     | 267      | 222      | 241      | 9.61   | cps   |
| Bismuth    | 209-1 | 6308714 | 6781262  | 6462632  | 6517536  | 3.70   | cps   |
| Bismuth    | 209-2 | 2461092 | 2447662  | 2264277  | 2391010  | 4.60   | cps   |
| Boron      | 11-1  | 5143    | 4809     | 4751     | 4901     | 4.31   | cps   |
| Boron      | 10-1  | 858     | 1075     | 958      | 964      | 11.25  | cps   |
| Cadmium    | 106-1 | 3434    | 3642     | 3609     | 3562     | 3.14   | cps   |
| Cadmium    | 108-1 | 21      | 13       | 21       | 18       | 26.64  | cps   |
| Cadmium    | 111-1 | 2427    | 2562     | 2524     | 2504     | 2.78   | cps   |
| Calcium    | 43-1  | 419339  | 413053   | 417322   | 416571   | 0.77   | cps   |
| Calcium    | 44-1  | 6835102 | 6822508  | 6734549  | 6797386  | 0.81   | cps   |
| Chromium   | 52-2  | 603     | 577      | 623      | 601      | 3.90   | cps   |
| Cobalt     | 59-2  | 83      | 103      | 107      | 98       | 12.90  | cps   |
| Copper     | 63-2  | 38527   | 38046    | 38995    | 38522    | 1.23   | cps   |
| Dysprosium | 156-1 | 25      | 50       | 58       | 44       | 39.04  | cps   |
| Dysprosium | 156-2 | 10      | 3        | 13       | 9        | 57.30  | cps   |
| Erbium     | 164-1 | 67      | 83       | 42       | 64       | 32.83  | cps   |
| Erbium     | 164-2 | 10      | 33       | 0        | 14       | 118.42 | cps   |
| Gadolinium | 160-1 | 133     | 158      | 83       | 125      | 30.55  | cps   |
| Gadolinium | 160-2 | 10      | 30       | 17       | 19       | 53.91  | cps   |
| Holmium    | 165-1 | 9926026 | 10475518 | 10216378 | 10205974 | 2.69   | cps   |
| Holmium    | 165-2 | 2974511 | 2970255  | 2749287  | 2898018  | 4.45   | cps   |
| Indium     | 115-1 | 8633965 | 9351145  | 8971143  | 8985418  | 3.99   | cps   |
| Indium     | 115-2 | 483176  | 481529   | 446788   | 470498   | 4.37   | cps   |
| Iron       | 56-2  | 293180  | 283359   | 296589   | 291043   | 2.36   | cps   |
| Iron       | 57-2  | 6730    | 7569     | 7886     | 7395     | 8.08   | cps   |
| Krypton    | 83-1  | 1177    | 1423     | 1247     | 1282     | 9.91   | cps   |
| Lead       | 207-1 | 9815    | 10254    | 10238    | 10102    | 2.46   | cps   |
| Lead       | 208-1 | 45633   | 46507    | 47091    | 46410    | 1.58   | cps   |
| Lead       | 206-1 | 11934   | 11633    | 11472    | 11680    | 2.01   | cps   |
| Lithium    | 6-1   | 2225243 | 2343042  | 2282168  | 2283485  | 2.58   | cps   |
| Magnesium  | 24-2  | 247224  | 246816   | 251114   | 248385   | 0.96   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01LX5          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-11-02 15:48:12  | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD  | Units |
|------------|-------|----------|----------|----------|----------|---------|-------|
| Manganese  | 55-2  | 4257     | 4117     | 4337     | 4237     | 2.63    | cps   |
| Molybdenum | 94-1  | 775      | 758      | 833      | 789      | 4.99    | cps   |
| Molybdenum | 95-1  | 1092     | 1133     | 1083     | 1103     | 2.43    | cps   |
| Molybdenum | 96-1  | 1108     | 1167     | 1150     | 1142     | 2.63    | cps   |
| Molybdenum | 97-1  | 650      | 600      | 658      | 636      | 4.96    | cps   |
| Molybdenum | 98-1  | 1659     | 1584     | 1650     | 1631     | 2.52    | cps   |
| Neodymium  | 150-1 | 0        | 20       | 20       | 13       | 86.60   | cps   |
| Neodymium  | 150-2 | 0        | 3        | 0        | 1        | 173.21  | cps   |
| Nickel     | 60-2  | 280      | 280      | 217      | 259      | 14.13   | cps   |
| Phosphorus | 31-2  | 8        | 0        | 0        | 3        | 173.21  | cps   |
| Potassium  | 39-2  | 8611     | 8219     | 7828     | 8219     | 4.77    | cps   |
| Rhodium    | 103-1 | 8508988  | 9162855  | 8716382  | 8796075  | 3.80    | cps   |
| Rhodium    | 103-2 | 2735763  | 2737834  | 2539793  | 2671130  | 4.26    | cps   |
| Scandium   | 45-1  | 6233641  | 6621369  | 6391689  | 6415566  | 3.04    | cps   |
| Scandium   | 45-2  | 51675    | 51210    | 47383    | 50089    | 4.70    | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00    | cps   |
| Selenium   | 78-2  | 4        | 2        | 0        | 2        | 100.00  | cps   |
| Selenium   | 82-1  | 16       | -180     | 26       | -46      | -252.63 | cps   |
| Silicon    | 28-1  | 7545979  | 7600825  | 7455806  | 7534203  | 0.97    | cps   |
| Silver     | 109-1 | 258      | 267      | 367      | 297      | 20.28   | cps   |
| Silver     | 107-1 | 308      | 292      | 217      | 272      | 17.94   | cps   |
| Sodium     | 23-2  | 279529   | 273617   | 277720   | 276955   | 1.09    | cps   |
| Strontium  | 86-1  | 235134   | 236038   | 237811   | 236328   | 0.58    | cps   |
| Strontium  | 88-1  | 2086975  | 2074577  | 2052482  | 2071345  | 0.84    | cps   |
| Sulfur     | 34-1  | 1003219  | 1004848  | 1009068  | 1005711  | 0.30    | cps   |
| Terbium    | 159-1 | 10378003 | 11209267 | 10719122 | 10768797 | 3.88    | cps   |
| Terbium    | 159-2 | 2942682  | 2927088  | 2736775  | 2868848  | 4.00    | cps   |
| Thallium   | 203-1 | 108      | 108      | 192      | 136      | 35.35   | cps   |
| Thallium   | 205-1 | 300      | 342      | 450      | 364      | 21.28   | cps   |
| Tin        | 118-1 | 2234     | 2292     | 2050     | 2192     | 5.75    | cps   |
| Titanium   | 47-1  | 300      | 333      | 300      | 311      | 6.18    | cps   |
| Uranium    | 238-1 | 8962     | 9020     | 8895     | 8959     | 0.70    | cps   |
| Vanadium   | 51-2  | 77       | 90       | 67       | 78       | 15.05   | cps   |
| Yttrium    | 89-1  | 9551204  | 10345440 | 9830627  | 9909090  | 4.07    | cps   |
| Yttrium    | 89-2  | 354800   | 353723   | 326909   | 345144   | 4.58    | cps   |
| Zinc       | 66-2  | 5975     | 5728     | 5741     | 5815     | 2.39    | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01LX5          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2018-11-02 15:48:12  | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 608  | 817  | 925  | 783     | 20.55  | cps   |
| Zirconium | 91-1 | 108  | 117  | 192  | 139     | 33.05  | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01MS Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:51:32 DataFile Name : 024SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 20480    | 20272    | 19914    | 20222    | 1.42   | cps   |
| Antimony   | 121-1 | 8912217  | 8927565  | 9052302  | 8964028  | 0.86   | cps   |
| Arsenic    | 75-1  | 2728295  | 2737267  | 2743699  | 2736420  | 0.28   | cps   |
| Barium     | 135-1 | 517183   | 525561   | 530467   | 524404   | 1.28   | cps   |
| Barium     | 137-1 | 908061   | 919120   | 928875   | 918685   | 1.13   | cps   |
| Beryllium  | 9-1   | 494816   | 497273   | 494314   | 495468   | 0.32   | cps   |
| Bismuth    | 209-1 | 6067019  | 6236753  | 6283617  | 6195796  | 1.84   | cps   |
| Bismuth    | 209-2 | 2190292  | 2180211  | 2114227  | 2161577  | 1.91   | cps   |
| Boron      | 11-1  | 464038   | 474131   | 490170   | 476113   | 2.77   | cps   |
| Boron      | 10-1  | 94535    | 97295    | 100877   | 97569    | 3.26   | cps   |
| Cadmium    | 106-1 | 54762    | 52863    | 54386    | 54004    | 1.86   | cps   |
| Cadmium    | 108-1 | 37711    | 37962    | 38188    | 37954    | 0.63   | cps   |
| Cadmium    | 111-1 | 569773   | 562612   | 577259   | 569881   | 1.29   | cps   |
| Calcium    | 43-1  | 2043997  | 2055337  | 2092628  | 2063987  | 1.23   | cps   |
| Calcium    | 44-1  | 32580669 | 32637162 | 33171562 | 32796465 | 0.99   | cps   |
| Chromium   | 52-2  | 508431   | 507309   | 506208   | 507316   | 0.22   | cps   |
| Cobalt     | 59-2  | 541006   | 536777   | 531869   | 536551   | 0.85   | cps   |
| Copper     | 63-2  | 901706   | 898627   | 886450   | 895595   | 0.90   | cps   |
| Dysprosium | 156-1 | 529261   | 537393   | 541479   | 536044   | 1.16   | cps   |
| Dysprosium | 156-2 | 13841    | 13677    | 13627    | 13715    | 0.81   | cps   |
| Erbium     | 164-1 | 150      | 150      | 125      | 142      | 10.19  | cps   |
| Erbium     | 164-2 | 37       | 40       | 40       | 39       | 4.94   | cps   |
| Gadolinium | 160-1 | 358      | 367      | 242      | 322      | 21.69  | cps   |
| Gadolinium | 160-2 | 33       | 57       | 23       | 38       | 45.29  | cps   |
| Holmium    | 165-1 | 9756768  | 10084616 | 10369053 | 10070146 | 3.04   | cps   |
| Holmium    | 165-2 | 2783325  | 2776290  | 2673881  | 2744499  | 2.23   | cps   |
| Indium     | 115-1 | 8344465  | 8573599  | 8765749  | 8561271  | 2.46   | cps   |
| Indium     | 115-2 | 424953   | 423415   | 410337   | 419568   | 1.91   | cps   |
| Iron       | 56-2  | 4528294  | 4549363  | 4482470  | 4520042  | 0.76   | cps   |
| Iron       | 57-2  | 114728   | 112304   | 111828   | 112953   | 1.38   | cps   |
| Krypton    | 83-1  | 1173     | 1273     | 1177     | 1208     | 4.70   | cps   |
| Lead       | 207-1 | 6161287  | 6191741  | 6196014  | 6183014  | 0.31   | cps   |
| Lead       | 208-1 | 27701974 | 27787865 | 27758390 | 27749410 | 0.16   | cps   |
| Lead       | 206-1 | 6760779  | 6866024  | 6824101  | 6816968  | 0.78   | cps   |
| Lithium    | 6-1   | 2149591  | 2247985  | 2291914  | 2229830  | 3.27   | cps   |
| Magnesium  | 24-2  | 1299673  | 1296311  | 1295307  | 1297097  | 0.18   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01MS Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:51:32 DataFile Name : 024SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 95285    | 94477    | 93584    | 94449    | 0.90   | cps   |
| Molybdenum | 94-1  | 1230997  | 1235249  | 1260815  | 1242354  | 1.30   | cps   |
| Molybdenum | 95-1  | 2196391  | 2194666  | 2247334  | 2212797  | 1.35   | cps   |
| Molybdenum | 96-1  | 2346755  | 2355058  | 2385349  | 2362388  | 0.86   | cps   |
| Molybdenum | 97-1  | 1357349  | 1355715  | 1357894  | 1356986  | 0.08   | cps   |
| Molybdenum | 98-1  | 3527335  | 3535970  | 3533344  | 3532217  | 0.13   | cps   |
| Neodymium  | 150-1 | 113      | 153      | 127      | 131      | 15.53  | cps   |
| Neodymium  | 150-2 | 17       | 33       | 27       | 26       | 32.81  | cps   |
| Nickel     | 60-2  | 404780   | 406536   | 403850   | 405055   | 0.34   | cps   |
| Phosphorus | 31-2  | 4326     | 4468     | 4409     | 4401     | 1.62   | cps   |
| Potassium  | 39-2  | 273950   | 269992   | 271037   | 271659   | 0.76   | cps   |
| Rhodium    | 103-1 | 8137498  | 8395024  | 8537211  | 8356578  | 2.42   | cps   |
| Rhodium    | 103-2 | 2469847  | 2464514  | 2355454  | 2429939  | 2.66   | cps   |
| Scandium   | 45-1  | 5866995  | 6081920  | 6228737  | 6059217  | 3.00   | cps   |
| Scandium   | 45-2  | 46570    | 47196    | 44718    | 46161    | 2.79   | cps   |
| Selenium   | 77-2  | 2364     | 2310     | 2380     | 2351     | 1.56   | cps   |
| Selenium   | 78-2  | 8297     | 7839     | 8119     | 8085     | 2.85   | cps   |
| Selenium   | 82-1  | 379627   | 381460   | 386725   | 382604   | 0.96   | cps   |
| Silicon    | 28-1  | 40406348 | 40314329 | 40666724 | 40462467 | 0.45   | cps   |
| Silver     | 109-1 | 974730   | 974377   | 988452   | 979186   | 0.82   | cps   |
| Silver     | 107-1 | 1013039  | 1025161  | 1023703  | 1020634  | 0.65   | cps   |
| Sodium     | 23-2  | 1685036  | 1670075  | 1661235  | 1672116  | 0.72   | cps   |
| Strontium  | 86-1  | 1815796  | 1825099  | 1824551  | 1821815  | 0.29   | cps   |
| Strontium  | 88-1  | 15428816 | 15425337 | 15714274 | 15522809 | 1.07   | cps   |
| Sulfur     | 34-1  | 1246421  | 1222458  | 1219287  | 1229389  | 1.21   | cps   |
| Terbium    | 159-1 | 10223691 | 10714557 | 10781639 | 10573296 | 2.88   | cps   |
| Terbium    | 159-2 | 2757420  | 2771061  | 2625178  | 2717886  | 2.96   | cps   |
| Thallium   | 203-1 | 16904026 | 17063717 | 17068103 | 17011949 | 0.55   | cps   |
| Thallium   | 205-1 | 40256183 | 40462803 | 40680212 | 40466400 | 0.52   | cps   |
| Tin        | 118-1 | 5774462  | 5831699  | 5854628  | 5820263  | 0.71   | cps   |
| Titanium   | 47-1  | 323257   | 324888   | 330125   | 326090   | 1.10   | cps   |
| Uranium    | 238-1 | 44572    | 44113    | 44213    | 44299    | 0.55   | cps   |
| Vanadium   | 51-2  | 275963   | 273804   | 270623   | 273463   | 0.98   | cps   |
| Yttrium    | 89-1  | 9272289  | 9597458  | 9773575  | 9547774  | 2.66   | cps   |
| Yttrium    | 89-2  | 320084   | 319999   | 306482   | 315521   | 2.48   | cps   |
| Zinc       | 66-2  | 72585    | 72622    | 71433    | 72213    | 0.94   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01MS           | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:51:32  | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 6927 | 6268 | 6827 | 6674    | 5.32   | cps   |
| Zirconium | 91-1 | 2992 | 2925 | 2650 | 2856    | 6.34   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01MSD Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:54:47 DataFile Name : 025SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 20335    | 19804    | 20417    | 20185    | 1.65   | cps   |
| Antimony   | 121-1 | 8975020  | 9210318  | 9119760  | 9101700  | 1.30   | cps   |
| Arsenic    | 75-1  | 2740964  | 2816848  | 2808964  | 2788925  | 1.50   | cps   |
| Barium     | 135-1 | 523345   | 536555   | 540670   | 533523   | 1.70   | cps   |
| Barium     | 137-1 | 924298   | 944799   | 948252   | 939116   | 1.38   | cps   |
| Beryllium  | 9-1   | 490144   | 505604   | 498346   | 498031   | 1.55   | cps   |
| Bismuth    | 209-1 | 6109897  | 6224083  | 6200547  | 6178176  | 0.98   | cps   |
| Bismuth    | 209-2 | 2168339  | 2117644  | 2104277  | 2130087  | 1.59   | cps   |
| Boron      | 11-1  | 475777   | 499876   | 502348   | 492667   | 2.98   | cps   |
| Boron      | 10-1  | 97867    | 100206   | 101004   | 99692    | 1.64   | cps   |
| Cadmium    | 106-1 | 53373    | 55808    | 56587    | 55256    | 3.03   | cps   |
| Cadmium    | 108-1 | 38313    | 38986    | 39403    | 38901    | 1.41   | cps   |
| Cadmium    | 111-1 | 574697   | 588129   | 588624   | 583817   | 1.35   | cps   |
| Calcium    | 43-1  | 2069330  | 2127708  | 2077600  | 2091546  | 1.51   | cps   |
| Calcium    | 44-1  | 32991894 | 33755362 | 33446426 | 33397894 | 1.15   | cps   |
| Chromium   | 52-2  | 519740   | 521965   | 522412   | 521372   | 0.27   | cps   |
| Cobalt     | 59-2  | 550760   | 553949   | 555093   | 553267   | 0.41   | cps   |
| Copper     | 63-2  | 909285   | 918246   | 923955   | 917162   | 0.81   | cps   |
| Dysprosium | 156-1 | 533646   | 556358   | 546205   | 545403   | 2.09   | cps   |
| Dysprosium | 156-2 | 13557    | 13934    | 13968    | 13820    | 1.65   | cps   |
| Erbium     | 164-1 | 125      | 92       | 192      | 136      | 37.41  | cps   |
| Erbium     | 164-2 | 20       | 50       | 17       | 29       | 63.54  | cps   |
| Gadolinium | 160-1 | 283      | 350      | 383      | 339      | 15.03  | cps   |
| Gadolinium | 160-2 | 53       | 57       | 37       | 49       | 21.91  | cps   |
| Holmium    | 165-1 | 10119225 | 10335378 | 10113310 | 10189304 | 1.24   | cps   |
| Holmium    | 165-2 | 2764452  | 2643049  | 2629328  | 2678943  | 2.78   | cps   |
| Indium     | 115-1 | 8421238  | 8740629  | 8649645  | 8603837  | 1.91   | cps   |
| Indium     | 115-2 | 421303   | 405651   | 403281   | 410078   | 2.39   | cps   |
| Iron       | 56-2  | 4583268  | 4664457  | 4656368  | 4634698  | 0.96   | cps   |
| Iron       | 57-2  | 115037   | 116191   | 116914   | 116047   | 0.82   | cps   |
| Krypton    | 83-1  | 1377     | 1227     | 1230     | 1278     | 6.70   | cps   |
| Lead       | 207-1 | 6185381  | 6359905  | 6326249  | 6290512  | 1.47   | cps   |
| Lead       | 208-1 | 27946168 | 28550257 | 28470978 | 28322468 | 1.16   | cps   |
| Lead       | 206-1 | 6857423  | 6995934  | 6965115  | 6939491  | 1.05   | cps   |
| Lithium    | 6-1   | 2166171  | 2230818  | 2218044  | 2205011  | 1.55   | cps   |
| Magnesium  | 24-2  | 1337443  | 1322651  | 1329919  | 1330004  | 0.56   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01MSD Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:54:47 DataFile Name : 025SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 95725    | 96060    | 96805    | 96197    | 0.57   | cps   |
| Molybdenum | 94-1  | 1247866  | 1272098  | 1268029  | 1262664  | 1.03   | cps   |
| Molybdenum | 95-1  | 2192287  | 2268851  | 2273452  | 2244863  | 2.03   | cps   |
| Molybdenum | 96-1  | 2392594  | 2447147  | 2380634  | 2406792  | 1.47   | cps   |
| Molybdenum | 97-1  | 1348531  | 1395900  | 1364882  | 1369771  | 1.76   | cps   |
| Molybdenum | 98-1  | 3525525  | 3620249  | 3583967  | 3576580  | 1.34   | cps   |
| Neodymium  | 150-1 | 160      | 260      | 127      | 182      | 38.08  | cps   |
| Neodymium  | 150-2 | 17       | 20       | 17       | 18       | 10.81  | cps   |
| Nickel     | 60-2  | 414382   | 417371   | 418533   | 416762   | 0.51   | cps   |
| Phosphorus | 31-2  | 4968     | 4501     | 4384     | 4618     | 6.69   | cps   |
| Potassium  | 39-2  | 277875   | 278172   | 272362   | 276136   | 1.19   | cps   |
| Rhodium    | 103-1 | 8217592  | 8552884  | 8359002  | 8376492  | 2.01   | cps   |
| Rhodium    | 103-2 | 2455833  | 2373752  | 2376271  | 2401952  | 1.94   | cps   |
| Scandium   | 45-1  | 6070771  | 6132793  | 6088864  | 6097476  | 0.52   | cps   |
| Scandium   | 45-2  | 46173    | 45855    | 45049    | 45692    | 1.27   | cps   |
| Selenium   | 77-2  | 2260     | 2397     | 2390     | 2349     | 3.28   | cps   |
| Selenium   | 78-2  | 8028     | 8299     | 8156     | 8161     | 1.66   | cps   |
| Selenium   | 82-1  | 380644   | 390506   | 391310   | 387487   | 1.53   | cps   |
| Silicon    | 28-1  | 40210742 | 41136991 | 40615589 | 40654440 | 1.14   | cps   |
| Silver     | 109-1 | 982823   | 1013632  | 997931   | 998129   | 1.54   | cps   |
| Silver     | 107-1 | 1024702  | 1062371  | 1055135  | 1047403  | 1.91   | cps   |
| Sodium     | 23-2  | 1697828  | 1706712  | 1705003  | 1703181  | 0.28   | cps   |
| Strontium  | 86-1  | 1832823  | 1850535  | 1884370  | 1855909  | 1.41   | cps   |
| Strontium  | 88-1  | 15596849 | 16014533 | 15970025 | 15860469 | 1.45   | cps   |
| Sulfur     | 34-1  | 1196692  | 1207680  | 1189638  | 1198003  | 0.76   | cps   |
| Terbium    | 159-1 | 10501282 | 10816947 | 10691460 | 10669896 | 1.49   | cps   |
| Terbium    | 159-2 | 2732804  | 2637243  | 2651661  | 2673903  | 1.93   | cps   |
| Thallium   | 203-1 | 17350147 | 17621142 | 17401050 | 17457446 | 0.83   | cps   |
| Thallium   | 205-1 | 40976104 | 41623268 | 41231912 | 41277095 | 0.79   | cps   |
| Tin        | 118-1 | 5775498  | 6026857  | 5940436  | 5914263  | 2.16   | cps   |
| Titanium   | 47-1  | 328632   | 332420   | 337704   | 332919   | 1.37   | cps   |
| Uranium    | 238-1 | 44715    | 46354    | 45744    | 45604    | 1.82   | cps   |
| Vanadium   | 51-2  | 281714   | 281770   | 281610   | 281698   | 0.03   | cps   |
| Yttrium    | 89-1  | 9478062  | 9603679  | 9589027  | 9556923  | 0.72   | cps   |
| Yttrium    | 89-2  | 316850   | 308476   | 305758   | 310361   | 1.86   | cps   |
| Zinc       | 66-2  | 73068    | 73939    | 74150    | 73719    | 0.78   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01MSD          | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:54:47  | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 5401 | 5285 | 5435 | 5374    | 1.47   | cps   |
| Zirconium | 91-1 | 2450 | 2692 | 2650 | 2598    | 4.97   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01A Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:58:03 DataFile Name : 026SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 20049    | 20107    | 19804    | 19987    | 0.81   | cps   |
| Antimony   | 121-1 | 9144921  | 9239308  | 9298198  | 9227476  | 0.84   | cps   |
| Arsenic    | 75-1  | 2780568  | 2805101  | 2840293  | 2808654  | 1.07   | cps   |
| Barium     | 135-1 | 530308   | 540345   | 544040   | 538231   | 1.32   | cps   |
| Barium     | 137-1 | 944612   | 941595   | 951778   | 945995   | 0.55   | cps   |
| Beryllium  | 9-1   | 493457   | 498203   | 494062   | 495240   | 0.52   | cps   |
| Bismuth    | 209-1 | 6312574  | 6233984  | 6368880  | 6305146  | 1.07   | cps   |
| Bismuth    | 209-2 | 2185511  | 2127358  | 2125868  | 2146246  | 1.58   | cps   |
| Boron      | 11-1  | 483152   | 493797   | 497196   | 491382   | 1.49   | cps   |
| Boron      | 10-1  | 96490    | 100811   | 101692   | 99665    | 2.79   | cps   |
| Cadmium    | 106-1 | 53708    | 56092    | 55481    | 55094    | 2.25   | cps   |
| Cadmium    | 108-1 | 38664    | 39061    | 38731    | 38819    | 0.55   | cps   |
| Cadmium    | 111-1 | 580864   | 593278   | 593081   | 589074   | 1.21   | cps   |
| Calcium    | 43-1  | 2072601  | 2121166  | 2093254  | 2095674  | 1.16   | cps   |
| Calcium    | 44-1  | 33215757 | 33586493 | 33577633 | 33459961 | 0.63   | cps   |
| Chromium   | 52-2  | 519132   | 515988   | 515406   | 516842   | 0.39   | cps   |
| Cobalt     | 59-2  | 551899   | 548474   | 546362   | 548911   | 0.51   | cps   |
| Copper     | 63-2  | 918717   | 911301   | 912972   | 914330   | 0.43   | cps   |
| Dysprosium | 156-1 | 545239   | 549035   | 559875   | 551383   | 1.38   | cps   |
| Dysprosium | 156-2 | 13928    | 13447    | 13170    | 13515    | 2.84   | cps   |
| Erbium     | 164-1 | 258      | 125      | 208      | 197      | 34.15  | cps   |
| Erbium     | 164-2 | 40       | 23       | 30       | 31       | 26.97  | cps   |
| Gadolinium | 160-1 | 367      | 342      | 258      | 322      | 17.60  | cps   |
| Gadolinium | 160-2 | 40       | 60       | 53       | 51       | 19.92  | cps   |
| Holmium    | 165-1 | 10336951 | 10324807 | 10225364 | 10295708 | 0.59   | cps   |
| Holmium    | 165-2 | 2787341  | 2707076  | 2687634  | 2727350  | 1.94   | cps   |
| Indium     | 115-1 | 8785043  | 8734491  | 8794897  | 8771477  | 0.37   | cps   |
| Indium     | 115-2 | 418610   | 411245   | 407834   | 412563   | 1.33   | cps   |
| Iron       | 56-2  | 4614141  | 4611851  | 4580334  | 4602109  | 0.41   | cps   |
| Iron       | 57-2  | 115794   | 113425   | 114796   | 114672   | 1.04   | cps   |
| Krypton    | 83-1  | 1187     | 1223     | 1330     | 1247     | 5.97   | cps   |
| Lead       | 207-1 | 6300800  | 6320004  | 6363974  | 6328259  | 0.51   | cps   |
| Lead       | 208-1 | 28486158 | 28453545 | 28718745 | 28552816 | 0.51   | cps   |
| Lead       | 206-1 | 7021072  | 7028190  | 7038362  | 7029208  | 0.12   | cps   |
| Lithium    | 6-1   | 2201001  | 2198572  | 2227417  | 2208997  | 0.72   | cps   |
| Magnesium  | 24-2  | 1328832  | 1315818  | 1304918  | 1316522  | 0.91   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : J5787-01A Instrumnet Name : P8  
 Client Sample ID : 381018188.9-SEPERMEI Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 15:58:03 DataFile Name : 026SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 95997    | 95208    | 95097    | 95434    | 0.51   | cps   |
| Molybdenum | 94-1  | 1258499  | 1277215  | 1291982  | 1275898  | 1.32   | cps   |
| Molybdenum | 95-1  | 2236437  | 2262076  | 2295786  | 2264766  | 1.31   | cps   |
| Molybdenum | 96-1  | 2412043  | 2396554  | 2464969  | 2424522  | 1.48   | cps   |
| Molybdenum | 97-1  | 1398358  | 1406174  | 1430540  | 1411691  | 1.19   | cps   |
| Molybdenum | 98-1  | 3576836  | 3656994  | 3627911  | 3620580  | 1.12   | cps   |
| Neodymium  | 150-1 | 127      | 93       | 133      | 118      | 18.19  | cps   |
| Neodymium  | 150-2 | 17       | 17       | 20       | 18       | 10.81  | cps   |
| Nickel     | 60-2  | 415799   | 413937   | 409450   | 413062   | 0.79   | cps   |
| Phosphorus | 31-2  | 4701     | 4443     | 4601     | 4582     | 2.84   | cps   |
| Potassium  | 39-2  | 278463   | 269287   | 270221   | 272657   | 1.85   | cps   |
| Rhodium    | 103-1 | 8564605  | 8424974  | 8469283  | 8486287  | 0.84   | cps   |
| Rhodium    | 103-2 | 2446156  | 2389425  | 2382517  | 2406032  | 1.45   | cps   |
| Scandium   | 45-1  | 6172726  | 6149163  | 6114983  | 6145624  | 0.47   | cps   |
| Scandium   | 45-2  | 46881    | 45363    | 45992    | 46079    | 1.66   | cps   |
| Selenium   | 77-2  | 2427     | 2447     | 2397     | 2424     | 1.04   | cps   |
| Selenium   | 78-2  | 8228     | 8119     | 7921     | 8089     | 1.93   | cps   |
| Selenium   | 82-1  | 390733   | 390565   | 390313   | 390537   | 0.05   | cps   |
| Silicon    | 28-1  | 39999817 | 40659824 | 40528559 | 40396067 | 0.86   | cps   |
| Silver     | 109-1 | 989637   | 999833   | 1009921  | 999797   | 1.01   | cps   |
| Silver     | 107-1 | 1036653  | 1046391  | 1059111  | 1047385  | 1.08   | cps   |
| Sodium     | 23-2  | 1712328  | 1681440  | 1674510  | 1689426  | 1.19   | cps   |
| Strontium  | 86-1  | 1883794  | 1896929  | 1889119  | 1889947  | 0.35   | cps   |
| Strontium  | 88-1  | 15983589 | 16107906 | 16051773 | 16047756 | 0.39   | cps   |
| Sulfur     | 34-1  | 1179751  | 1187629  | 1164334  | 1177238  | 1.01   | cps   |
| Terbium    | 159-1 | 10991609 | 10673866 | 10875415 | 10846963 | 1.48   | cps   |
| Terbium    | 159-2 | 2719422  | 2624369  | 2647236  | 2663676  | 1.86   | cps   |
| Thallium   | 203-1 | 17370704 | 17648463 | 17593356 | 17537507 | 0.84   | cps   |
| Thallium   | 205-1 | 41437888 | 41439097 | 41609768 | 41495584 | 0.24   | cps   |
| Tin        | 118-1 | 5925506  | 5996193  | 6069460  | 5997053  | 1.20   | cps   |
| Titanium   | 47-1  | 325866   | 333921   | 331415   | 330401   | 1.25   | cps   |
| Uranium    | 238-1 | 45986    | 45317    | 46304    | 45869    | 1.10   | cps   |
| Vanadium   | 51-2  | 280571   | 279444   | 276572   | 278862   | 0.74   | cps   |
| Yttrium    | 89-1  | 9884677  | 9788100  | 9755578  | 9809451  | 0.68   | cps   |
| Yttrium    | 89-2  | 317264   | 308930   | 307668   | 311288   | 1.68   | cps   |
| Zinc       | 66-2  | 72579    | 72877    | 73319    | 72925    | 0.51   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB99014              | Operator :        | Jaswal    |
| Lab Sample ID :         | J5787-01A            | Instrumnet Name : | P8        |
| Client Sample ID :      | 381018188.9-SEPERMEI | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 15:58:03  | DataFile Name :   | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 5076 | 5151 | 5060 | 5096    | 0.96   | cps   |
| Zirconium | 91-1 | 2675 | 2617 | 2509 | 2600    | 3.25   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV51               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV51               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 16:04:54 | DataFile Name :   | 027CCV.d |

| Parameter  | Mass  | CPS1      | CPS2      | CPS3      | CPSMean   | CPSRSD | Units |
|------------|-------|-----------|-----------|-----------|-----------|--------|-------|
| Aluminium  | 27-2  | 519908    | 526383    | 525638    | 523976    | 0.68   | cps   |
| Antimony   | 121-1 | 5342706   | 5435566   | 5439018   | 5405763   | 1.01   | cps   |
| Arsenic    | 75-1  | 1620945   | 1600152   | 1625027   | 1615375   | 0.83   | cps   |
| Barium     | 135-1 | 5625632   | 5650201   | 5653705   | 5643179   | 0.27   | cps   |
| Barium     | 137-1 | 9864626   | 9793156   | 9869081   | 9842288   | 0.43   | cps   |
| Beryllium  | 9-1   | 1152745   | 1141928   | 1156401   | 1150358   | 0.65   | cps   |
| Bismuth    | 209-1 | 5696136   | 6015939   | 5390370   | 5700815   | 5.49   | cps   |
| Bismuth    | 209-2 | 1986103   | 2001255   | 1946197   | 1977851   | 1.44   | cps   |
| Boron      | 11-1  | 676130    | 683522    | 699117    | 686256    | 1.71   | cps   |
| Boron      | 10-1  | 136847    | 139134    | 142097    | 139359    | 1.89   | cps   |
| Cadmium    | 106-1 | 146605    | 146613    | 149722    | 147647    | 1.22   | cps   |
| Cadmium    | 108-1 | 98838     | 100073    | 99119     | 99343     | 0.65   | cps   |
| Cadmium    | 111-1 | 1313417   | 1309563   | 1327419   | 1316800   | 0.71   | cps   |
| Calcium    | 43-1  | 7471401   | 7466720   | 7553135   | 7497085   | 0.65   | cps   |
| Calcium    | 44-1  | 121621661 | 122387844 | 122758149 | 122255885 | 0.47   | cps   |
| Chromium   | 52-2  | 632611    | 638584    | 640153    | 637116    | 0.62   | cps   |
| Cobalt     | 59-2  | 1276828   | 1286957   | 1285639   | 1283141   | 0.43   | cps   |
| Copper     | 63-2  | 2196481   | 2216374   | 2203653   | 2205503   | 0.46   | cps   |
| Dysprosium | 156-1 | 83        | 167       | 125       | 125       | 33.33  | cps   |
| Dysprosium | 156-2 | 27        | 20        | 10        | 19        | 44.42  | cps   |
| Erbium     | 164-1 | 83        | 92        | 108       | 94        | 13.48  | cps   |
| Erbium     | 164-2 | 13        | 3         | 23        | 13        | 75.02  | cps   |
| Gadolinium | 160-1 | 117       | 217       | 167       | 167       | 30.00  | cps   |
| Gadolinium | 160-2 | 23        | 17        | 20        | 20        | 16.65  | cps   |
| Holmium    | 165-1 | 9591210   | 10081610  | 9020913   | 9564578   | 5.55   | cps   |
| Holmium    | 165-2 | 2629252   | 2587555   | 2554338   | 2590381   | 1.45   | cps   |
| Indium     | 115-1 | 8156775   | 8421994   | 7565535   | 8048102   | 5.45   | cps   |
| Indium     | 115-2 | 398311    | 400924    | 390903    | 396713    | 1.31   | cps   |
| Iron       | 56-2  | 106184319 | 106799822 | 107164422 | 106716188 | 0.46   | cps   |
| Iron       | 57-2  | 2712029   | 2708953   | 2728602   | 2716528   | 0.39   | cps   |
| Krypton    | 83-1  | 1257      | 1363      | 1190      | 1270      | 6.89   | cps   |
| Lead       | 207-1 | 2823046   | 2882892   | 2884374   | 2863437   | 1.22   | cps   |
| Lead       | 208-1 | 12610722  | 12663967  | 12717505  | 12664064  | 0.42   | cps   |
| Lead       | 206-1 | 3104086   | 3121668   | 3121589   | 3115781   | 0.33   | cps   |
| Lithium    | 6-1   | 1910866   | 2051844   | 1846428   | 1936379   | 5.43   | cps   |
| Magnesium  | 24-2  | 10724506  | 10777672  | 10772560  | 10758246  | 0.27   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV51               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV51               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 16:04:54 | DataFile Name :   | 027CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 355842   | 360405   | 358125   | 358124   | 0.64   | cps   |
| Molybdenum | 94-1  | 10274993 | 10209355 | 10350507 | 10278285 | 0.69   | cps   |
| Molybdenum | 95-1  | 12801840 | 12646177 | 12924563 | 12790860 | 1.09   | cps   |
| Molybdenum | 96-1  | 14057719 | 14002636 | 14246338 | 14102231 | 0.91   | cps   |
| Molybdenum | 97-1  | 7923591  | 7780044  | 7900141  | 7867925  | 0.98   | cps   |
| Molybdenum | 98-1  | 20562908 | 20112933 | 20494434 | 20390092 | 1.19   | cps   |
| Neodymium  | 150-1 | 507      | 440      | 427      | 458      | 9.36   | cps   |
| Neodymium  | 150-2 | 33       | 10       | 13       | 19       | 66.81  | cps   |
| Nickel     | 60-2  | 387460   | 391666   | 390004   | 389710   | 0.54   | cps   |
| Phosphorus | 31-2  | 7236     | 7027     | 6568     | 6944     | 4.92   | cps   |
| Potassium  | 39-2  | 2952100  | 3023879  | 2981810  | 2985930  | 1.21   | cps   |
| Rhodium    | 103-1 | 7739244  | 8109317  | 7219649  | 7689403  | 5.81   | cps   |
| Rhodium    | 103-2 | 2257480  | 2207305  | 2180696  | 2215160  | 1.76   | cps   |
| Scandium   | 45-1  | 5831783  | 6153367  | 5494387  | 5826512  | 5.66   | cps   |
| Scandium   | 45-2  | 45246    | 45938    | 45303    | 45496    | 0.84   | cps   |
| Selenium   | 77-2  | 610      | 567      | 463      | 547      | 13.78  | cps   |
| Selenium   | 78-2  | 1835     | 1900     | 1917     | 1884     | 2.29   | cps   |
| Selenium   | 82-1  | 88061    | 88295    | 88695    | 88350    | 0.36   | cps   |
| Silicon    | 28-1  | 3686501  | 3732761  | 3771164  | 3730142  | 1.14   | cps   |
| Silver     | 109-1 | 5863745  | 5858782  | 5905384  | 5875970  | 0.44   | cps   |
| Silver     | 107-1 | 6100702  | 6132405  | 6174119  | 6135742  | 0.60   | cps   |
| Sodium     | 23-2  | 24421100 | 24592642 | 24526084 | 24513275 | 0.35   | cps   |
| Strontium  | 86-1  | 1613683  | 1637052  | 1598771  | 1616502  | 1.19   | cps   |
| Strontium  | 88-1  | 13504121 | 13615645 | 13821797 | 13647187 | 1.18   | cps   |
| Sulfur     | 34-1  | 1221186  | 1193843  | 1204651  | 1206560  | 1.14   | cps   |
| Terbium    | 159-1 | 10058633 | 10599041 | 9434173  | 10030616 | 5.81   | cps   |
| Terbium    | 159-2 | 2577327  | 2518731  | 2507699  | 2534586  | 1.48   | cps   |
| Thallium   | 203-1 | 3881166  | 3912828  | 3914199  | 3902731  | 0.48   | cps   |
| Thallium   | 205-1 | 9007478  | 9185040  | 9148854  | 9113791  | 1.03   | cps   |
| Tin        | 118-1 | 3802020  | 3828995  | 3879301  | 3836772  | 1.02   | cps   |
| Titanium   | 47-1  | 3768281  | 3723438  | 3795334  | 3762351  | 0.97   | cps   |
| Uranium    | 238-1 | 12034071 | 12171776 | 12294171 | 12166673 | 1.07   | cps   |
| Vanadium   | 51-2  | 441346   | 444233   | 443090   | 442889   | 0.33   | cps   |
| Yttrium    | 89-1  | 9131120  | 9716894  | 8624876  | 9157630  | 5.97   | cps   |
| Yttrium    | 89-2  | 304744   | 302705   | 301405   | 302952   | 0.56   | cps   |
| Zinc       | 66-2  | 214241   | 213391   | 217006   | 214880   | 0.88   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB99014             | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV51               | Instrumnet Name : | P8       |
| Client Sample ID :      | CCV51               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2018-11-02 16:04:54 | DataFile Name :   | 027CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zirconium | 90-1 | 8556454 | 8654923 | 8782505 | 8664627 | 1.31   | cps   |
| Zirconium | 91-1 | 1939253 | 1947406 | 1974714 | 1953791 | 0.95   | cps   |

LB Number : LB99014 Operator : Jaswal  
 Lab Sample ID : CCB51 Instrumnet Name : P8  
 Client Sample ID : CCB51 Dilution Factor : 1  
 Date & Time Acquired :: 2018-11-02 16:08:02 DataFile Name : 028CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 40      | 20      | 45      | 35      | 37.79  | cps   |
| Antimony   | 121-1 | 2884    | 3067    | 3309    | 3087    | 6.91   | cps   |
| Arsenic    | 75-1  | 742     | 692     | 658     | 697     | 6.02   | cps   |
| Barium     | 135-1 | 242     | 142     | 192     | 192     | 26.09  | cps   |
| Barium     | 137-1 | 242     | 233     | 208     | 228     | 7.62   | cps   |
| Beryllium  | 9-1   | 383     | 378     | 283     | 348     | 16.14  | cps   |
| Bismuth    | 209-1 | 6155647 | 6189635 | 6198135 | 6181139 | 0.36   | cps   |
| Bismuth    | 209-2 | 2210848 | 2169846 | 2161666 | 2180787 | 1.21   | cps   |
| Boron      | 11-1  | 16994   | 16719   | 15167   | 16293   | 6.05   | cps   |
| Boron      | 10-1  | 3567    | 3109    | 3292    | 3323    | 6.94   | cps   |
| Cadmium    | 106-1 | 3559    | 3234    | 3484    | 3426    | 4.97   | cps   |
| Cadmium    | 108-1 | 8       | 29      | 21      | 19      | 53.95  | cps   |
| Cadmium    | 111-1 | 2523    | 2289    | 2445    | 2419    | 4.92   | cps   |
| Calcium    | 43-1  | 908     | 1100    | 867     | 958     | 12.99  | cps   |
| Calcium    | 44-1  | 41964   | 40485   | 39983   | 40811   | 2.52   | cps   |
| Chromium   | 52-2  | 450     | 553     | 480     | 494     | 10.75  | cps   |
| Cobalt     | 59-2  | 53      | 57      | 53      | 54      | 3.54   | cps   |
| Copper     | 63-2  | 1623    | 1447    | 1603    | 1558    | 6.21   | cps   |
| Dysprosium | 156-1 | 17      | 17      | 25      | 19      | 24.73  | cps   |
| Dysprosium | 156-2 | 3       | 3       | 3       | 3       | 0.00   | cps   |
| Erbium     | 164-1 | 33      | 42      | 50      | 42      | 20.00  | cps   |
| Erbium     | 164-2 | 7       | 10      | 7       | 8       | 24.71  | cps   |
| Gadolinium | 160-1 | 83      | 133     | 117     | 111     | 22.91  | cps   |
| Gadolinium | 160-2 | 3       | 17      | 17      | 12      | 63.01  | cps   |
| Holmium    | 165-1 | 9742724 | 9717763 | 9678031 | 9712840 | 0.34   | cps   |
| Holmium    | 165-2 | 2679964 | 2650926 | 2623333 | 2651408 | 1.07   | cps   |
| Indium     | 115-1 | 8455883 | 8535105 | 8597450 | 8529479 | 0.83   | cps   |
| Indium     | 115-2 | 431478  | 422662  | 418414  | 424185  | 1.57   | cps   |
| Iron       | 56-2  | 3539    | 3256    | 2873    | 3223    | 10.38  | cps   |
| Iron       | 57-2  | 94      | 67      | 94      | 85      | 18.83  | cps   |
| Krypton    | 83-1  | 1300    | 1253    | 1263    | 1272    | 1.93   | cps   |
| Lead       | 207-1 | 2400    | 2345    | 2106    | 2284    | 6.85   | cps   |
| Lead       | 208-1 | 10319   | 9952    | 9746    | 10006   | 2.90   | cps   |
| Lead       | 206-1 | 2406    | 2345    | 2367    | 2373    | 1.30   | cps   |
| Lithium    | 6-1   | 2077842 | 2054703 | 2080375 | 2070973 | 0.68   | cps   |
| Magnesium  | 24-2  | 300     | 358     | 417     | 358     | 16.28  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB51               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB51               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 16:08:02 | DataFile Name :   | 028CCBE.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 23       | 17       | 33       | 24       | 34.31  | cps   |
| Molybdenum | 94-1  | 1358     | 1258     | 1100     | 1239     | 10.51  | cps   |
| Molybdenum | 95-1  | 1575     | 1425     | 1383     | 1461     | 6.90   | cps   |
| Molybdenum | 96-1  | 1667     | 1492     | 1592     | 1584     | 5.55   | cps   |
| Molybdenum | 97-1  | 933      | 1142     | 833      | 970      | 16.23  | cps   |
| Molybdenum | 98-1  | 2334     | 2559     | 2367     | 2420     | 5.02   | cps   |
| Neodymium  | 150-1 | 7        | 7        | 40       | 18       | 108.23 | cps   |
| Neodymium  | 150-2 | 3        | 0        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 120      | 113      | 93       | 109      | 12.74  | cps   |
| Phosphorus | 31-2  | 8        | 8        | 25       | 14       | 69.31  | cps   |
| Potassium  | 39-2  | 4618     | 4351     | 4393     | 4454     | 3.22   | cps   |
| Rhodium    | 103-1 | 8393824  | 8387721  | 8415922  | 8399155  | 0.18   | cps   |
| Rhodium    | 103-2 | 2523574  | 2413811  | 2423248  | 2453544  | 2.48   | cps   |
| Scandium   | 45-1  | 5882073  | 5904929  | 5973396  | 5920133  | 0.80   | cps   |
| Scandium   | 45-2  | 46209    | 45126    | 45045    | 45460    | 1.43   | cps   |
| Selenium   | 77-2  | 0        | 3        | 7        | 3        | 100.05 | cps   |
| Selenium   | 78-2  | 2        | 4        | 0        | 2        | 100.00 | cps   |
| Selenium   | 82-1  | -78      | -20      | -71      | -56      | -56.11 | cps   |
| Silicon    | 28-1  | 368466   | 362879   | 358300   | 363215   | 1.40   | cps   |
| Silver     | 109-1 | 958      | 1183     | 1709     | 1283     | 29.99  | cps   |
| Silver     | 107-1 | 992      | 1208     | 2075     | 1425     | 40.23  | cps   |
| Sodium     | 23-2  | 9654     | 9612     | 9295     | 9520     | 2.06   | cps   |
| Strontium  | 86-1  | 1942     | 2050     | 1875     | 1956     | 4.52   | cps   |
| Strontium  | 88-1  | 983      | 1142     | 1042     | 1056     | 7.59   | cps   |
| Sulfur     | 34-1  | 801099   | 799666   | 810626   | 803797   | 0.74   | cps   |
| Terbium    | 159-1 | 10134632 | 10208885 | 10208153 | 10183890 | 0.42   | cps   |
| Terbium    | 159-2 | 2671809  | 2627876  | 2602008  | 2633898  | 1.34   | cps   |
| Thallium   | 203-1 | 567      | 400      | 558      | 508      | 18.47  | cps   |
| Thallium   | 205-1 | 1484     | 1408     | 1283     | 1392     | 7.26   | cps   |
| Tin        | 118-1 | 1233     | 1075     | 1225     | 1178     | 7.57   | cps   |
| Titanium   | 47-1  | 250      | 258      | 217      | 242      | 9.12   | cps   |
| Uranium    | 238-1 | 367      | 267      | 375      | 336      | 17.94  | cps   |
| Vanadium   | 51-2  | 20       | 3        | 17       | 13       | 66.16  | cps   |
| Yttrium    | 89-1  | 9318358  | 9361913  | 9447868  | 9376046  | 0.70   | cps   |
| Yttrium    | 89-2  | 319094   | 312564   | 309540   | 313733   | 1.56   | cps   |
| Zinc       | 66-2  | 290      | 313      | 233      | 279      | 14.75  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB99014             | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB51               | Instrumnet Name : | P8        |
| Client Sample ID :      | CCB51               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2018-11-02 16:08:02 | DataFile Name :   | 028CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zirconium | 90-1 | 933  | 775  | 758  | 822     | 11.75  | cps   |
| Zirconium | 91-1 | 175  | 142  | 200  | 172     | 16.99  | cps   |