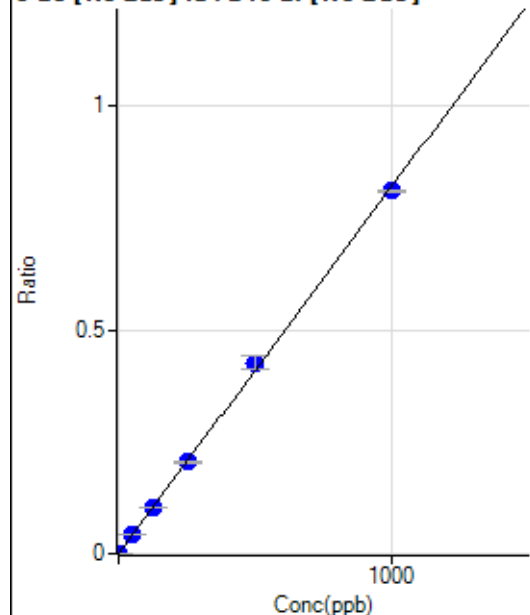


Batch Folder: D:\ICP-MS Data\P7072319MS.b\  
Analysis File: P7072319MS.batch.bin  
DA Date-Time: 2019-07-23 17:25:18  
Calibration Title:  
Calibration Method: External Calibration  
VIS Interpolation Fit:

| Level | Standard Data File | Sample Name | Acq. Date-Time      |
|-------|--------------------|-------------|---------------------|
| 1     | 003CALB.d          | S00         | 2019-07-23 13:03:33 |
| 2     |                    |             |                     |
| 3     | 005CALS.d          | S02         | 2019-07-23 13:11:08 |
| 4     | 006CALS.d          | S03         | 2019-07-23 13:15:05 |
| 5     | 007CALS.d          | S04         | 2019-07-23 13:19:01 |
| 6     | 008CALS.d          | S05         | 2019-07-23 13:22:58 |
| 7     | 009CALS.d          | S06         | 2019-07-23 13:26:53 |
| 8     | 010CALS.d          | S07         | 2019-07-23 13:30:46 |
| 9     | 011CALS.d          | S08         | 2019-07-23 13:34:37 |

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 51.11     | 0.0001 | P   | 31.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.913      | 633.35    | 0.0008 | P   | 6.8  |
| 4 | <input type="checkbox"/> | 50.000   | 52.124     | 33664.03  | 0.0428 | P   | 1.3  |
| 5 | <input type="checkbox"/> | 125.000  | 127.302    | 79517.78  | 0.1044 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 250.415    | 146366.58 | 0.2053 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 521.308    | 281885.73 | 0.4274 | P   | 7.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 988.848    | 550250.04 | 0.8106 | P   | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 102.23    | 0.0002 | P   | 30.4 |

$$y = 8.1968\text{E-}004 * x + 6.5226\text{E-}005$$

$$R = 0.9997$$

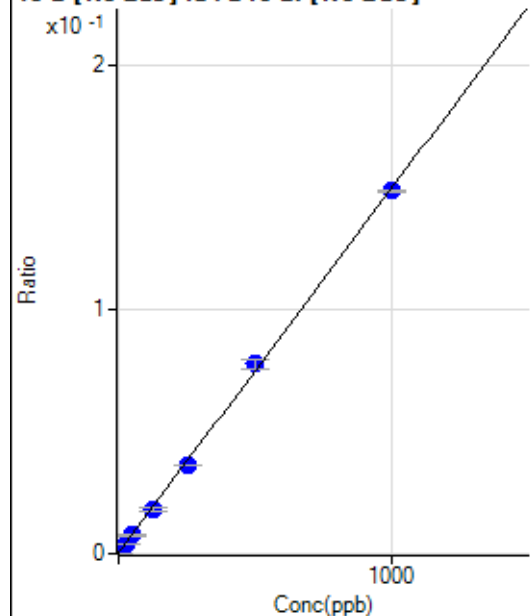
$$DL = 0.07538$$

$$BEC = 0.07958$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 269.46    | 0.0003 | P   | 10.0 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 25.000   | 22.400     | 2867.05   | 0.0037 | P   | 3.8  |
| 4 | <input type="checkbox"/> | 50.000   | 48.728     | 5984.74   | 0.0076 | P   | 4.5  |
| 5 | <input type="checkbox"/> | 125.000  | 119.616    | 13837.37  | 0.0182 | P   | 6.0  |
| 6 | <input type="checkbox"/> | 250.000  | 241.654    | 25922.91  | 0.0364 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 518.962    | 51299.01  | 0.0777 | P   | 5.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.407    | 100751.13 | 0.1484 | P   | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 4937.09   | 0.0075 | P   | 0.8  |

$$y = 1.4906\text{E-}004 * x + 3.4440\text{E-}004$$

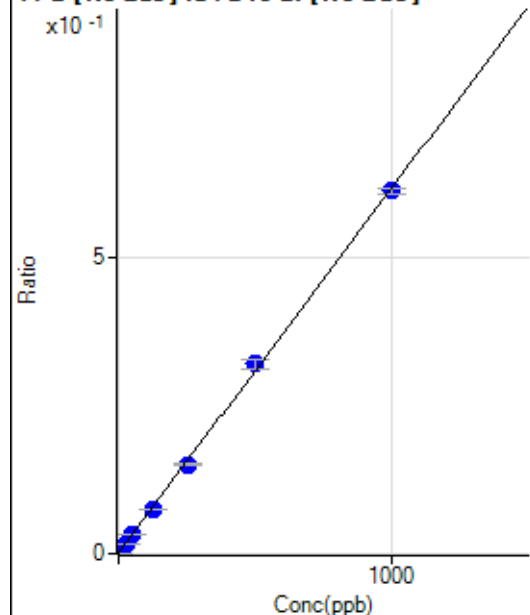
$$R = 0.9997$$

$$DL = 0.6917$$

$$BEC = 2.31$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1205.65   | 0.0015 | P   | 2.9 |
| 2 | <input type="checkbox"/> | 2.500    |            |           |        |     |     |
| 3 | <input type="checkbox"/> | 25.000   | 23.124     | 12260.91  | 0.0158 | P   | 1.7 |
| 4 | <input type="checkbox"/> | 50.000   | 48.722     | 24765.42  | 0.0315 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 125.000  | 120.761    | 57686.00  | 0.0757 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 242.021    | 107110.84 | 0.1503 | P   | 1.0 |
| 7 | <input type="checkbox"/> | 500.000  | 518.827    | 211455.84 | 0.3203 | P   | 5.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 993.222    | 415327.38 | 0.6119 | P   | 1.3 |
| 9 | <input type="checkbox"/> |          |            | 20481.24  | 0.0310 | P   | 7.5 |

$$y = 6.1448\text{E-}004 * x + 0.0015$$

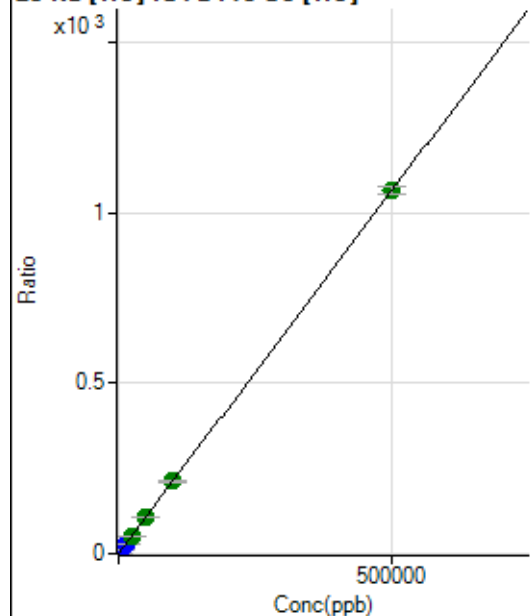
$$R = 0.9997$$

$$DL = 0.2152$$

$$BEC = 2.507$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4895.44    | 0.0879    | P   | 5.3 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |           |     |     |
| 3 | <input type="checkbox"/> | 500.000   | 506.026    | 62991.28   | 1.1641    | P   | 0.1 |
| 4 | <input type="checkbox"/> | 5000.000  | 5243.209   | 610711.35  | 11.2398   | P   | 1.9 |
| 5 | <input type="checkbox"/> | 12500.000 | 12840.710  | 1400967.05 | 27.3992   | P   | 1.0 |
| 6 | <input type="checkbox"/> | 25000.000 | 24799.188  | 2641894.44 | 52.8341   | A   | 0.7 |
| 7 | <input type="checkbox"/> | 50000.000 | 50501.637  | 5256977.20 | 107.5015  | A   | 0.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 99408.579  | 10636328.4 | 211.5233  | A   | 1.3 |
| 9 | <input type="checkbox"/> | 500000.00 | 500067.20  | 52278922.6 | 1,063.697 | A   | 2.0 |

$$y = 0.0021 * x + 0.0879$$

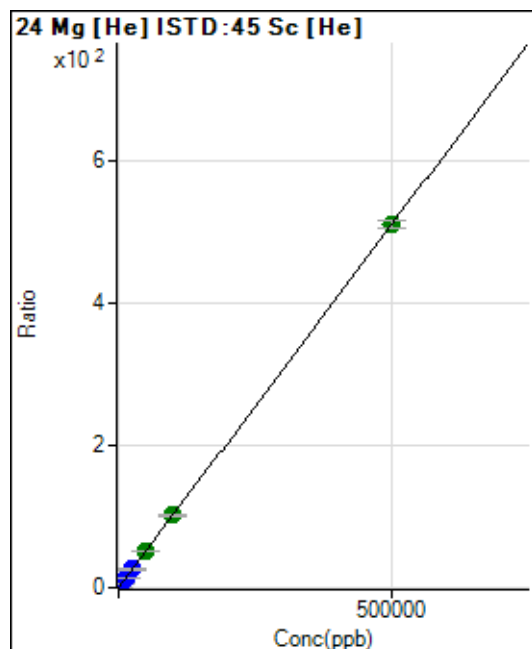
$$R = 1.0000$$

$$DL = 6.561$$

$$BEC = 41.31$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio    | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|----------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 22.22      | 0.0004   | P    | 77.8 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |          |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 533.776    | 29482.45   | 0.5450   | P    | 2.2  |
| 4 | <input type="checkbox"/> | 5000.000  | 5425.877   | 300779.42  | 5.5358   | P    | 2.2  |
| 5 | <input type="checkbox"/> | 12500.000 | 13408.519  | 699472.72  | 13.6797  | P    | 0.6  |
| 6 | <input type="checkbox"/> | 25000.000 | 25247.403  | 1287963.04 | 25.7576  | P    | 0.7  |
| 7 | <input type="checkbox"/> | 50000.000 | 50811.128  | 2534929.83 | 51.8376  | A    | 0.8  |
| 8 | <input type="checkbox"/> | 100000.00 | 99883.484  | 5124080.63 | 101.9009 | A    | 1.1  |
| 9 | <input type="checkbox"/> | 500000.00 | 499902.81  | 25065647.4 | 509.9981 | A    | 1.9  |

$$y = 0.0010 * x + 3.9830E-004$$

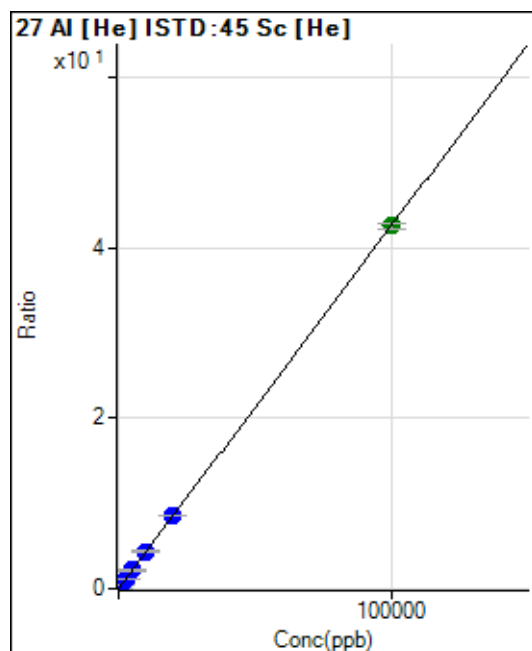
$$R = 1.0000$$

$$DL = 0.9116$$

$$BEC = 0.3904$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|---------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 19.44      | 0.0003  | P    | 89.1 |
| 2 | <input type="checkbox"/> | 2.000     |            |            |         |      |      |
| 3 | <input type="checkbox"/> | 20.000    | 20.847     | 500.03     | 0.0092  | P    | 19.9 |
| 4 | <input type="checkbox"/> | 1000.000  | 1064.767   | 24665.55   | 0.4539  | P    | 1.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2648.166   | 57695.51   | 1.1284  | P    | 0.8  |
| 6 | <input type="checkbox"/> | 5000.000  | 5044.319   | 107467.58  | 2.1491  | P    | 1.2  |
| 7 | <input type="checkbox"/> | 10000.000 | 10310.212  | 214777.42  | 4.3922  | P    | 1.0  |
| 8 | <input type="checkbox"/> | 20000.000 | 20275.012  | 434307.81  | 8.6368  | P    | 1.0  |
| 9 | <input type="checkbox"/> | 100000.00 | 99907.409  | 2091741.19 | 42.5576 | A    | 1.6  |

$$y = 4.2597E-004 * x + 3.4873E-004$$

$$R = 1.0000$$

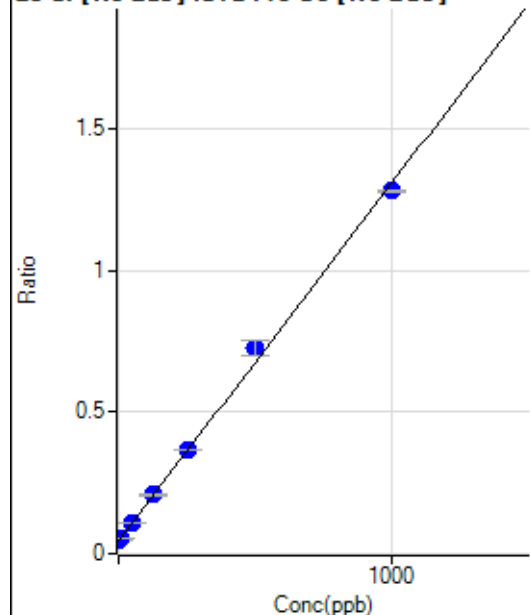
$$DL = 2.189$$

$$BEC = 0.8187$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 55938.45   | 0.0447 | P   | 1.9 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 10.000   | 9.342      | 69244.13   | 0.0565 | P   | 1.7 |
| 4 | <input type="checkbox"/> | 50.000   | 52.619     | 136248.87  | 0.1111 | P   | 0.6 |
| 5 | <input type="checkbox"/> | 125.000  | 128.865    | 244828.49  | 0.2074 | P   | 0.5 |
| 6 | <input type="checkbox"/> | 250.000  | 254.796    | 396715.09  | 0.3665 | P   | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 538.159    | 726555.35  | 0.7244 | P   | 7.5 |
| 8 | <input type="checkbox"/> | 1000.000 | 979.114    | 1373087.27 | 1.2814 | P   | 0.7 |
| 9 | <input type="checkbox"/> |          |            | 293809.75  | 0.2668 | P   | 1.3 |

$$y = 0.0013 * x + 0.0447$$

$$R = 0.9989$$

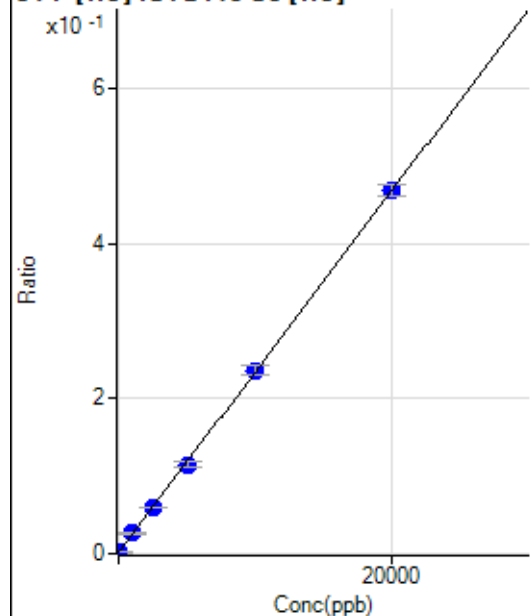
$$DL = 1.981$$

$$BEC = 35.36$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|-----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | -25.825    | 44.45    | 0.0008 | P   | 47.4 |
| 2 | <input type="checkbox"/> | 0.000     |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 0.000     | 25.825     | 108.34   | 0.0020 | P   | 33.9 |
| 4 | <input type="checkbox"/> | 1000.000  | 1080.297   | 1447.35  | 0.0266 | P   | 5.3  |
| 5 | <input type="checkbox"/> | 2500.000  | 2476.680   | 3028.20  | 0.0592 | P   | 2.7  |
| 6 | <input type="checkbox"/> | 5000.000  | 4867.207   | 5751.34  | 0.1150 | P   | 5.6  |
| 7 | <input type="checkbox"/> | 10000.000 | 10054.215  | 11549.39 | 0.2361 | P   | 5.4  |
| 8 | <input type="checkbox"/> | 20000.000 | 20004.991  | 23555.43 | 0.4684 | P   | 3.0  |
| 9 | <input type="checkbox"/> |           |            | 52.78    | 0.0011 | P   | 34.1 |

$$y = 2.3344E-005 * x + 0.0014$$

$$R = 1.0000$$

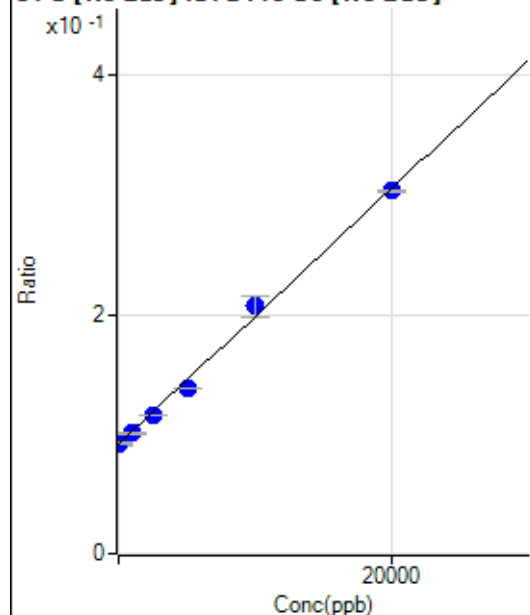
$$DL = 67.98$$

$$BEC = 60.01$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS       | Ratio  | Det | RSD |
|---|--------------------------|-----------|------------|-----------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | -65.506    | 114095.32 | 0.0911 | P   | 0.6 |
| 2 | <input type="checkbox"/> | 0.000     |            |           |        |     |     |
| 3 | <input type="checkbox"/> | 0.000     | 65.506     | 113431.74 | 0.0925 | P   | 0.6 |
| 4 | <input type="checkbox"/> | 1000.000  | 834.768    | 123491.51 | 0.1007 | P   | 1.5 |
| 5 | <input type="checkbox"/> | 2500.000  | 2266.132   | 136951.53 | 0.1160 | P   | 0.3 |
| 6 | <input type="checkbox"/> | 5000.000  | 4417.180   | 150505.27 | 0.1390 | P   | 0.1 |
| 7 | <input type="checkbox"/> | 10000.000 | 10773.274  | 207520.42 | 0.2070 | P   | 8.6 |
| 8 | <input type="checkbox"/> | 20000.000 | 19796.563  | 325260.51 | 0.3035 | P   | 0.5 |
| 9 | <input type="checkbox"/> |           |            | 87506.49  | 0.0795 | P   | 0.7 |

$$y = 1.0696\text{E-}005 * x + 0.0918$$

$$R = 0.9984$$

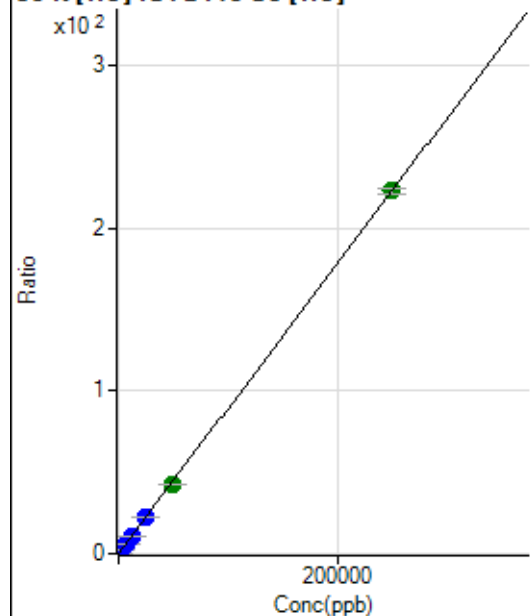
$$DL = 159.5$$

$$BEC = 8582$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio    | Det | RSD |
|---|--------------------------|-----------|------------|------------|----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 4862.10    | 0.0873   | P   | 4.9 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |          |     |     |
| 3 | <input type="checkbox"/> | 500.000   | 479.931    | 27807.35   | 0.5139   | P   | 2.0 |
| 4 | <input type="checkbox"/> | 2500.000  | 2585.880   | 129626.63  | 2.3859   | P   | 2.8 |
| 5 | <input type="checkbox"/> | 6250.000  | 6385.306   | 294691.08  | 5.7634   | P   | 0.8 |
| 6 | <input type="checkbox"/> | 12500.000 | 12199.154  | 546628.83  | 10.9316  | P   | 0.4 |
| 7 | <input type="checkbox"/> | 25000.000 | 24799.481  | 1082317.28 | 22.1325  | P   | 0.6 |
| 8 | <input type="checkbox"/> | 50000.000 | 47888.241  | 2145050.59 | 42.6570  | A   | 0.9 |
| 9 | <input type="checkbox"/> | 250000.00 | 250453.24  | 10947449.7 | 222.7249 | A   | 1.4 |

$$y = 8.8894\text{E-}004 * x + 0.0873$$

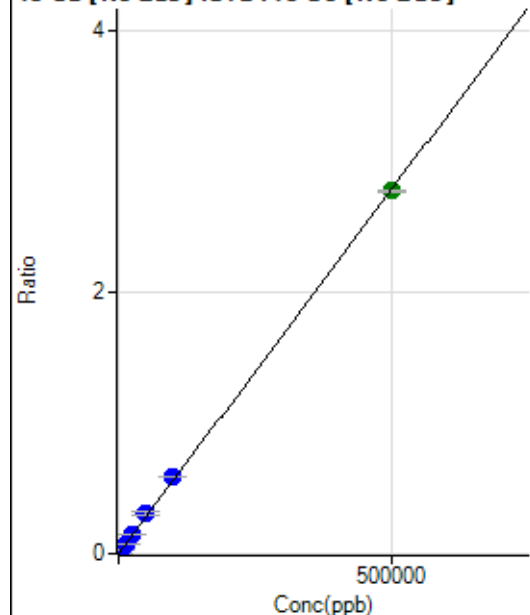
$$R = 1.0000$$

$$DL = 14.52$$

$$BEC = 98.16$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio  | Det. | RSD  |
|---|--------------------------|-----------|------------|------------|--------|------|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 13.89      | 0.0000 | P    | 34.6 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |        |      |      |
| 3 | <input type="checkbox"/> | 500.000   | 501.116    | 3433.85    | 0.0028 | P    | 5.6  |
| 4 | <input type="checkbox"/> | 5000.000  | 5220.153   | 35624.41   | 0.0291 | P    | 0.4  |
| 5 | <input type="checkbox"/> | 12500.000 | 13148.987  | 86360.27   | 0.0732 | P    | 0.1  |
| 6 | <input type="checkbox"/> | 25000.000 | 26291.108  | 158350.30  | 0.1463 | P    | 1.4  |
| 7 | <input type="checkbox"/> | 50000.000 | 56191.037  | 313509.33  | 0.3126 | P    | 7.9  |
| 8 | <input type="checkbox"/> | 100000.00 | 105389.87  | 628344.17  | 0.5864 | P    | 0.3  |
| 9 | <input type="checkbox"/> | 500000.00 | 498219.93  | 3052825.07 | 2.7720 | A    | 0.6  |

$$y = 5.5638\text{E-}006 * x + 1.1087\text{E-}005$$

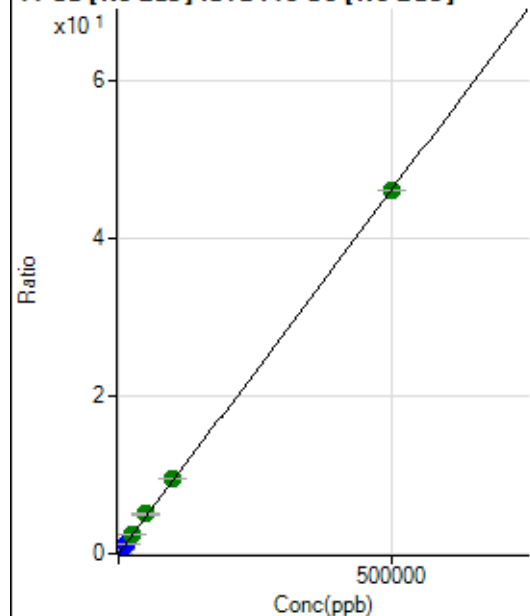
$$R = 0.9999$$

$$DL = 2.068$$

$$BEC = 1.993$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio   | Det. | RSD |
|---|--------------------------|-----------|------------|------------|---------|------|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 2792.08    | 0.0022  | P    | 4.6 |
| 2 | <input type="checkbox"/> | 50.000    |            |            |         |      |     |
| 3 | <input type="checkbox"/> | 500.000   | 487.234    | 57774.39   | 0.0471  | P    | 1.0 |
| 4 | <input type="checkbox"/> | 5000.000  | 5146.073   | 583942.17  | 0.4762  | P    | 0.5 |
| 5 | <input type="checkbox"/> | 12500.000 | 12548.675  | 1366883.37 | 1.1581  | P    | 0.3 |
| 6 | <input type="checkbox"/> | 25000.000 | 25398.742  | 2534843.61 | 2.3418  | A    | 0.8 |
| 7 | <input type="checkbox"/> | 50000.000 | 54247.473  | 5011022.34 | 4.9991  | A    | 8.6 |
| 8 | <input type="checkbox"/> | 100000.00 | 102472.44  | 10116650.5 | 9.4412  | A    | 0.8 |
| 9 | <input type="checkbox"/> | 500000.00 | 499058.16  | 50628752.8 | 45.9714 | A    | 0.1 |

$$y = 9.2112\text{E-}005 * x + 0.0022$$

$$R = 1.0000$$

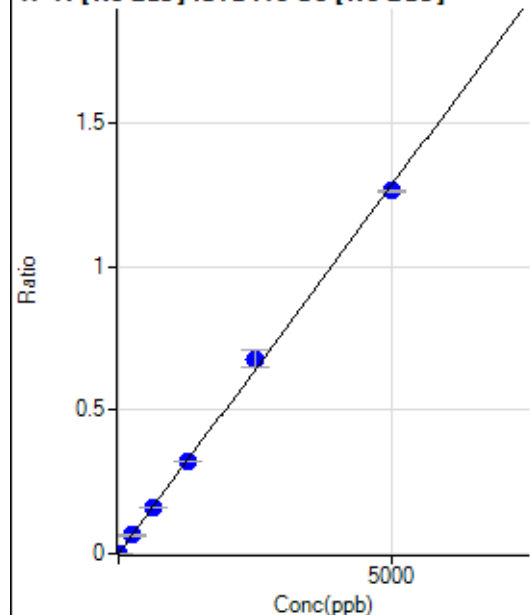
$$DL = 3.346$$

$$BEC = 24.2$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 19.44      | 0.0000 | P   | 98.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.116      | 1630.71    | 0.0013 | P   | 8.6  |
| 4 | <input type="checkbox"/> | 250.000  | 248.014    | 78154.04   | 0.0637 | P   | 1.2  |
| 5 | <input type="checkbox"/> | 625.000  | 624.587    | 189440.35  | 0.1605 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 1250.000 | 1251.787   | 348182.48  | 0.3217 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 2500.000 | 2646.849   | 681782.62  | 0.6801 | P   | 8.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4926.279   | 1356385.24 | 1.2658 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 441.69     | 0.0004 | P   | 5.0  |

$$y = 2.5695E-004 * x + 1.5494E-005$$

$$R = 0.9994$$

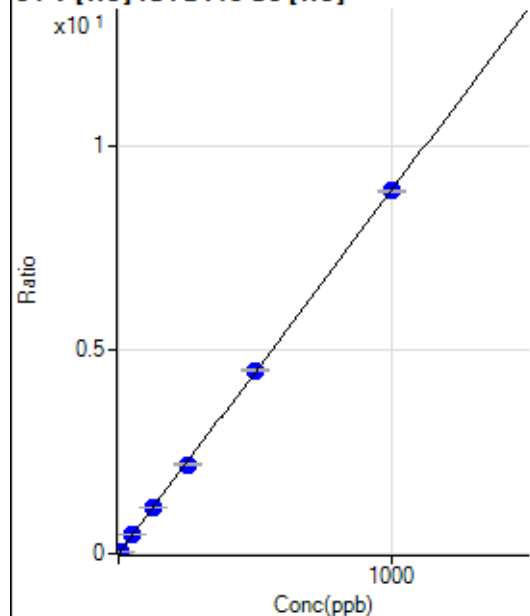
$$DL = 0.1786$$

$$BEC = 0.0603$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 2.22      | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.222      | 2514.70   | 0.0465 | P   | 4.1  |
| 4 | <input type="checkbox"/> | 50.000   | 51.393     | 24841.11  | 0.4571 | P   | 1.8  |
| 5 | <input type="checkbox"/> | 125.000  | 126.307    | 57439.16  | 1.1234 | P   | 1.4  |
| 6 | <input type="checkbox"/> | 250.000  | 245.737    | 109282.77 | 2.1855 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 504.754    | 219521.01 | 4.4891 | P   | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.455    | 446540.03 | 8.8799 | P   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 106.67    | 0.0022 | P   | 11.2 |

$$y = 0.0089 * x + 3.9901E-005$$

$$R = 1.0000$$

$$DL = 0.01166$$

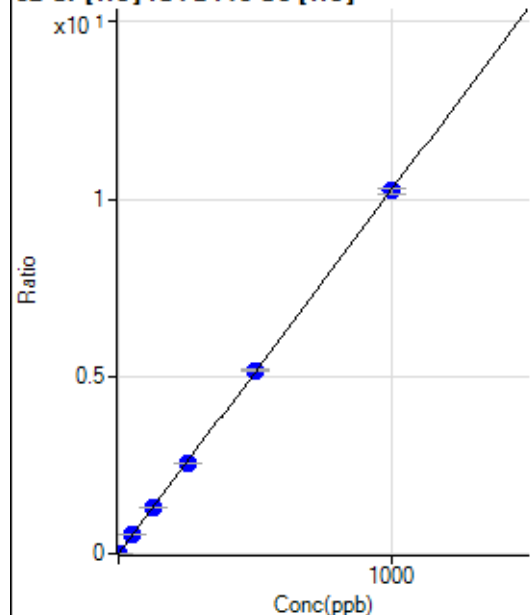
$$BEC = 0.004487$$

Weight: &lt;None&gt;

Min Conc: 0



52 Cr [He] ISTD:45 Sc [He]



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio   | Det | RSD |
|---|--------------------------|----------|------------|-----------|---------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 185.56    | 0.0033  | P   | 7.5 |
| 2 | <input type="checkbox"/> | 0.200    |            |           |         |     |     |
| 3 | <input type="checkbox"/> | 2.000    | 1.881      | 1223.40   | 0.0226  | P   | 8.7 |
| 4 | <input type="checkbox"/> | 50.000   | 52.101     | 29187.93  | 0.5372  | P   | 1.9 |
| 5 | <input type="checkbox"/> | 125.000  | 128.540    | 67513.73  | 1.3204  | P   | 1.0 |
| 6 | <input type="checkbox"/> | 250.000  | 248.029    | 127246.42 | 2.5447  | P   | 0.7 |
| 7 | <input type="checkbox"/> | 500.000  | 504.372    | 252885.85 | 5.1713  | P   | 0.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 997.760    | 514240.20 | 10.2268 | P   | 1.5 |
| 9 | <input type="checkbox"/> |          |            | 9120.72   | 0.1856  | P   | 2.5 |

$$y = 0.0102 * x + 0.0033$$

$$R = 1.0000$$

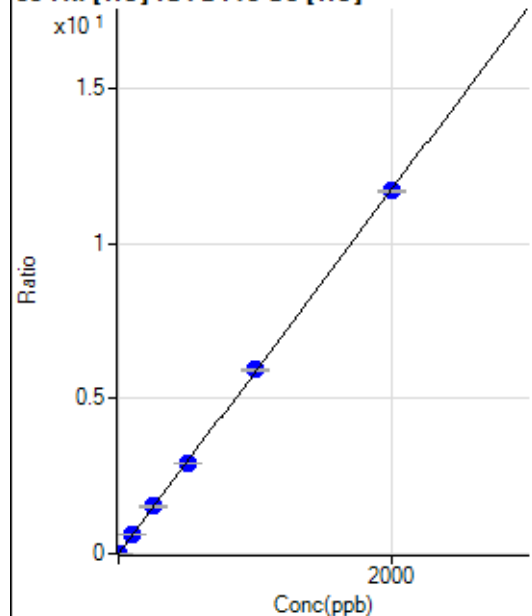
$$DL = 0.07318$$

$$BEC = 0.3251$$

Weight: &lt;None&gt;

Min Conc: 0

55 Mn [He] ISTD:45 Sc [He]



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|-----------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 20.00     | 0.0004  | P   | 59.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |         |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.083      | 363.35    | 0.0067  | P   | 2.0  |
| 4 | <input type="checkbox"/> | 100.000  | 103.428    | 33001.59  | 0.6075  | P   | 3.2  |
| 5 | <input type="checkbox"/> | 250.000  | 259.424    | 77883.57  | 1.5231  | P   | 0.6  |
| 6 | <input type="checkbox"/> | 500.000  | 499.741    | 146697.44 | 2.9338  | P   | 0.7  |
| 7 | <input type="checkbox"/> | 1000.000 | 1010.049   | 289942.18 | 5.9292  | P   | 0.9  |
| 8 | <input type="checkbox"/> | 2000.000 | 1993.691   | 588509.14 | 11.7030 | P   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 1710.13   | 0.0348  | P   | 2.7  |

$$y = 0.0059 * x + 3.5863E-004$$

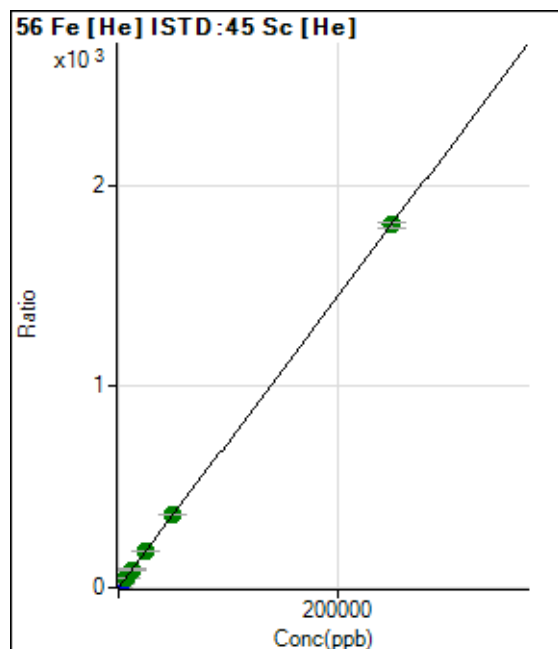
$$R = 1.0000$$

$$DL = 0.1097$$

$$BEC = 0.0611$$

Weight: &lt;None&gt;

Min Conc: 0



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio     | Det | RSD |
|---|--------------------------|-----------|------------|------------|-----------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 848.20     | 0.0152    | P   | 4.9 |
| 2 | <input type="checkbox"/> | 5.000     |            |            |           |     |     |
| 3 | <input type="checkbox"/> | 50.000    | 56.238     | 22764.35   | 0.4207    | P   | 1.5 |
| 4 | <input type="checkbox"/> | 2500.000  | 2722.443   | 1067375.59 | 19.6443   | P   | 1.9 |
| 5 | <input type="checkbox"/> | 6250.000  | 6492.056   | 2394248.64 | 46.8237   | A   | 0.5 |
| 6 | <input type="checkbox"/> | 12500.000 | 12536.951  | 4520606.35 | 90.4081   | A   | 1.1 |
| 7 | <input type="checkbox"/> | 25000.000 | 25601.445  | 9027183.42 | 184.6046  | A   | 1.1 |
| 8 | <input type="checkbox"/> | 50000.000 | 50167.755  | 18189534.9 | 361.7305  | A   | 1.2 |
| 9 | <input type="checkbox"/> | 250000.00 | 249896.18  | 88564847.3 | 1,801.795 | A   | 1.3 |

$$y = 0.0072 * x + 0.0152$$

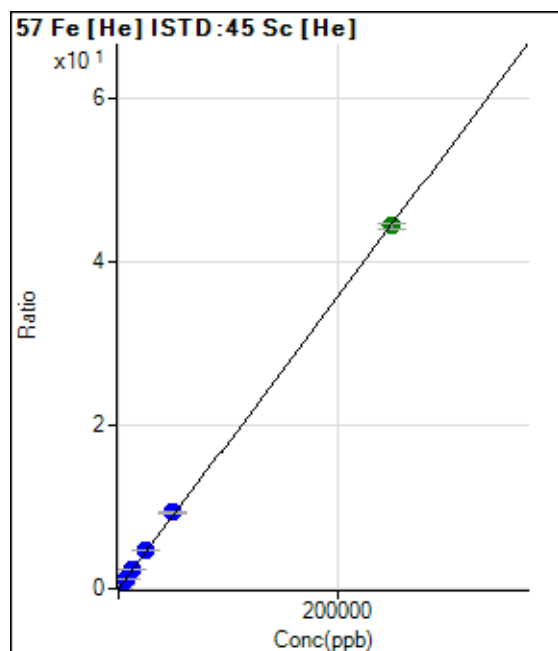
$$R = 1.0000$$

$$DL = 0.3133$$

$$BEC = 2.111$$

Weight: <None>

Min Conc: 0



|   | R <sub>jc</sub><br>t     | Conc.     | Calc Conc. | CPS        | Ratio   | Det | RSD  |
|---|--------------------------|-----------|------------|------------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000     | 0.000      | 46.30      | 0.0008  | P   | 13.8 |
| 2 | <input type="checkbox"/> | 5.000     |            |            |         |     |      |
| 3 | <input type="checkbox"/> | 50.000    | 56.075     | 585.22     | 0.0108  | P   | 3.7  |
| 4 | <input type="checkbox"/> | 2500.000  | 2789.151   | 27036.40   | 0.4976  | P   | 1.5  |
| 5 | <input type="checkbox"/> | 6250.000  | 6686.452   | 60931.99   | 1.1917  | P   | 1.6  |
| 6 | <input type="checkbox"/> | 12500.000 | 12974.394  | 115579.26  | 2.3115  | P   | 1.3  |
| 7 | <input type="checkbox"/> | 25000.000 | 26534.277  | 231140.62  | 4.7265  | P   | 0.2  |
| 8 | <input type="checkbox"/> | 50000.000 | 52287.459  | 468333.82  | 9.3130  | P   | 0.5  |
| 9 | <input type="checkbox"/> | 250000.00 | 249351.55  | 2182742.82 | 44.4093 | A   | 1.6  |

$$y = 1.7810E-004 * x + 8.3087E-004$$

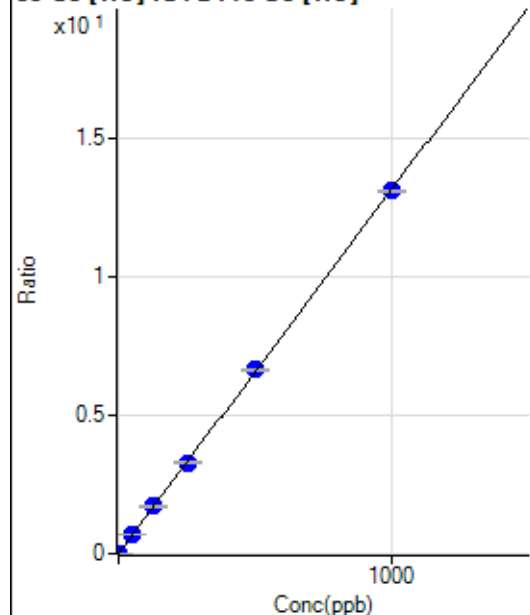
$$R = 0.9999$$

$$DL = 1.933$$

$$BEC = 4.665$$

Weight: <None>

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|-----------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.55     | 0.0005  | P   | 27.2 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |         |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.940      | 694.47    | 0.0128  | P   | 8.2  |
| 4 | <input type="checkbox"/> | 50.000   | 52.552     | 37639.49  | 0.6927  | P   | 1.9  |
| 5 | <input type="checkbox"/> | 125.000  | 129.760    | 87428.28  | 1.7098  | P   | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 250.331    | 164908.14 | 3.2981  | P   | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 505.034    | 325363.27 | 6.6532  | P   | 0.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.678    | 660264.71 | 13.1296 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 7818.87   | 0.1590  | P   | 1.3  |

$$y = 0.0132 * x + 4.5860E-004$$

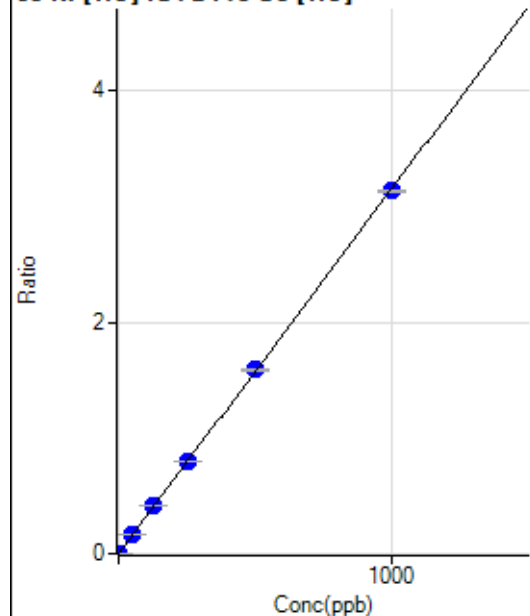
$$R = 1.0000$$

$$DL = 0.02837$$

$$BEC = 0.03481$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 16.67     | 0.0003 | P   | 39.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.112      | 205.56    | 0.0038 | P   | 22.5 |
| 4 | <input type="checkbox"/> | 50.000   | 54.340     | 9325.31   | 0.1716 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 133.367    | 21511.52  | 0.4207 | P   | 1.3  |
| 6 | <input type="checkbox"/> | 250.000  | 253.051    | 39903.17  | 0.7980 | P   | 1.0  |
| 7 | <input type="checkbox"/> | 500.000  | 505.472    | 77942.42  | 1.5937 | P   | 0.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.238    | 157785.84 | 3.1376 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 2999.24   | 0.0610 | P   | 1.6  |

$$y = 0.0032 * x + 2.9898E-004$$

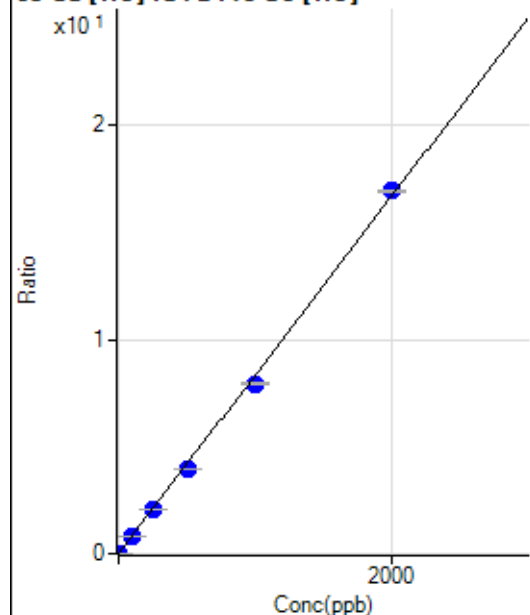
$$R = 0.9999$$

$$DL = 0.1132$$

$$BEC = 0.09485$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio   | Det | RSD  |
|---|--------------------------|----------|------------|-----------|---------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 101.11    | 0.0018  | P   | 16.7 |
| 2 | <input type="checkbox"/> | 0.200    |            |           |         |     |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.868      | 940.05    | 0.0174  | P   | 7.0  |
| 4 | <input type="checkbox"/> | 100.000  | 99.922     | 45353.49  | 0.8347  | P   | 2.1  |
| 5 | <input type="checkbox"/> | 250.000  | 246.795    | 105276.07 | 2.0589  | P   | 0.8  |
| 6 | <input type="checkbox"/> | 500.000  | 474.169    | 197708.61 | 3.9541  | P   | 1.3  |
| 7 | <input type="checkbox"/> | 1000.000 | 951.392    | 387880.97 | 7.9318  | P   | 0.7  |
| 8 | <input type="checkbox"/> | 2000.000 | 2031.166   | 851499.32 | 16.9318 | P   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1087.84   | 0.0221  | P   | 2.7  |

$$y = 0.0083 * x + 0.0018$$

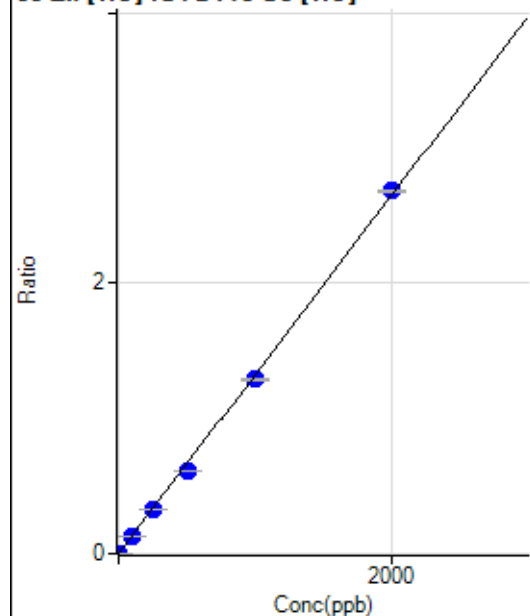
$$R = 0.9995$$

$$DL = 0.109$$

$$BEC = 0.2177$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 37.78     | 0.0007 | P   | 56.7 |
| 2 | <input type="checkbox"/> | 0.200    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.936      | 175.56    | 0.0032 | P   | 14.7 |
| 4 | <input type="checkbox"/> | 100.000  | 99.301     | 7188.54   | 0.1323 | P   | 3.4  |
| 5 | <input type="checkbox"/> | 250.000  | 241.275    | 16390.52  | 0.3205 | P   | 0.1  |
| 6 | <input type="checkbox"/> | 500.000  | 459.435    | 30488.61  | 0.6098 | P   | 1.5  |
| 7 | <input type="checkbox"/> | 1000.000 | 971.989    | 63052.25  | 1.2893 | P   | 0.9  |
| 8 | <input type="checkbox"/> | 2000.000 | 2025.272   | 135060.62 | 2.6856 | P   | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 1101.17   | 0.0224 | P   | 2.5  |

$$y = 0.0013 * x + 6.7754E-004$$

$$R = 0.9996$$

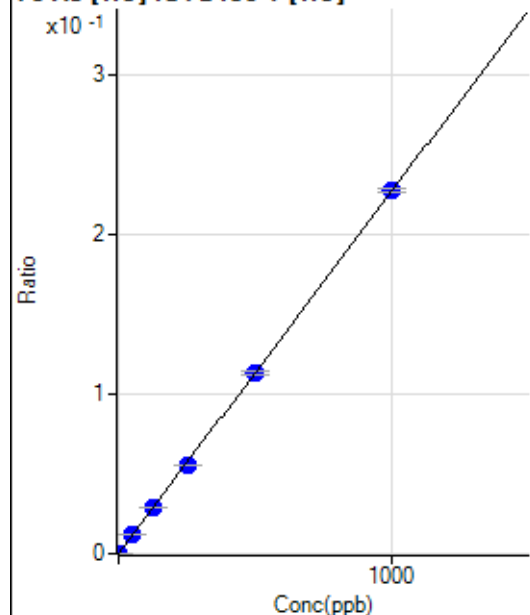
$$DL = 0.869$$

$$BEC = 0.5111$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.85     | 0.0000 | P   | 99.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.873      | 40.74    | 0.0002 | P   | 11.7 |
| 4 | <input type="checkbox"/> | 50.000   | 50.992     | 2297.73  | 0.0116 | P   | 2.3  |
| 5 | <input type="checkbox"/> | 125.000  | 126.485    | 5443.03  | 0.0287 | P   | 2.5  |
| 6 | <input type="checkbox"/> | 250.000  | 243.364    | 10363.02 | 0.0552 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 500.000  | 499.251    | 20735.83 | 0.1133 | P   | 2.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 1001.798   | 42448.17 | 0.2273 | P   | 1.1  |
| 9 | <input type="checkbox"/> |          |            | 57.41    | 0.0003 | P   | 3.3  |

$$y = 2.2685\text{E-}004 * x + 9.1461\text{E-}006$$

$$R = 1.0000$$

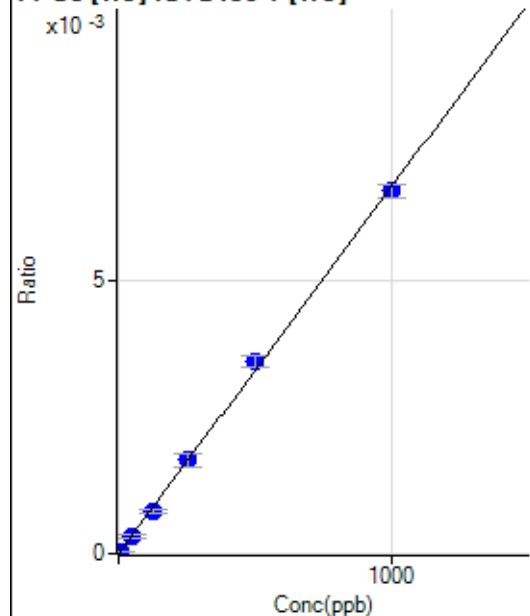
$$DL = 0.1207$$

$$BEC = 0.04032$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 0.00    | 0.0000 | P   |      |
| 2 | <input type="checkbox"/> | 0.500    |            |         |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.054      | 6.67    | 0.0000 | P   | 1.3  |
| 4 | <input type="checkbox"/> | 50.000   | 47.505     | 63.33   | 0.0003 | P   | 20.9 |
| 5 | <input type="checkbox"/> | 125.000  | 116.062    | 147.78  | 0.0008 | P   | 11.9 |
| 6 | <input type="checkbox"/> | 250.000  | 255.349    | 322.23  | 0.0017 | P   | 15.5 |
| 7 | <input type="checkbox"/> | 500.000  | 522.224    | 642.25  | 0.0035 | P   | 6.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 988.793    | 1240.07 | 0.0066 | P   | 3.9  |
| 9 | <input type="checkbox"/> |          |            | 0.00    | 0.0000 | P   |      |

$$y = 6.7159\text{E-}006 * x + 0.0000\text{E+}000$$

$$R = 0.9995$$

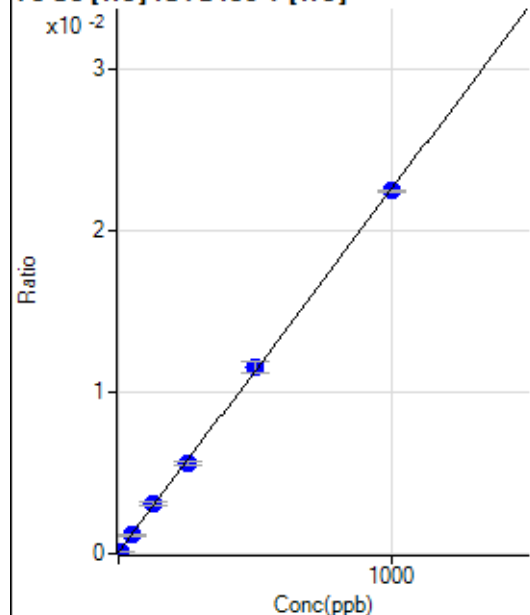
$$DL = 0$$

$$BEC = 0$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS     | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|---------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 18.52   | 0.0001 | P   | 36.0 |
| 2 | <input type="checkbox"/> | 0.500    |            |         |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 1.795      | 25.93   | 0.0001 | P   | 11.9 |
| 4 | <input type="checkbox"/> | 50.000   | 48.653     | 235.19  | 0.0012 | P   | 10.5 |
| 5 | <input type="checkbox"/> | 125.000  | 131.740    | 579.03  | 0.0031 | P   | 8.4  |
| 6 | <input type="checkbox"/> | 250.000  | 245.312    | 1051.90 | 0.0056 | P   | 2.5  |
| 7 | <input type="checkbox"/> | 500.000  | 510.893    | 2118.08 | 0.0116 | P   | 6.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.966    | 4193.85 | 0.0225 | P   | 0.8  |
| 9 | <input type="checkbox"/> |          |            | 12.96   | 0.0001 | P   | 22.9 |

$$y = 2.2477\text{E-}005 * x + 9.1526\text{E-}005$$

$$R = 0.9999$$

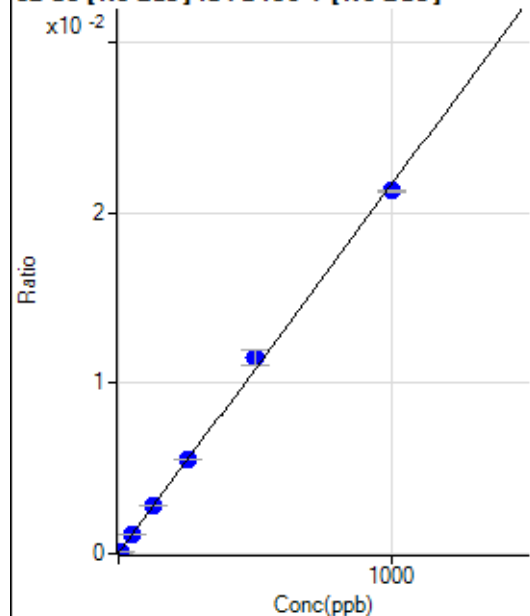
$$DL = 4.393$$

$$BEC = 4.072$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 45.31    | 0.0000 | P   | 4.4  |
| 2 | <input type="checkbox"/> | 0.500    |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.449      | 185.15   | 0.0001 | P   | 16.0 |
| 4 | <input type="checkbox"/> | 50.000   | 51.249     | 1649.74  | 0.0011 | P   | 2.5  |
| 5 | <input type="checkbox"/> | 125.000  | 127.661    | 3912.66  | 0.0028 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 253.872    | 7461.49  | 0.0055 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 500.000  | 530.605    | 14449.04 | 0.0115 | P   | 8.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 983.337    | 28485.48 | 0.0213 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 35.39    | 0.0000 | P   | 22.7 |

$$y = 2.1629\text{E-}005 * x + 3.2925\text{E-}005$$

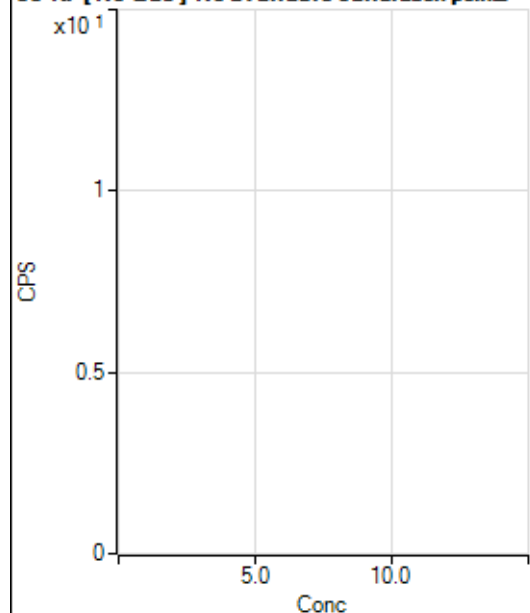
$$R = 0.9993$$

$$DL = 0.2029$$

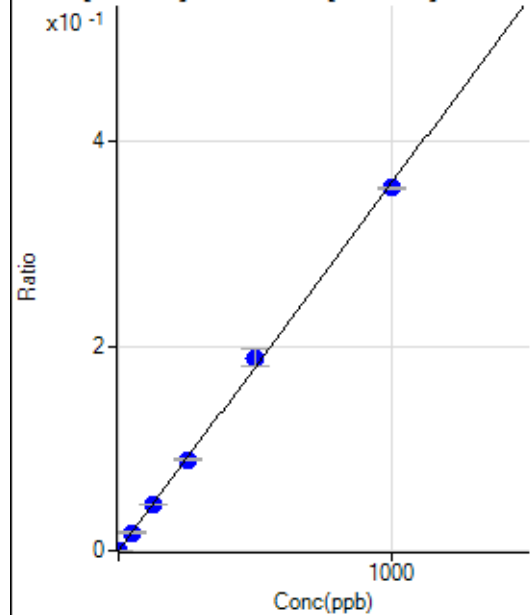
$$BEC = 1.522$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS   | Ratio | Det<br>. | RSD  |
|---|--------------------------|-------|------------|-------|-------|----------|------|
| 1 | <input type="checkbox"/> |       |            | 52.22 |       | P        | 7.4  |
| 2 | <input type="checkbox"/> |       |            |       |       |          |      |
| 3 | <input type="checkbox"/> |       |            | 58.89 |       | P        | 51.0 |
| 4 | <input type="checkbox"/> |       |            | 57.78 |       | P        | 8.8  |
| 5 | <input type="checkbox"/> |       |            | 42.22 |       | P        | 16.4 |
| 6 | <input type="checkbox"/> |       |            | 46.67 |       | P        | 18.9 |
| 7 | <input type="checkbox"/> |       |            | 38.89 |       | P        | 30.1 |
| 8 | <input type="checkbox"/> |       |            | 46.67 |       | P        | 14.3 |
| 9 | <input type="checkbox"/> |       |            | 66.66 |       | P        | 8.7  |

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

|   | Rjc<br>t                 | Conc.    | Calc Conc. | CPS       | Ratio  | Det<br>. | RSD  |
|---|--------------------------|----------|------------|-----------|--------|----------|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 69.45     | 0.0001 | P        | 24.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |          |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.029      | 602.82    | 0.0004 | P        | 17.3 |
| 4 | <input type="checkbox"/> | 50.000   | 49.501     | 25779.65  | 0.0178 | P        | 1.7  |
| 5 | <input type="checkbox"/> | 125.000  | 125.318    | 63117.18  | 0.0451 | P        | 1.3  |
| 6 | <input type="checkbox"/> | 250.000  | 248.164    | 120510.92 | 0.0892 | P        | 0.4  |
| 7 | <input type="checkbox"/> | 500.000  | 525.816    | 237238.39 | 0.1890 | P        | 8.6  |
| 8 | <input type="checkbox"/> | 1000.000 | 987.536    | 474549.99 | 0.3549 | P        | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 1936.32   | 0.0015 | P        | 5.9  |

$$y = 3.5930E-004 * x + 5.0453E-005$$

$$R = 0.9995$$

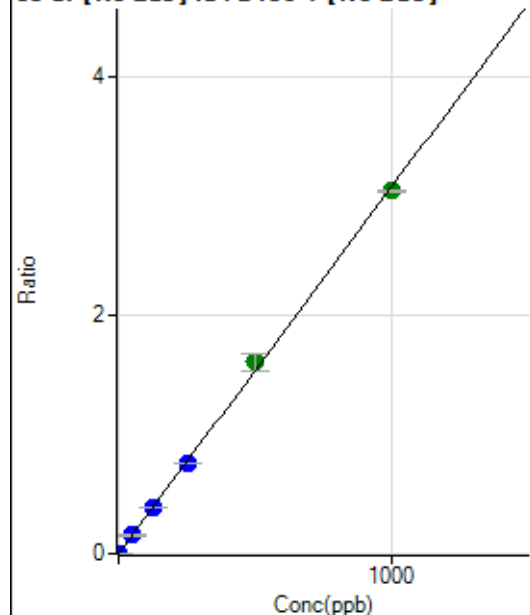
$$DL = 0.1048$$

$$BEC = 0.1404$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00      | 0.0000 | P   | 60.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.915      | 4084.09    | 0.0028 | P   | 1.4  |
| 4 | <input type="checkbox"/> | 50.000   | 49.832     | 221337.47  | 0.1531 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 125.000  | 124.842    | 537102.30  | 0.3836 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 245.991    | 1020806.22 | 0.7558 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 523.145    | 2017579.88 | 1.6073 | A   | 8.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.458    | 4065095.06 | 3.0399 | A   | 0.2  |
| 9 | <input type="checkbox"/> |          |            | 16590.80   | 0.0129 | P   | 1.7  |

$$y = 0.0031 * x + 3.6346E-005$$

$$R = 0.9996$$

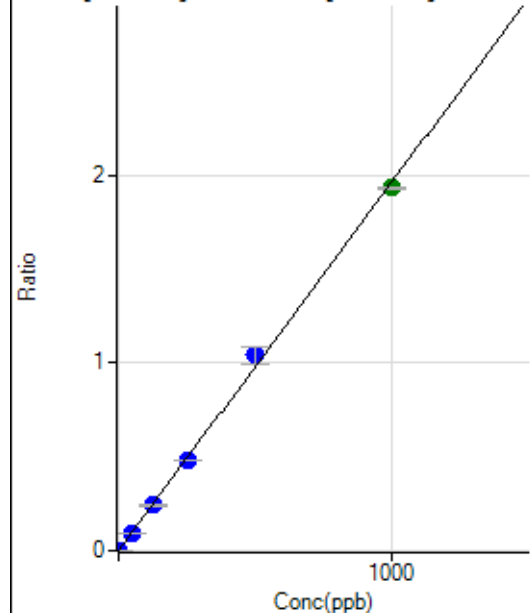
$$DL = 0.02133$$

$$BEC = 0.01183$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 100.00     | 0.0001 | P   | 28.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.909      | 2661.48    | 0.0019 | P   | 3.2  |
| 4 | <input type="checkbox"/> | 50.000   | 48.622     | 137923.94  | 0.0954 | P   | 1.5  |
| 5 | <input type="checkbox"/> | 125.000  | 122.785    | 337282.99  | 0.2409 | P   | 0.8  |
| 6 | <input type="checkbox"/> | 250.000  | 246.690    | 653608.54  | 0.4839 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 531.033    | 1307780.90 | 1.0415 | P   | 8.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 985.657    | 2585068.90 | 1.9331 | A   | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 716.72     | 0.0006 | P   | 11.6 |

$$y = 0.0020 * x + 7.2669E-005$$

$$R = 0.9993$$

$$DL = 0.0321$$

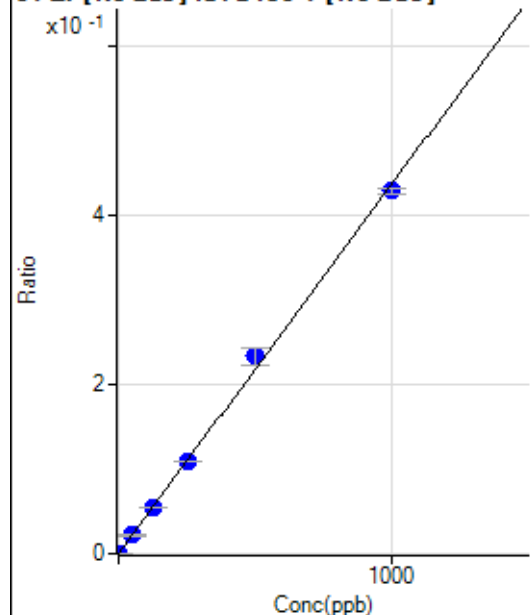
$$BEC = 0.03705$$

Weight: &lt;None&gt;

Min Conc: 0



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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00     | 0.0000 | P   | 0.1  |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.900      | 588.92    | 0.0004 | P   | 16.5 |
| 4 | <input type="checkbox"/> | 50.000   | 49.792     | 31410.45  | 0.0217 | P   | 2.3  |
| 5 | <input type="checkbox"/> | 125.000  | 125.515    | 76669.43  | 0.0548 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 249.328    | 146880.15 | 0.1087 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 534.365    | 292551.90 | 0.2330 | P   | 8.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 982.932    | 573223.78 | 0.4287 | P   | 1.3  |
| 9 | <input type="checkbox"/> |          |            | 169.45    | 0.0001 | P   | 32.0 |

$$y = 4.3608\text{E-}004 * x + 1.8166\text{E-}005$$

$$R = 0.9991$$

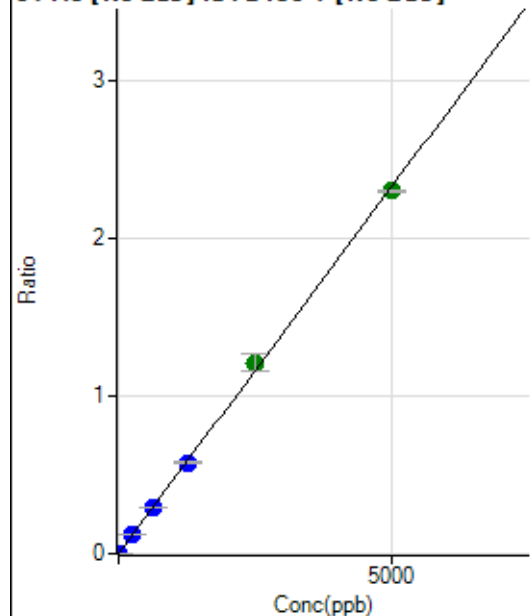
$$DL = 0.0001548$$

$$BEC = 0.04166$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 47.22      | 0.0000 | P   | 53.8 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.472      | 3030.99    | 0.0021 | P   | 1.7  |
| 4 | <input type="checkbox"/> | 250.000  | 253.368    | 170289.56  | 0.1178 | P   | 0.8  |
| 5 | <input type="checkbox"/> | 625.000  | 627.431    | 408477.22  | 0.2917 | P   | 0.1  |
| 6 | <input type="checkbox"/> | 1250.000 | 1241.477   | 779566.50  | 0.5772 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 2500.000 | 2607.744   | 1522034.66 | 1.2123 | A   | 8.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4947.787   | 3075897.62 | 2.3002 | A   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 1650.17    | 0.0013 | P   | 3.0  |

$$y = 4.6488\text{E-}004 * x + 3.4306\text{E-}005$$

$$R = 0.9997$$

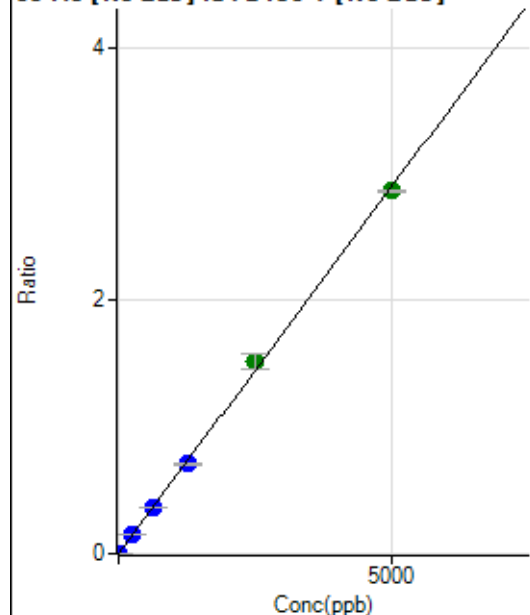
$$DL = 0.1191$$

$$BEC = 0.0738$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 13.89      | 0.0000 | P   | 91.7 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.620      | 3853.46    | 0.0027 | P   | 1.0  |
| 4 | <input type="checkbox"/> | 250.000  | 249.783    | 209158.77  | 0.1447 | P   | 0.4  |
| 5 | <input type="checkbox"/> | 625.000  | 622.298    | 504804.35  | 0.3605 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 1250.000 | 1228.196   | 960931.10  | 0.7115 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2619.628   | 1905815.06 | 1.5176 | A   | 7.9  |
| 8 | <input type="checkbox"/> | 5000.000 | 4945.986   | 3831584.03 | 2.8653 | A   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 2291.95    | 0.0018 | P   | 5.7  |

$$y = 5.7931\text{E-}004 * x + 1.0100\text{E-}005$$

$$R = 0.9996$$

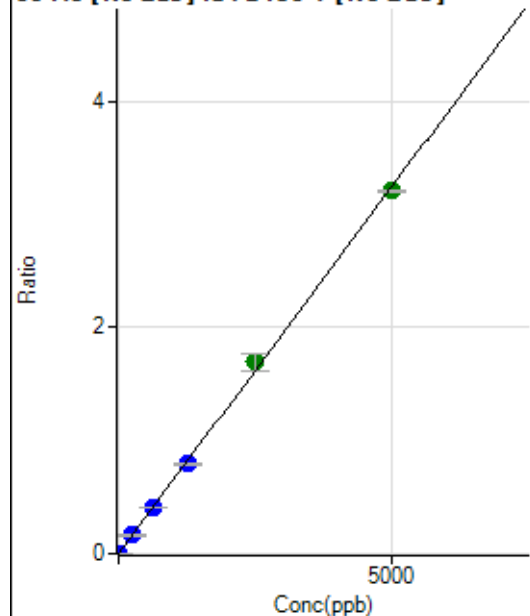
$$DL = 0.04795$$

$$BEC = 0.01744$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 33.33      | 0.0000 | P   | 25.1 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.609      | 4323.05    | 0.0030 | P   | 4.6  |
| 4 | <input type="checkbox"/> | 250.000  | 249.385    | 233870.50  | 0.1618 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 625.000  | 623.070    | 566022.08  | 0.4042 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1222.503   | 1071198.23 | 0.7931 | P   | 1.1  |
| 7 | <input type="checkbox"/> | 2500.000 | 2614.988   | 2129587.61 | 1.6965 | A   | 8.7  |
| 8 | <input type="checkbox"/> | 5000.000 | 4949.653   | 4293976.96 | 3.2111 | A   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 3670.07    | 0.0029 | P   | 2.8  |

$$y = 6.4874\text{E-}004 * x + 2.4224\text{E-}005$$

$$R = 0.9996$$

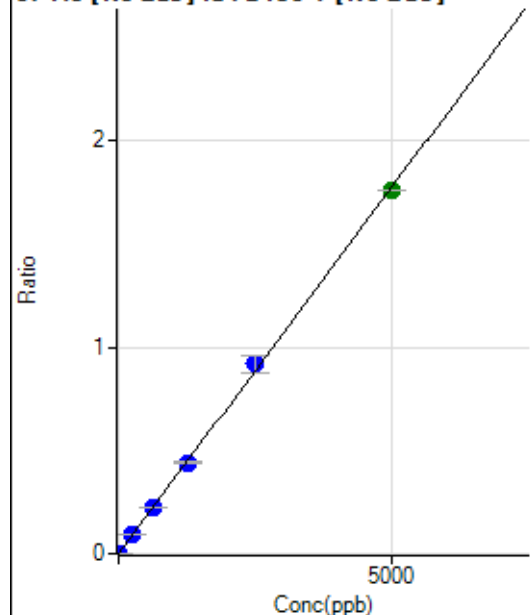
$$DL = 0.02811$$

$$BEC = 0.03734$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.55       | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 4.850      | 2475.32    | 0.0017 | P   | 9.8  |
| 4 | <input type="checkbox"/> | 250.000  | 252.706    | 129657.27  | 0.0897 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 625.000  | 633.136    | 314710.75  | 0.2247 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 1250.000 | 1244.628   | 596698.85  | 0.4418 | P   | 1.6  |
| 7 | <input type="checkbox"/> | 2500.000 | 2590.308   | 1154372.16 | 0.9195 | P   | 8.5  |
| 8 | <input type="checkbox"/> | 5000.000 | 4955.037   | 2352091.42 | 1.7589 | A   | 0.1  |
| 9 | <input type="checkbox"/> |          |            | 1444.58    | 0.0011 | P   | 1.7  |

$$y = 3.5497\text{E-}004 * x + 4.0327\text{E-}006$$

$$R = 0.9998$$

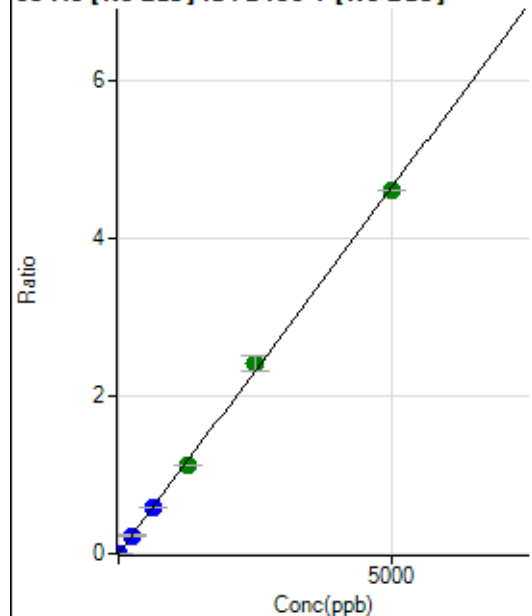
$$DL = 0.02952$$

$$BEC = 0.01136$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD |
|---|--------------------------|----------|------------|------------|--------|-----|-----|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 25.00      | 0.0000 | P   | 0.1 |
| 2 | <input type="checkbox"/> | 0.500    |            |            |        |     |     |
| 3 | <input type="checkbox"/> | 5.000    | 4.778      | 6390.58    | 0.0045 | P   | 2.1 |
| 4 | <input type="checkbox"/> | 250.000  | 248.866    | 334063.55  | 0.2311 | P   | 1.2 |
| 5 | <input type="checkbox"/> | 625.000  | 621.452    | 808150.58  | 0.5771 | P   | 0.3 |
| 6 | <input type="checkbox"/> | 1250.000 | 1208.314   | 1515591.81 | 1.1222 | A   | 1.1 |
| 7 | <input type="checkbox"/> | 2500.000 | 2604.831   | 3036509.33 | 2.4191 | A   | 8.8 |
| 8 | <input type="checkbox"/> | 5000.000 | 4958.507   | 6157880.96 | 4.6049 | A   | 0.1 |
| 9 | <input type="checkbox"/> |          |            | 3675.63    | 0.0029 | P   | 4.5 |

$$y = 9.2868\text{E-}004 * x + 1.8166\text{E-}005$$

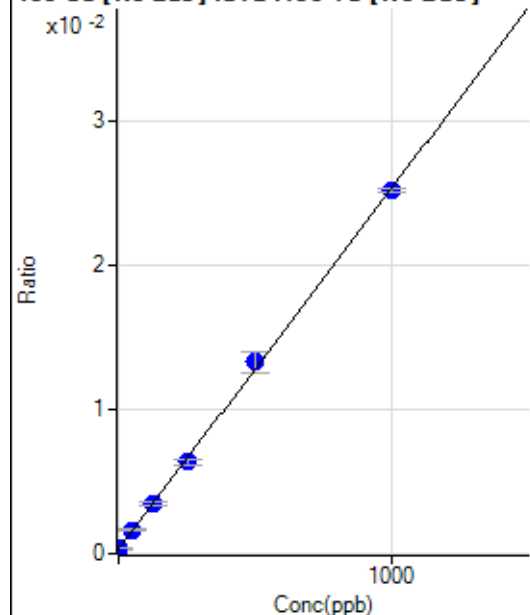
$$R = 0.9996$$

$$DL = 7.267\text{E-}05$$

$$BEC = 0.01956$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 450.03   | 0.0003 | P   | 3.1  |
| 2 | <input type="checkbox"/> | 0.100    |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 2.114      | 541.70   | 0.0004 | P   | 10.3 |
| 4 | <input type="checkbox"/> | 50.000   | 53.438     | 2486.43  | 0.0016 | P   | 6.9  |
| 5 | <input type="checkbox"/> | 125.000  | 127.745    | 5231.73  | 0.0035 | P   | 8.1  |
| 6 | <input type="checkbox"/> | 250.000  | 241.349    | 9370.15  | 0.0063 | P   | 5.3  |
| 7 | <input type="checkbox"/> | 500.000  | 517.866    | 18546.09 | 0.0133 | P   | 10.7 |
| 8 | <input type="checkbox"/> | 1000.000 | 992.713    | 37166.35 | 0.0251 | P   | 1.0  |
| 9 | <input type="checkbox"/> |          |            | 427.80   | 0.0003 | P   | 12.8 |

$$y = 2.4990\text{E-}005 * x + 3.1429\text{E-}004$$

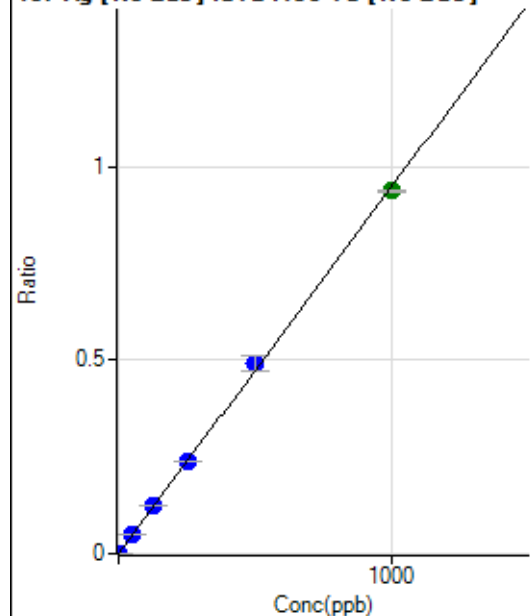
$$R = 0.9997$$

$$DL = 1.174$$

$$BEC = 12.58$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 19.44      | 0.0000 | P   | 65.3 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.996      | 1414.02    | 0.0010 | P   | 7.6  |
| 4 | <input type="checkbox"/> | 50.000   | 53.915     | 77057.06   | 0.0511 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 130.419    | 184423.32  | 0.1236 | P   | 1.1  |
| 6 | <input type="checkbox"/> | 250.000  | 250.001    | 349975.14  | 0.2370 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 519.978    | 690499.75  | 0.4929 | P   | 8.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.137    | 1387184.41 | 0.9376 | A   | 0.4  |
| 9 | <input type="checkbox"/> |          |            | 77.78      | 0.0001 | P   | 21.9 |

$$y = 9.4790\text{E-}004 * x + 1.3570\text{E-}005$$

$$R = 0.9997$$

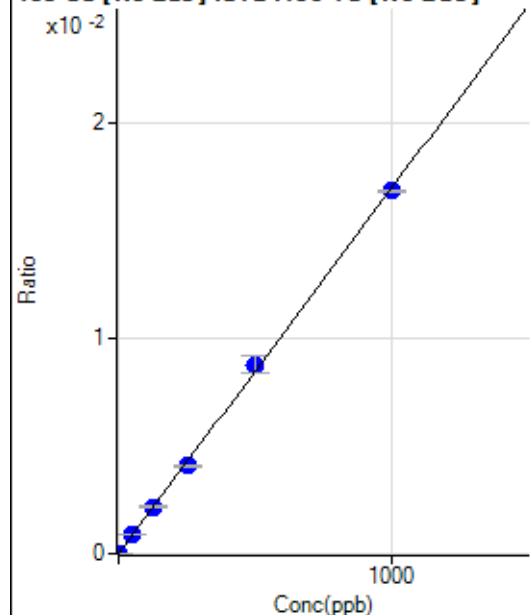
$$DL = 0.02805$$

$$BEC = 0.01432$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS      | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 1.39     | 0.0000 | P   | 173. |
| 2 | <input type="checkbox"/> | 0.100    |            |          |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.165      | 30.56    | 0.0000 | P   | 31.3 |
| 4 | <input type="checkbox"/> | 50.000   | 53.127     | 1358.43  | 0.0009 | P   | 7.4  |
| 5 | <input type="checkbox"/> | 125.000  | 127.968    | 3235.15  | 0.0022 | P   | 3.5  |
| 6 | <input type="checkbox"/> | 250.000  | 240.250    | 6012.49  | 0.0041 | P   | 3.7  |
| 7 | <input type="checkbox"/> | 500.000  | 517.583    | 12280.52 | 0.0088 | P   | 9.0  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.118    | 24892.96 | 0.0168 | P   | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 6.95     | 0.0000 | P   | 69.0 |

$$y = 1.6942\text{E-}005 * x + 9.6897\text{E-}007$$

$$R = 0.9997$$

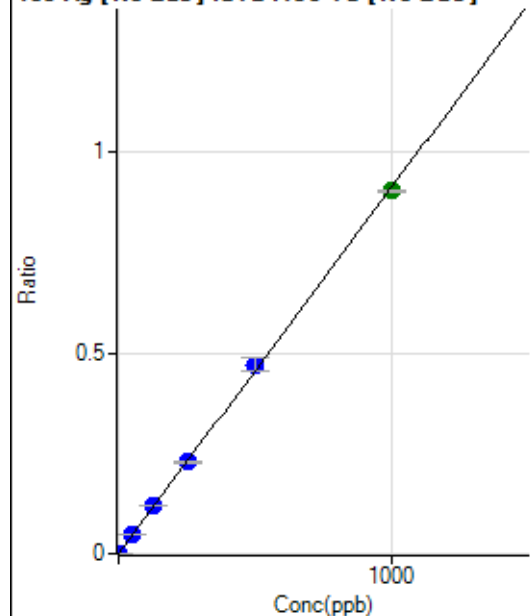
$$DL = 0.2972$$

$$BEC = 0.05719$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.33       | 0.0000 | P   | 100. |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.088      | 1472.37    | 0.0010 | P   | 2.2  |
| 4 | <input type="checkbox"/> | 50.000   | 53.377     | 73349.17   | 0.0487 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 130.943    | 178047.07  | 0.1194 | P   | 0.3  |
| 6 | <input type="checkbox"/> | 250.000  | 249.598    | 335982.44  | 0.2275 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 516.779    | 659958.47  | 0.4710 | P   | 7.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 990.799    | 1336084.23 | 0.9031 | A   | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 72.23      | 0.0001 | P   | 18.0 |

$$y = 9.1149\text{E-}004 * x + 5.8209\text{E-}006$$

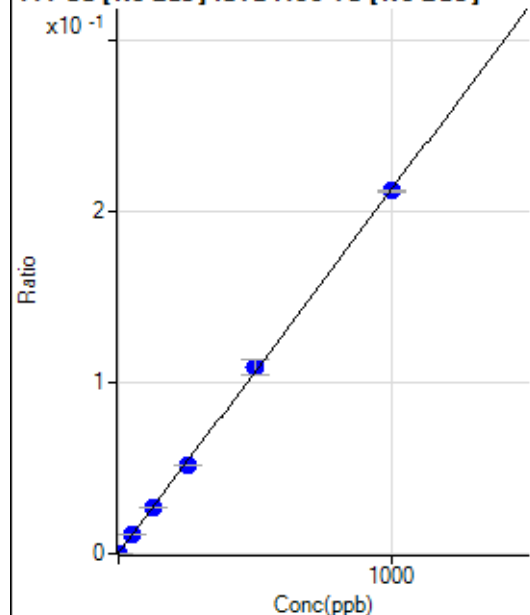
$$R = 0.9998$$

$$DL = 0.01918$$

$$BEC = 0.006386$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 320.99    | 0.0002 | P   | 3.6  |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 1.065      | 664.75    | 0.0005 | P   | 8.2  |
| 4 | <input type="checkbox"/> | 50.000   | 51.562     | 16855.90  | 0.0112 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 125.000  | 126.596    | 40468.43  | 0.0271 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 242.135    | 76324.65  | 0.0517 | P   | 0.6  |
| 7 | <input type="checkbox"/> | 500.000  | 510.509    | 152282.62 | 0.1087 | P   | 8.4  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.434    | 313642.08 | 0.2120 | P   | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 348.76    | 0.0003 | P   | 12.9 |

$$y = 2.1253\text{E-}004 * x + 2.2417\text{E-}004$$

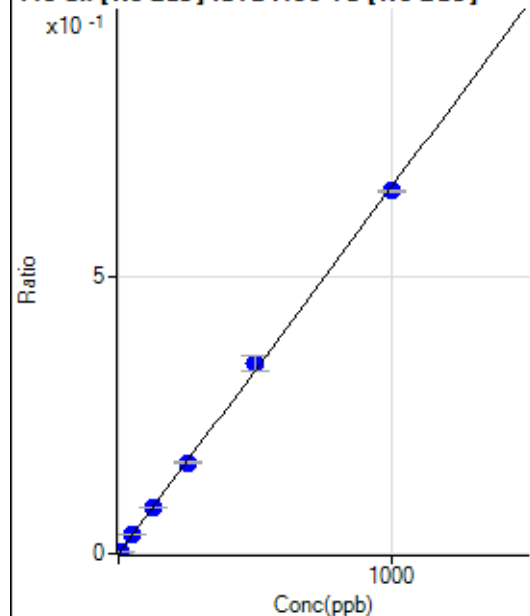
$$R = 0.9999$$

$$DL = 0.1141$$

$$BEC = 1.055$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 63.89     | 0.0000 | P   | 15.2 |
| 2 | <input type="checkbox"/> | 0.500    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 5.000    | 5.271      | 5212.29   | 0.0035 | P   | 1.9  |
| 4 | <input type="checkbox"/> | 50.000   | 51.186     | 51116.02  | 0.0339 | P   | 1.0  |
| 5 | <input type="checkbox"/> | 125.000  | 126.305    | 124721.74 | 0.0836 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 248.653    | 243008.08 | 0.1646 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 521.248    | 483163.70 | 0.3449 | P   | 8.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 989.489    | 968594.69 | 0.6547 | P   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 425.03    | 0.0003 | P   | 20.3 |

$$y = 6.6161\text{E-}004 * x + 4.4627\text{E-}005$$

$$R = 0.9997$$

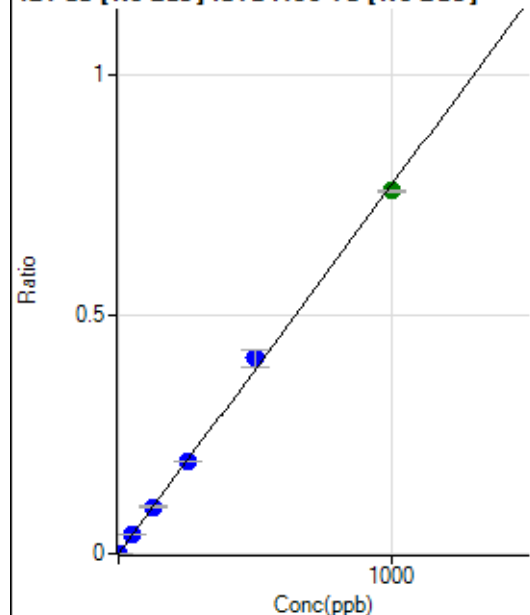
$$DL = 0.03068$$

$$BEC = 0.06745$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.55       | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 0.200    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 2.000    | 1.919      | 2189.15    | 0.0015 | P   | 3.8  |
| 4 | <input type="checkbox"/> | 50.000   | 51.103     | 59415.29   | 0.0394 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 127.083    | 146208.22  | 0.0980 | P   | 1.2  |
| 6 | <input type="checkbox"/> | 250.000  | 250.531    | 285334.65  | 0.1932 | P   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 530.369    | 572965.16  | 0.4090 | P   | 8.3  |
| 8 | <input type="checkbox"/> | 1000.000 | 984.368    | 1123135.25 | 0.7592 | A   | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 1761.31    | 0.0013 | P   | 5.8  |

$$y = 7.7123\text{E-}004 * x + 3.8820\text{E-}006$$

$$R = 0.9993$$

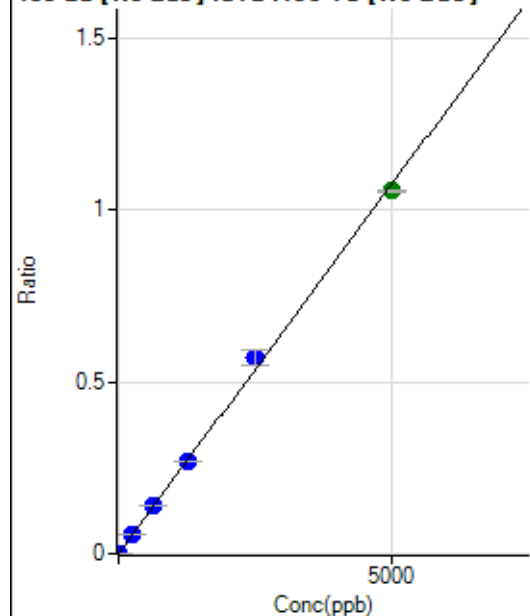
$$DL = 0.01308$$

$$BEC = 0.005034$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 5.55       | 0.0000 | P   | 86.6 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.793      | 3108.82    | 0.0021 | P   | 5.6  |
| 4 | <input type="checkbox"/> | 250.000  | 256.871    | 83140.62   | 0.0552 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 625.000  | 642.972    | 205946.03  | 0.1381 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 1250.000 | 1256.513   | 398417.55  | 0.2698 | P   | 0.7  |
| 7 | <input type="checkbox"/> | 2500.000 | 2659.129   | 799757.27  | 0.5709 | P   | 8.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4916.218   | 1561645.06 | 1.0556 | A   | 0.6  |
| 9 | <input type="checkbox"/> |          |            | 180.56     | 0.0001 | P   | 9.5  |

$$y = 2.1471\text{E-}004 * x + 3.8762\text{E-}006$$

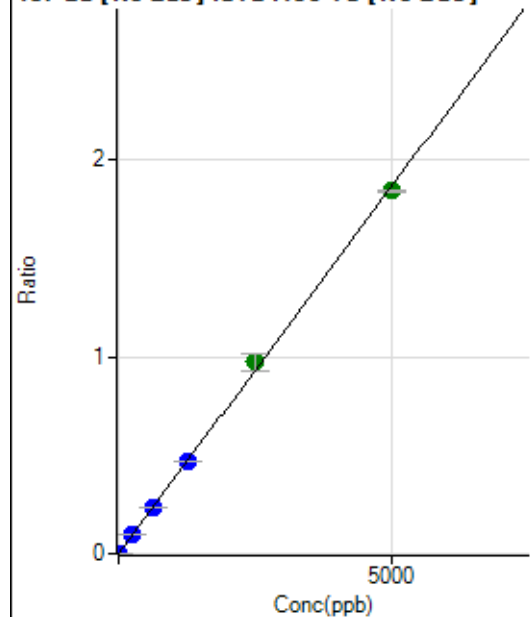
$$R = 0.9992$$

$$DL = 0.0469$$

$$BEC = 0.01805$$

Weight: &lt;None&gt;

Min Conc: 0

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

|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 8.33       | 0.0000 | P   | 99.9 |
| 2 | <input type="checkbox"/> | 1.000    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 10.000   | 9.820      | 5406.83    | 0.0037 | P   | 3.2  |
| 4 | <input type="checkbox"/> | 250.000  | 258.358    | 145098.82  | 0.0963 | P   | 1.6  |
| 5 | <input type="checkbox"/> | 625.000  | 640.602    | 356005.37  | 0.2387 | P   | 0.2  |
| 6 | <input type="checkbox"/> | 1250.000 | 1258.520   | 692386.90  | 0.4689 | P   | 0.2  |
| 7 | <input type="checkbox"/> | 2500.000 | 2606.737   | 1360309.04 | 0.9711 | A   | 8.3  |
| 8 | <input type="checkbox"/> | 5000.000 | 4942.134   | 2723842.20 | 1.8412 | A   | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 322.24     | 0.0002 | P   | 11.8 |

$$y = 3.7254E-004 * x + 5.8150E-006$$

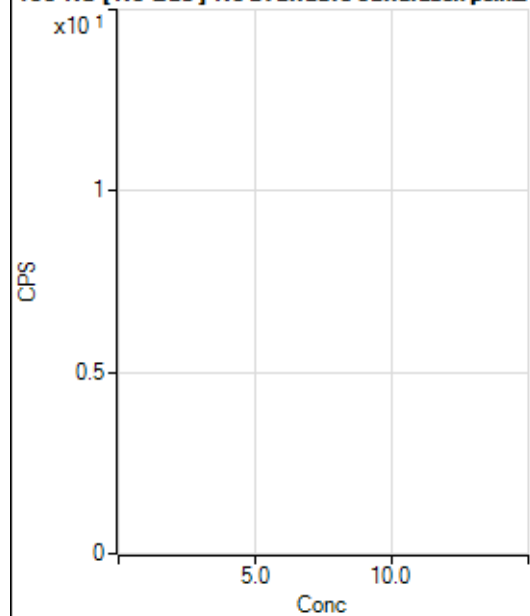
$$R = 0.9997$$

$$DL = 0.04679$$

$$BEC = 0.01561$$

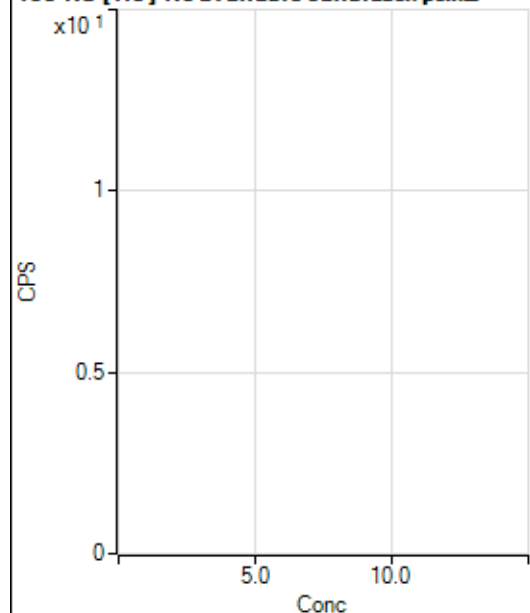
Weight: &lt;None&gt;

Min Conc: 0

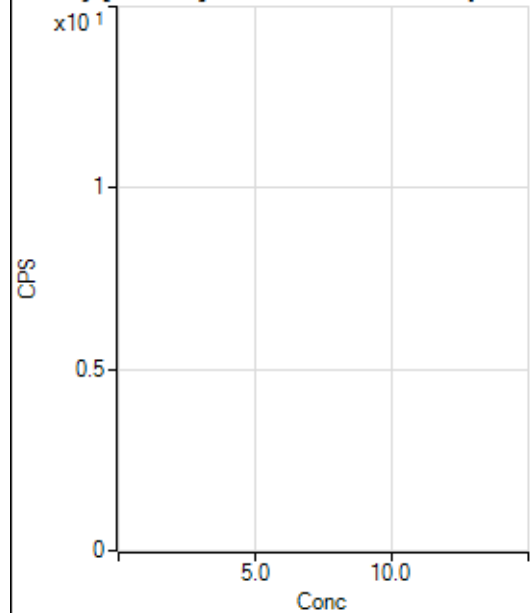
**150 Nd [No Gas] No available calibration points**

|   | R <sub>jc</sub><br>t     | Conc. | Calc Conc. | CPS    | Ratio | Det | RSD  |
|---|--------------------------|-------|------------|--------|-------|-----|------|
| 1 | <input type="checkbox"/> |       |            | 0.00   |       | P   |      |
| 2 | <input type="checkbox"/> |       |            |        |       |     |      |
| 3 | <input type="checkbox"/> |       |            | 2.22   |       | P   | 173. |
| 4 | <input type="checkbox"/> |       |            | 6.67   |       | P   | 100. |
| 5 | <input type="checkbox"/> |       |            | 8.89   |       | P   | 86.6 |
| 6 | <input type="checkbox"/> |       |            | 26.67  |       | P   | 50.0 |
| 7 | <input type="checkbox"/> |       |            | 71.12  |       | P   | 32.9 |
| 8 | <input type="checkbox"/> |       |            | 120.01 |       | P   | 29.4 |
| 9 | <input type="checkbox"/> |       |            | 22.22  |       | P   | 45.8 |

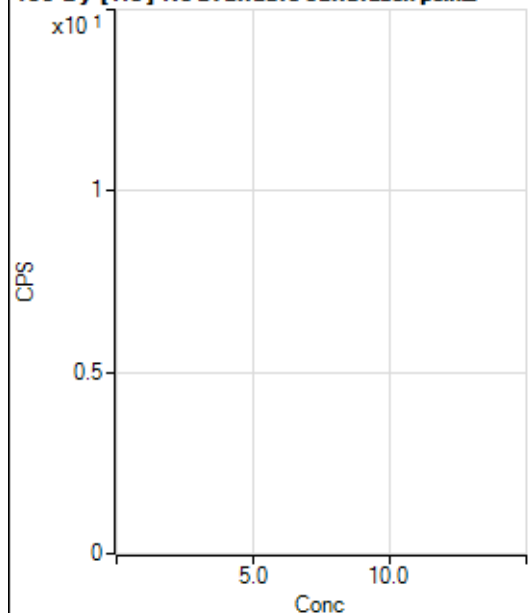


**150 Nd [He] No available calibration points**

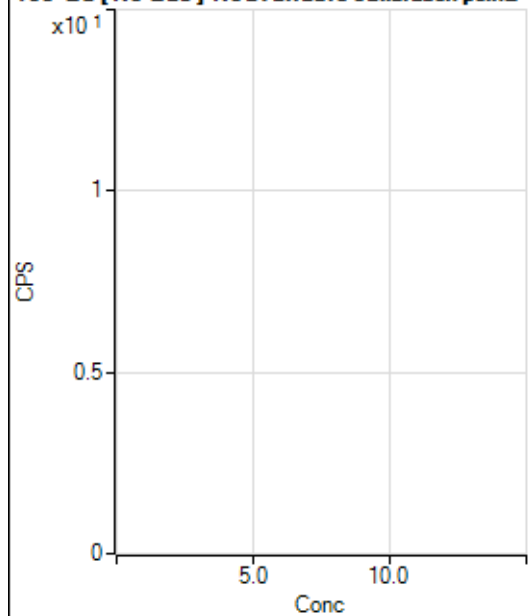
|   | Rjct                     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 0.00  |       | P    |      |
| 2 | <input type="checkbox"/> |       |            |       |       |      |      |
| 3 | <input type="checkbox"/> |       |            | 0.00  |       | P    |      |
| 4 | <input type="checkbox"/> |       |            | 0.00  |       | P    |      |
| 5 | <input type="checkbox"/> |       |            | 0.00  |       | P    |      |
| 6 | <input type="checkbox"/> |       |            | 2.22  |       | P    | 173. |
| 7 | <input type="checkbox"/> |       |            | 6.67  |       | P    | 100. |
| 8 | <input type="checkbox"/> |       |            | 13.33 |       | P    | 86.6 |
| 9 | <input type="checkbox"/> |       |            | 16.67 |       | P    | 20.0 |

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

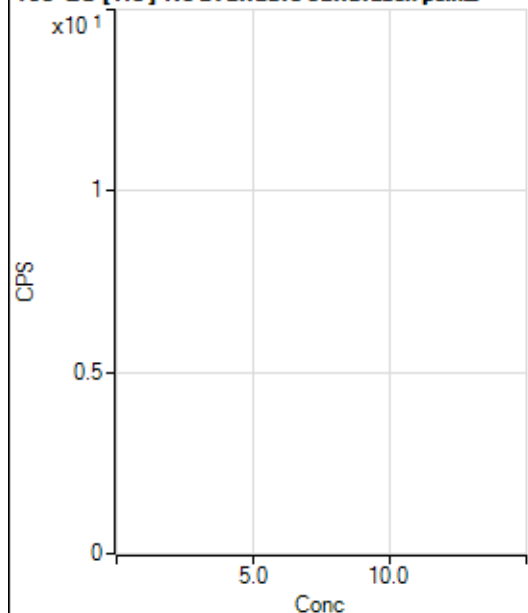
|   | Rjct                     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 2.78  |       | P    | 173. |
| 2 | <input type="checkbox"/> |       |            |       |       |      |      |
| 3 | <input type="checkbox"/> |       |            | 2.78  |       | P    | 173. |
| 4 | <input type="checkbox"/> |       |            | 5.56  |       | P    | 173. |
| 5 | <input type="checkbox"/> |       |            | 2.78  |       | P    | 173. |
| 6 | <input type="checkbox"/> |       |            | 5.56  |       | P    | 173. |
| 7 | <input type="checkbox"/> |       |            | 11.11 |       | P    | 114. |
| 8 | <input type="checkbox"/> |       |            | 27.78 |       | P    | 105. |
| 9 | <input type="checkbox"/> |       |            | 13.89 |       | P    | 34.7 |

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

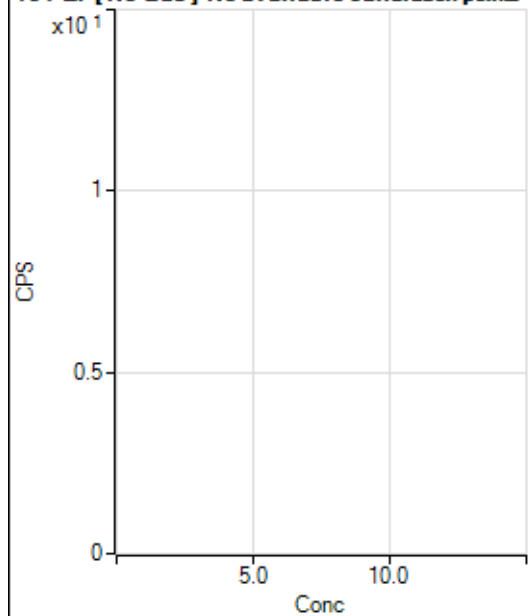
|   | Rjct                     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 1.11  |       | P    | 173. |
| 2 | <input type="checkbox"/> |       |            |       |       |      |      |
| 3 | <input type="checkbox"/> |       |            | 1.11  |       | P    | 173. |
| 4 | <input type="checkbox"/> |       |            | 2.22  |       | P    | 86.6 |
| 5 | <input type="checkbox"/> |       |            | 7.78  |       | P    | 65.5 |
| 6 | <input type="checkbox"/> |       |            | 6.67  |       | P    | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 13.33 |       | P    | 25.0 |
| 8 | <input type="checkbox"/> |       |            | 21.11 |       | P    | 24.1 |
| 9 | <input type="checkbox"/> |       |            | 15.55 |       | P    | 24.8 |

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

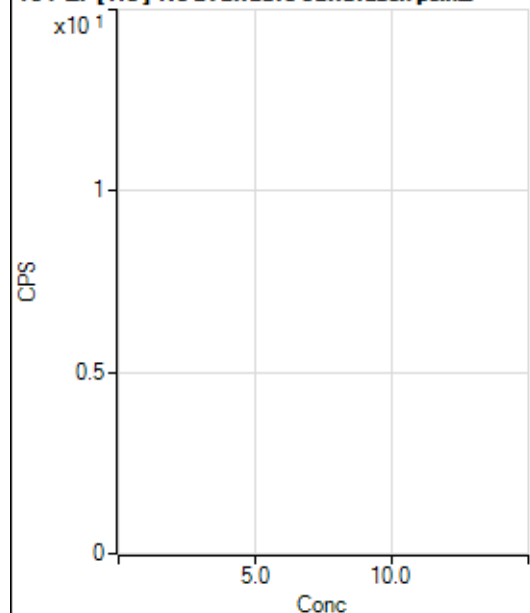
|   | Rjct                     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 11.11 |       | P    | 114. |
| 2 | <input type="checkbox"/> |       |            |       |       |      |      |
| 3 | <input type="checkbox"/> |       |            | 5.55  |       | P    | 86.6 |
| 4 | <input type="checkbox"/> |       |            | 19.44 |       | P    | 65.5 |
| 5 | <input type="checkbox"/> |       |            | 8.33  |       | P    | 173. |
| 6 | <input type="checkbox"/> |       |            | 11.11 |       | P    | 114. |
| 7 | <input type="checkbox"/> |       |            | 0.00  |       | P    |      |
| 8 | <input type="checkbox"/> |       |            | 22.22 |       | P    | 21.6 |
| 9 | <input type="checkbox"/> |       |            | 2.78  |       | P    | 173. |

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

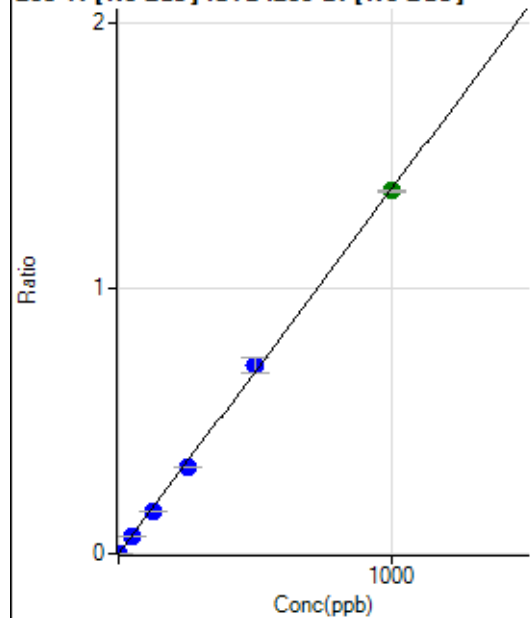
|   | Rjct                     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 25.55 |       | P    | 27.1 |
| 2 | <input type="checkbox"/> |       |            |       |       |      |      |
| 3 | <input type="checkbox"/> |       |            | 24.44 |       | P    | 34.3 |
| 4 | <input type="checkbox"/> |       |            | 18.89 |       | P    | 71.3 |
| 5 | <input type="checkbox"/> |       |            | 28.89 |       | P    | 17.6 |
| 6 | <input type="checkbox"/> |       |            | 21.11 |       | P    | 9.1  |
| 7 | <input type="checkbox"/> |       |            | 27.78 |       | P    | 34.6 |
| 8 | <input type="checkbox"/> |       |            | 31.11 |       | P    | 16.4 |
| 9 | <input type="checkbox"/> |       |            | 25.56 |       | P    | 7.5  |

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

|   | Rjct                     | Conc. | Calc Conc. | CPS   | Ratio | Det. | RSD  |
|---|--------------------------|-------|------------|-------|-------|------|------|
| 1 | <input type="checkbox"/> |       |            | 5.55  |       | P    | 86.6 |
| 2 | <input type="checkbox"/> |       |            |       |       |      |      |
| 3 | <input type="checkbox"/> |       |            | 0.00  |       | P    |      |
| 4 | <input type="checkbox"/> |       |            | 2.78  |       | P    | 173. |
| 5 | <input type="checkbox"/> |       |            | 2.78  |       | P    | 173. |
| 6 | <input type="checkbox"/> |       |            | 2.78  |       | P    | 173. |
| 7 | <input type="checkbox"/> |       |            | 5.55  |       | P    | 86.6 |
| 8 | <input type="checkbox"/> |       |            | 11.11 |       | P    | 114. |
| 9 | <input type="checkbox"/> |       |            | 16.67 |       | P    | 100. |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS  | Ratio | Det | RSD  |
|---|--------------------------|-------|------------|------|-------|-----|------|
| 1 | <input type="checkbox"/> |       |            | 2.22 |       | P   | 86.6 |
| 2 | <input type="checkbox"/> |       |            |      |       |     |      |
| 3 | <input type="checkbox"/> |       |            | 1.11 |       | P   | 173. |
| 4 | <input type="checkbox"/> |       |            | 3.33 |       | P   | 100. |
| 5 | <input type="checkbox"/> |       |            | 2.22 |       | P   | 173. |
| 6 | <input type="checkbox"/> |       |            | 2.22 |       | P   | 86.6 |
| 7 | <input type="checkbox"/> |       |            | 0.00 |       | P   |      |
| 8 | <input type="checkbox"/> |       |            | 4.44 |       | P   | 43.4 |
| 9 | <input type="checkbox"/> |       |            | 8.89 |       | P   | 57.3 |

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

|   | Rjc<br>t                 | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 36.11      | 0.0000 | P   | 73.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.816      | 1008.41    | 0.0012 | P   | 16.6 |
| 4 | <input type="checkbox"/> | 50.000   | 46.564     | 56780.54   | 0.0641 | P   | 1.7  |
| 5 | <input type="checkbox"/> | 125.000  | 115.669    | 140643.43  | 0.1591 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 236.213    | 284441.73  | 0.3249 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 518.547    | 576780.67  | 0.7132 | P   | 7.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 995.511    | 1132020.96 | 1.3692 | A   | 0.7  |
| 9 | <input type="checkbox"/> |          |            | 380.58     | 0.0005 | P   | 40.2 |

$$y = 0.0014 * x + 4.0900E-005$$

$$R = 0.9996$$

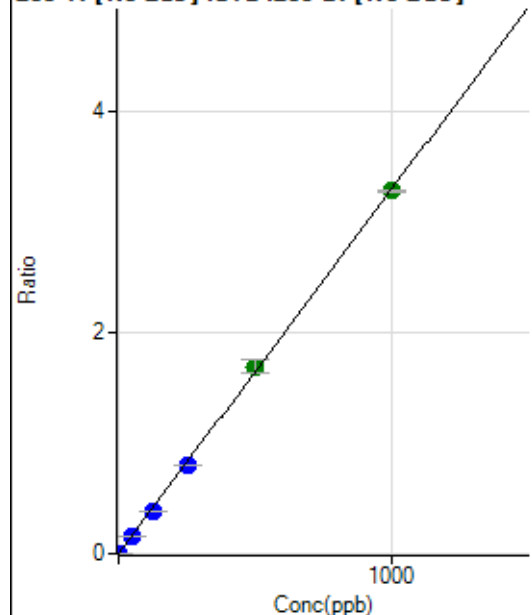
$$DL = 0.06569$$

$$BEC = 0.02974$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 119.45     | 0.0001 | P   | 33.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.863      | 2580.93    | 0.0030 | P   | 13.7 |
| 4 | <input type="checkbox"/> | 50.000   | 46.777     | 136681.95  | 0.1543 | P   | 1.4  |
| 5 | <input type="checkbox"/> | 125.000  | 118.316    | 344669.26  | 0.3900 | P   | 0.4  |
| 6 | <input type="checkbox"/> | 250.000  | 242.371    | 699199.46  | 0.7987 | P   | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 513.793    | 1369155.88 | 1.6930 | A   | 7.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.007    | 2713297.89 | 3.2818 | A   | 0.5  |
| 9 | <input type="checkbox"/> |          |            | 908.41     | 0.0013 | P   | 11.8 |

$$y = 0.0033 * x + 1.3535E-004$$

$$R = 0.9998$$

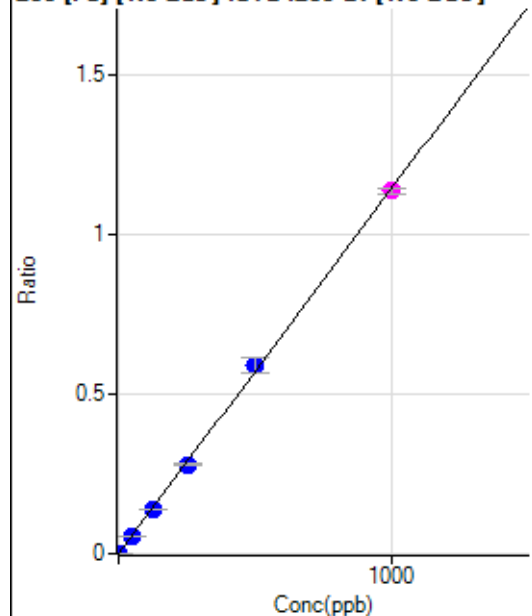
$$DL = 0.04167$$

$$BEC = 0.04108$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 50.00     | 0.0001 | P   | 19.7 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.959      | 998.22    | 0.0012 | P   | 4.3  |
| 4 | <input type="checkbox"/> | 50.000   | 48.076     | 48710.11  | 0.0550 | P   | 0.2  |
| 5 | <input type="checkbox"/> | 125.000  | 120.489    | 121697.86 | 0.1377 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 244.010    | 244055.03 | 0.2788 | P   | 1.2  |
| 7 | <input type="checkbox"/> | 500.000  | 516.503    | 477198.40 | 0.5901 | P   | 7.7  |
| 8 | <input type="checkbox"/> | 1000.000 | 993.906    | 938664.84 | 1.1354 | M   | 1.8  |
| 9 | <input type="checkbox"/> |          |            | 838.94    | 0.0012 | P   | 10.8 |

$$y = 0.0011 * x + 5.6769E-005$$

$$R = 0.9998$$

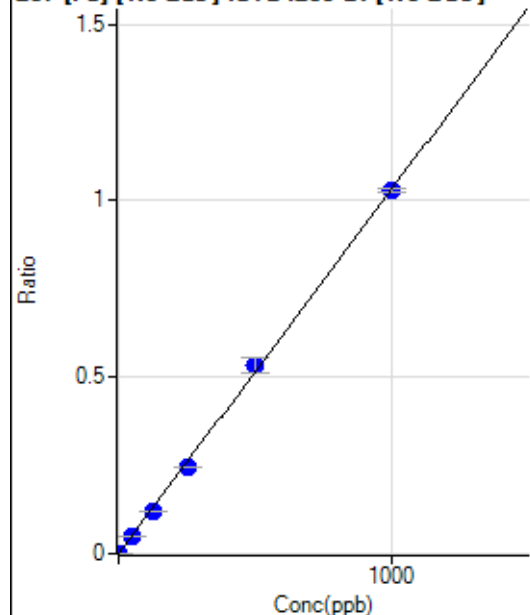
$$DL = 0.02931$$

$$BEC = 0.0497$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS       | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|-----------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 75.93     | 0.0001 | P   | 11.9 |
| 2 | <input type="checkbox"/> | 0.100    |            |           |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.725      | 722.26    | 0.0008 | P   | 12.3 |
| 4 | <input type="checkbox"/> | 50.000   | 47.274     | 43284.01  | 0.0489 | P   | 0.9  |
| 5 | <input type="checkbox"/> | 125.000  | 116.979    | 106729.42 | 0.1208 | P   | 0.1  |
| 6 | <input type="checkbox"/> | 250.000  | 237.143    | 214217.42 | 0.2447 | P   | 1.4  |
| 7 | <input type="checkbox"/> | 500.000  | 516.232    | 430620.93 | 0.5326 | P   | 8.2  |
| 8 | <input type="checkbox"/> | 1000.000 | 996.238    | 849675.56 | 1.0277 | P   | 1.2  |
| 9 | <input type="checkbox"/> |          |            | 598.18    | 0.0008 | P   | 9.2  |

$$y = 0.0010 * x + 8.6199E-005$$

$$R = 0.9997$$

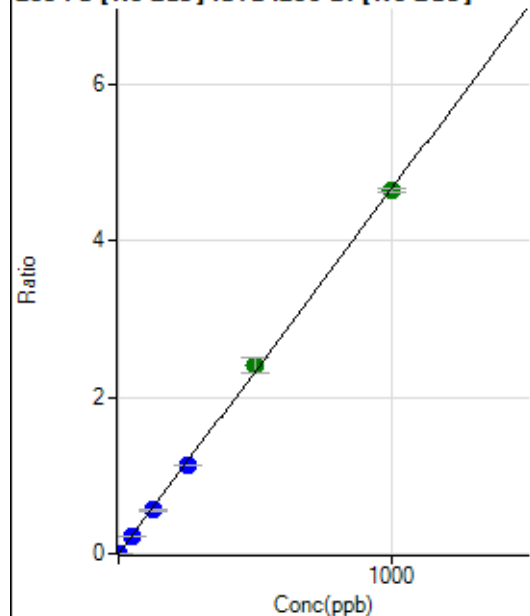
$$DL = 0.02986$$

$$BEC = 0.08357$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 279.64     | 0.0003 | P   | 12.8 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.838      | 3654.01    | 0.0042 | P   | 2.8  |
| 4 | <input type="checkbox"/> | 50.000   | 47.788     | 197433.48  | 0.2228 | P   | 0.2  |
| 5 | <input type="checkbox"/> | 125.000  | 118.903    | 489597.37  | 0.5539 | P   | 0.6  |
| 6 | <input type="checkbox"/> | 250.000  | 242.973    | 990619.29  | 1.1316 | P   | 1.3  |
| 7 | <input type="checkbox"/> | 500.000  | 515.524    | 1941095.08 | 2.4006 | A   | 8.1  |
| 8 | <input type="checkbox"/> | 1000.000 | 994.867    | 3829939.20 | 4.6325 | A   | 0.9  |
| 9 | <input type="checkbox"/> |          |            | 2998.36    | 0.0042 | P   | 6.4  |

$$y = 0.0047 * x + 3.1749E-004$$

$$R = 0.9998$$

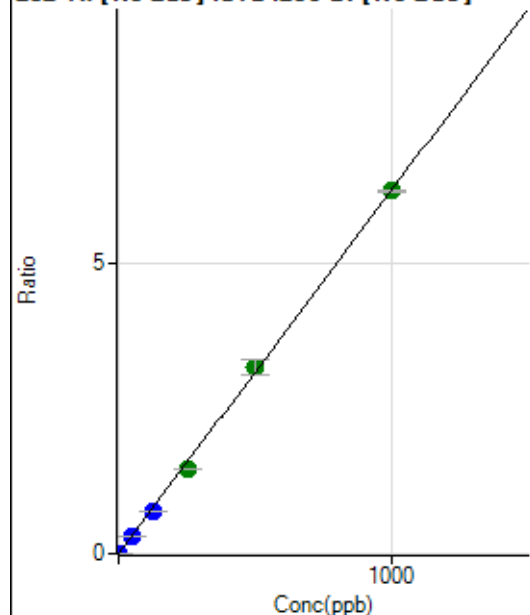
$$DL = 0.02613$$

$$BEC = 0.06819$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 29.63      | 0.0000 | P   | 46.6 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.786      | 4295.27    | 0.0050 | P   | 2.5  |
| 4 | <input type="checkbox"/> | 50.000   | 45.960     | 255237.93  | 0.2881 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 116.707    | 646457.20  | 0.7314 | P   | 1.0  |
| 6 | <input type="checkbox"/> | 250.000  | 231.709    | 1271231.67 | 1.4521 | A   | 0.8  |
| 7 | <input type="checkbox"/> | 500.000  | 514.925    | 2608653.01 | 3.2270 | A   | 8.5  |
| 8 | <input type="checkbox"/> | 1000.000 | 998.349    | 5172799.65 | 6.2565 | A   | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 774.12     | 0.0011 | P   | 6.3  |

$$y = 0.0063 * x + 3.3544E-005$$

$$R = 0.9996$$

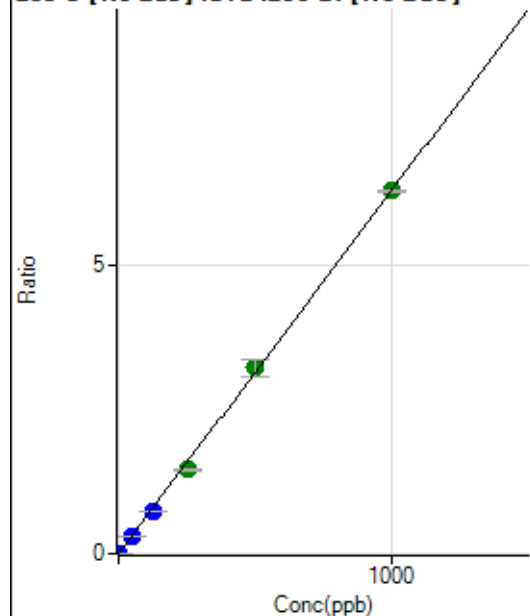
$$DL = 0.007487$$

$$BEC = 0.005353$$

Weight: &lt;None&gt;

Min Conc: 0

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



|   | R <sub>jc</sub><br>t     | Conc.    | Calc Conc. | CPS        | Ratio  | Det | RSD  |
|---|--------------------------|----------|------------|------------|--------|-----|------|
| 1 | <input type="checkbox"/> | 0.000    | 0.000      | 97.23      | 0.0001 | P   | 28.1 |
| 2 | <input type="checkbox"/> | 0.100    |            |            |        |     |      |
| 3 | <input type="checkbox"/> | 1.000    | 0.836      | 4637.14    | 0.0054 | P   | 4.1  |
| 4 | <input type="checkbox"/> | 50.000   | 45.879     | 255233.78  | 0.2881 | P   | 0.5  |
| 5 | <input type="checkbox"/> | 125.000  | 116.123    | 644246.91  | 0.7289 | P   | 0.9  |
| 6 | <input type="checkbox"/> | 250.000  | 231.060    | 1269614.94 | 1.4503 | A   | 0.9  |
| 7 | <input type="checkbox"/> | 500.000  | 512.615    | 2600564.36 | 3.2174 | A   | 8.8  |
| 8 | <input type="checkbox"/> | 1000.000 | 999.743    | 5187793.95 | 6.2746 | A   | 0.3  |
| 9 | <input type="checkbox"/> |          |            | 275.02     | 0.0004 | P   | 18.0 |

$$y = 0.0063 * x + 1.1044E-004$$

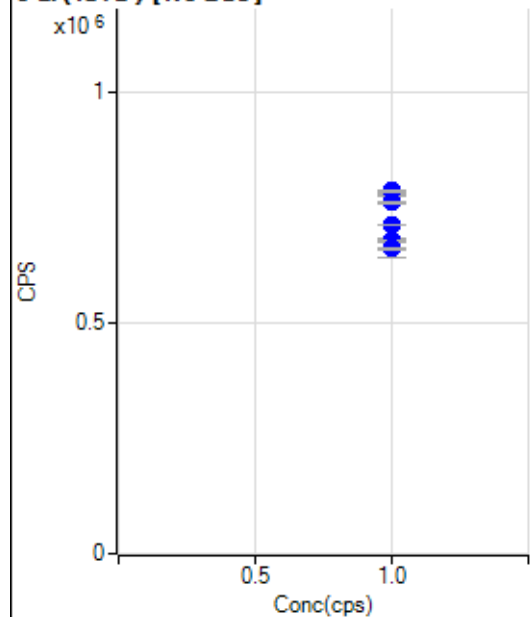
$$R = 0.9997$$

$$DL = 0.01483$$

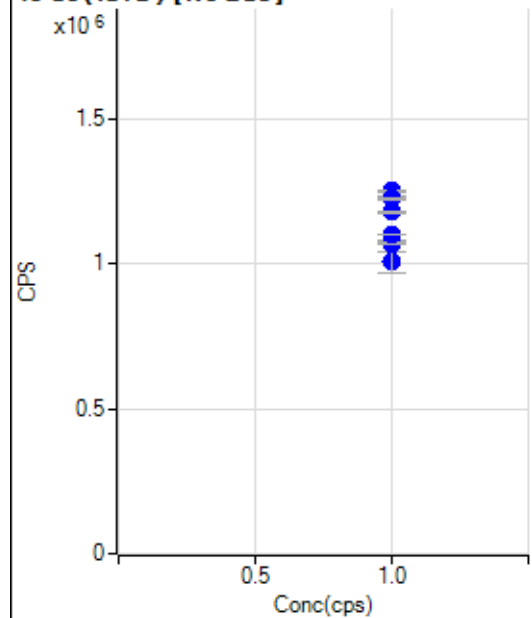
$$BEC = 0.0176$$

Weight: &lt;None&gt;

Min Conc: 0

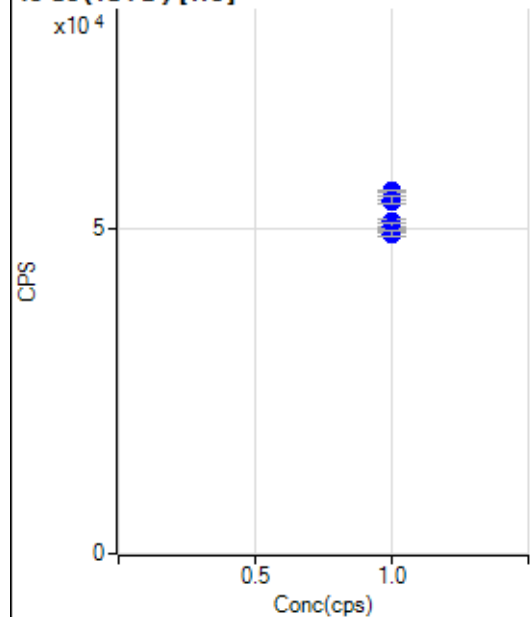
**6 Li (ISTD) [No Gas]**

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 782679.65 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 778450.05 |       | P        | 0.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 786718.74 |       | P        | 0.3 |
| 5 | <input type="checkbox"/> | 1.000 |            | 761594.04 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 712849.95 |       | P        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 661610.61 |       | P        | 6.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 678825.01 |       | P        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 661059.91 |       | P        | 0.1 |

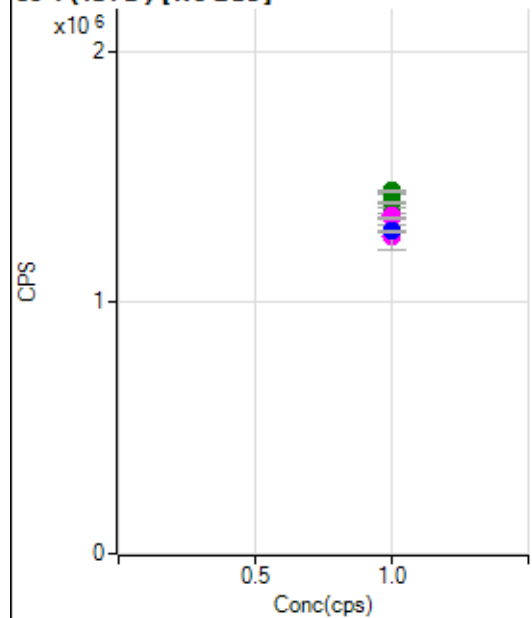
**45 Sc (ISTD) [No Gas]**

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1252518.84 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1226421.45 |       | P        | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1226129.49 |       | P        | 0.9 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1180279.04 |       | P        | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1082467.22 |       | P        | 0.5 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1006717.45 |       | P        | 7.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1071582.35 |       | P        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1101309.00 |       | P        | 0.1 |

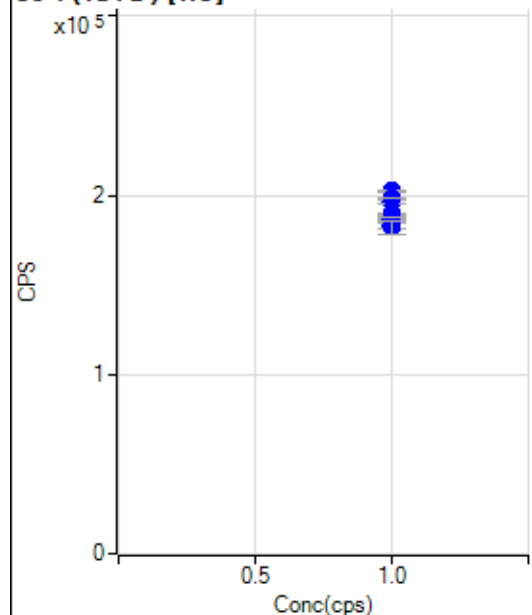


**45 Sc (ISTD) [He]**

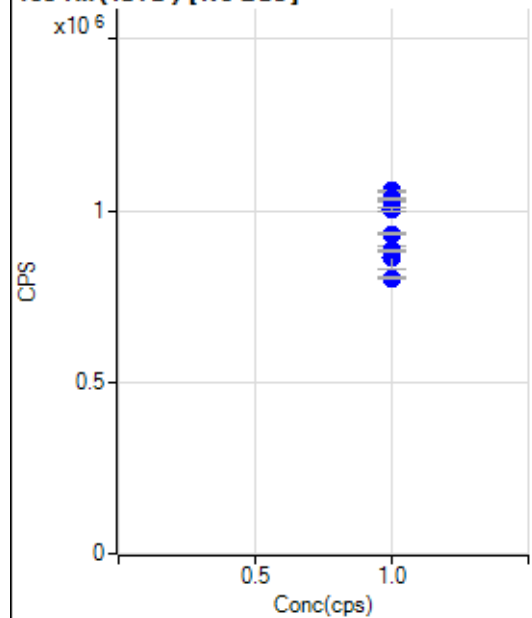
|   | Rjct                     | Conc. | Calc Conc. | CPS      | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|----------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 55718.80 |       | P    | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |          |       |      |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 54109.62 |       | P    | 1.1 |
| 4 | <input type="checkbox"/> | 1.000 |            | 54347.10 |       | P    | 1.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 51133.46 |       | P    | 0.8 |
| 6 | <input type="checkbox"/> | 1.000 |            | 50005.31 |       | P    | 0.9 |
| 7 | <input type="checkbox"/> | 1.000 |            | 48903.81 |       | P    | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 50290.60 |       | P    | 1.5 |
| 9 | <input type="checkbox"/> | 1.000 |            | 49162.53 |       | P    | 2.2 |

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

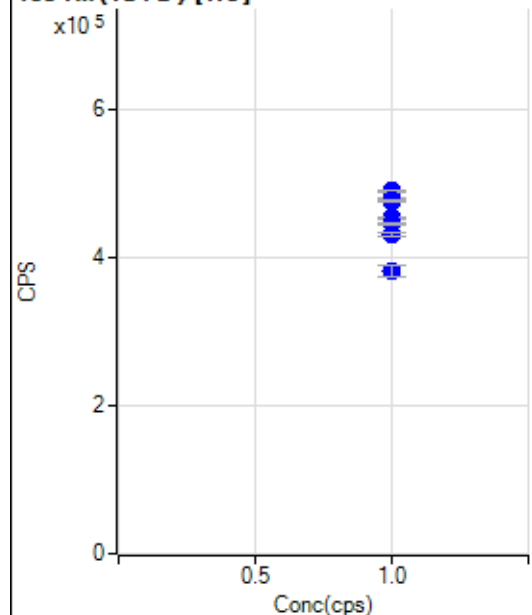
|   | Rjct                     | Conc. | Calc Conc. | CPS        | Ratio | Det. | RSD |
|---|--------------------------|-------|------------|------------|-------|------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1376189.14 |       | A    | 0.1 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |      |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1434285.13 |       | A    | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1445371.86 |       | A    | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1400267.44 |       | A    | 0.7 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1350739.65 |       | M    | 1.3 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1260902.85 |       | M    | 7.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1337250.45 |       | M    | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1284620.06 |       | P    | 0.4 |

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

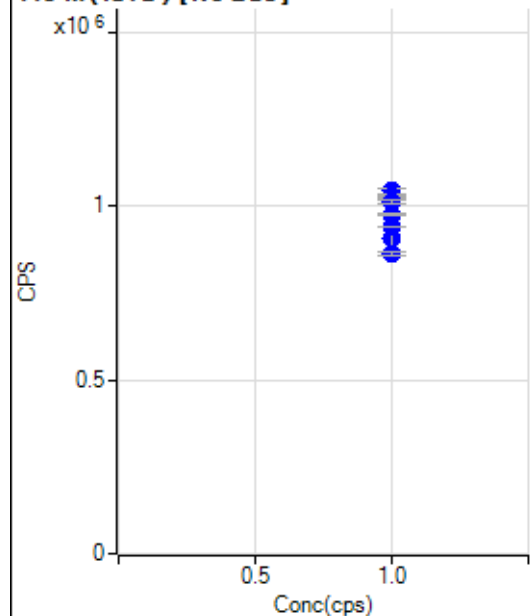
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 202325.42 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 196523.76 |       | P        | 1.3 |
| 4 | <input type="checkbox"/> | 1.000 |            | 198477.48 |       | P        | 0.1 |
| 5 | <input type="checkbox"/> | 1.000 |            | 189644.25 |       | P        | 0.4 |
| 6 | <input type="checkbox"/> | 1.000 |            | 187691.54 |       | P        | 1.1 |
| 7 | <input type="checkbox"/> | 1.000 |            | 183109.18 |       | P        | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 186762.91 |       | P        | 1.0 |
| 9 | <input type="checkbox"/> | 1.000 |            | 182208.20 |       | P        | 4.1 |

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

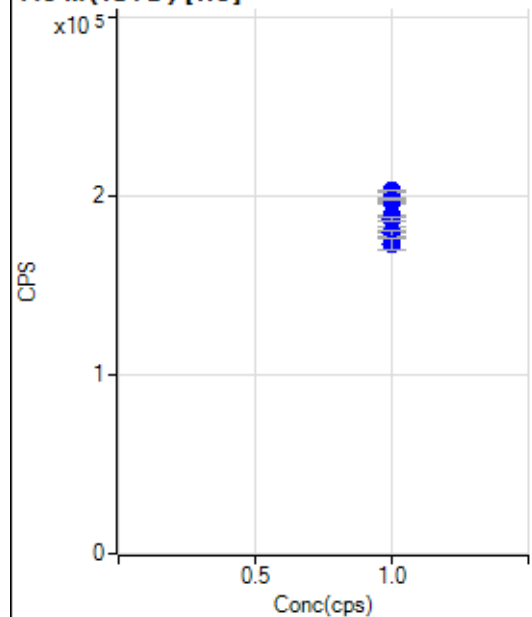
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1057846.85 |       | P        | 0.7 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1027783.38 |       | P        | 0.7 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1034642.25 |       | P        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1004576.61 |       | P        | 1.2 |
| 6 | <input type="checkbox"/> | 1.000 |            | 933419.76  |       | P        | 0.6 |
| 7 | <input type="checkbox"/> | 1.000 |            | 862388.11  |       | P        | 7.7 |
| 8 | <input type="checkbox"/> | 1.000 |            | 883483.72  |       | P        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 804511.15  |       | P        | 0.3 |

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

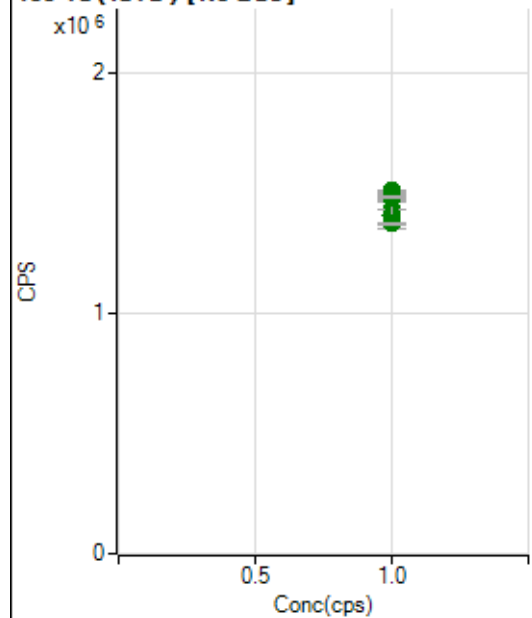
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 490391.40 |       | P        | 0.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 479014.66 |       | P        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 476776.87 |       | P        | 0.8 |
| 5 | <input type="checkbox"/> | 1.000 |            | 453770.91 |       | P        | 0.9 |
| 6 | <input type="checkbox"/> | 1.000 |            | 446486.87 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 431761.36 |       | P        | 1.2 |
| 8 | <input type="checkbox"/> | 1.000 |            | 430995.37 |       | P        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 382807.32 |       | P        | 4.0 |

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

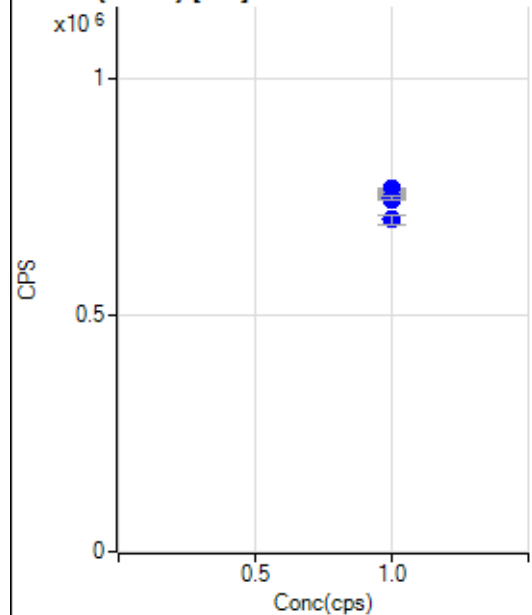
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1043613.89 |       | P        | 1.3 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1027687.90 |       | P        | 1.0 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1029364.46 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1012355.76 |       | P        | 1.1 |
| 6 | <input type="checkbox"/> | 1.000 |            | 975976.93  |       | P        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 905966.58  |       | P        | 7.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 939010.38  |       | P        | 0.3 |
| 9 | <input type="checkbox"/> | 1.000 |            | 862193.95  |       | P        | 1.1 |

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

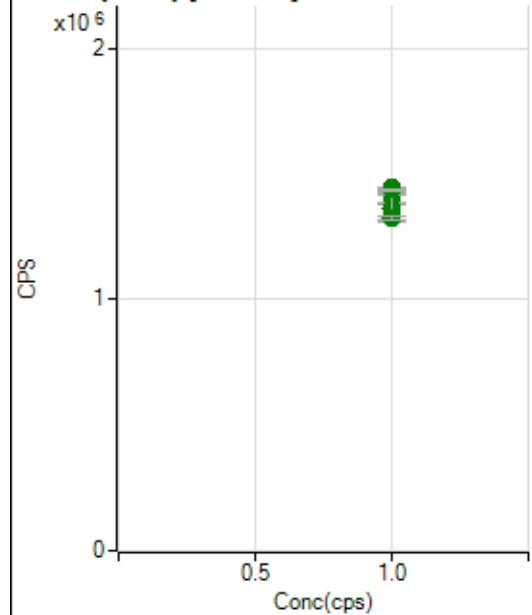
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 203157.09 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 196556.15 |       | P        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 198219.95 |       | P        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 189496.18 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 187505.51 |       | P        | 1.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 181349.12 |       | P        | 1.6 |
| 8 | <input type="checkbox"/> | 1.000 |            | 179467.52 |       | P        | 1.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 172861.94 |       | P        | 3.7 |

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

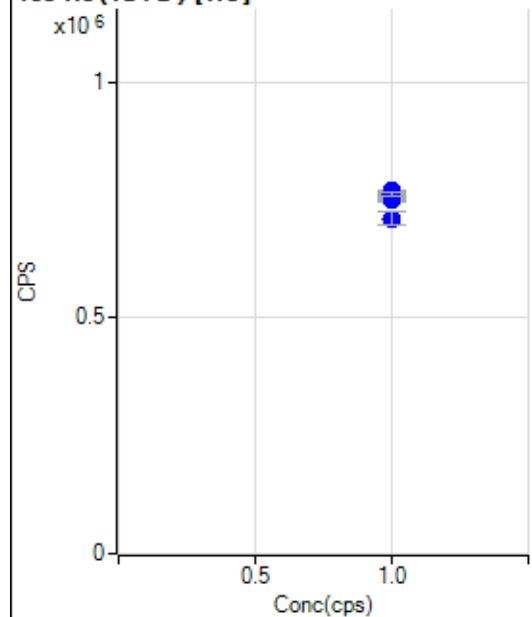
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1431855.88 |       | A        | 0.2 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1475715.48 |       | A        | 0.2 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1507390.78 |       | A        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1491698.54 |       | A        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1476751.14 |       | A        | 0.2 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1406510.49 |       | A        | 7.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1479462.03 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1372468.89 |       | A        | 0.5 |

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

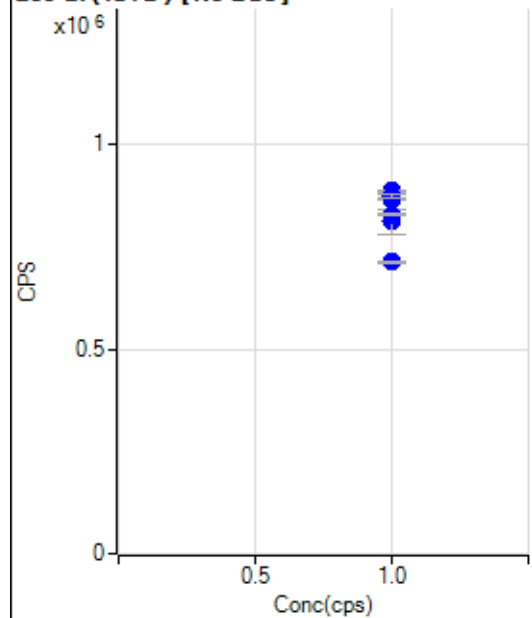
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 767643.40 |       | P        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 746754.22 |       | P        | 0.6 |
| 4 | <input type="checkbox"/> | 1.000 |            | 761559.54 |       | P        | 0.4 |
| 5 | <input type="checkbox"/> | 1.000 |            | 746118.04 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 758080.49 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 750431.88 |       | P        | 0.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 749332.88 |       | P        | 0.8 |
| 9 | <input type="checkbox"/> | 1.000 |            | 701916.00 |       | P        | 3.0 |

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

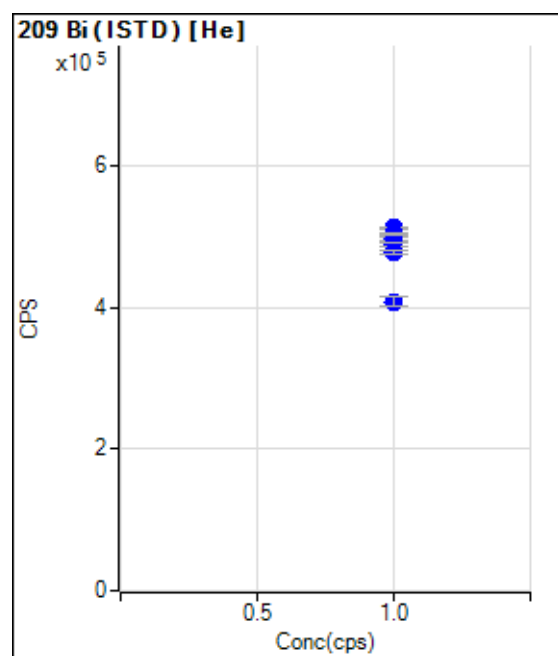
|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS        | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|------------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 1380490.21 |       | A        | 0.5 |
| 2 | <input type="checkbox"/> | 1.000 |            |            |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 1418847.57 |       | A        | 0.4 |
| 4 | <input type="checkbox"/> | 1.000 |            | 1444243.43 |       | A        | 0.5 |
| 5 | <input type="checkbox"/> | 1.000 |            | 1434790.01 |       | A        | 1.0 |
| 6 | <input type="checkbox"/> | 1.000 |            | 1427617.52 |       | A        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 1361545.10 |       | A        | 7.8 |
| 8 | <input type="checkbox"/> | 1.000 |            | 1437252.93 |       | A        | 0.7 |
| 9 | <input type="checkbox"/> | 1.000 |            | 1325512.58 |       | A        | 1.0 |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 770045.38 |       | P        | 0.4 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 750434.73 |       | P        | 0.5 |
| 4 | <input type="checkbox"/> | 1.000 |            | 768831.55 |       | P        | 1.0 |
| 5 | <input type="checkbox"/> | 1.000 |            | 757081.99 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 764495.31 |       | P        | 0.8 |
| 7 | <input type="checkbox"/> | 1.000 |            | 754770.98 |       | P        | 0.4 |
| 8 | <input type="checkbox"/> | 1.000 |            | 762046.01 |       | P        | 1.2 |
| 9 | <input type="checkbox"/> | 1.000 |            | 711138.55 |       | P        | 3.8 |

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

|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 881382.06 |       | P        | 1.0 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 866098.39 |       | P        | 0.9 |
| 4 | <input type="checkbox"/> | 1.000 |            | 886055.12 |       | P        | 0.2 |
| 5 | <input type="checkbox"/> | 1.000 |            | 883865.38 |       | P        | 0.5 |
| 6 | <input type="checkbox"/> | 1.000 |            | 875476.73 |       | P        | 1.0 |
| 7 | <input type="checkbox"/> | 1.000 |            | 811865.03 |       | P        | 7.5 |
| 8 | <input type="checkbox"/> | 1.000 |            | 826778.91 |       | P        | 0.6 |
| 9 | <input type="checkbox"/> | 1.000 |            | 712278.02 |       | P        | 1.0 |



|   | Rjc<br>t                 | Conc. | Calc Conc. | CPS       | Ratio | Det<br>. | RSD |
|---|--------------------------|-------|------------|-----------|-------|----------|-----|
| 1 | <input type="checkbox"/> | 1.000 |            | 512911.15 |       | P        | 0.6 |
| 2 | <input type="checkbox"/> | 1.000 |            |           |       |          |     |
| 3 | <input type="checkbox"/> | 1.000 |            | 497549.21 |       | P        | 0.8 |
| 4 | <input type="checkbox"/> | 1.000 |            | 512530.82 |       | P        | 0.6 |
| 5 | <input type="checkbox"/> | 1.000 |            | 502050.02 |       | P        | 0.6 |
| 6 | <input type="checkbox"/> | 1.000 |            | 504942.70 |       | P        | 0.7 |
| 7 | <input type="checkbox"/> | 1.000 |            | 488261.22 |       | P        | 1.1 |
| 8 | <input type="checkbox"/> | 1.000 |            | 479114.89 |       | P        | 0.9 |
| 9 | <input type="checkbox"/> | 1.000 |            | 408132.75 |       | P        | 3.4 |

US EPA Tune Check Sample Report

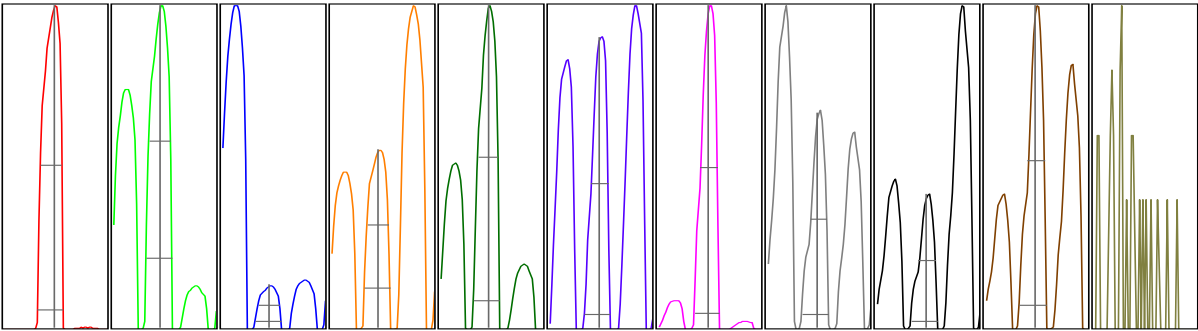
Batch Folder D:\ICP-MS Data\P7072319MS.b  
Report Comment  
Instrument Name G8403A JP14410463

[No Gas]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) | RSD%<br>(Flag) |
|------|-----------------|------------------|--------------------|----------------|
| 9    | 3029            | 0.62             | 5.00               |                |
| 24   | 27301           | 0.61             | 5.00               |                |
| 25   | 3745            | 1.04             | 5.00               |                |
| 26   | 4355            | 0.74             | 5.00               |                |
| 59   | 13227           | 0.58             | 5.00               |                |
| 113  | 1259            | 0.88             | 5.00               |                |
| 115  | 15457           | 1.12             | 5.00               |                |
| 206  | 3633            | 0.66             | 5.00               |                |
| 207  | 3319            | 0.99             | 5.00               |                |
| 208  | 7871            | 0.70             | 5.00               |                |
| 220  | 0               | 39.12            |                    |                |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 9    | 3039                 | 3040                 | 3049                 | 3009                 | 3009                 |
| 24   | 27454                | 27407                | 27367                | 27241                | 27037                |
| 25   | 3760                 | 3780                 | 3774                 | 3688                 | 3723                 |
| 26   | 4361                 | 4398                 | 4371                 | 4325                 | 4321                 |
| 59   | 13286                | 13282                | 13269                | 13189                | 13108                |
| 113  | 1260                 | 1277                 | 1259                 | 1254                 | 1247                 |
| 115  | 15558                | 15688                | 15451                | 15249                | 15339                |
| 206  | 3630                 | 3672                 | 3637                 | 3610                 | 3618                 |
| 207  | 3348                 | 3335                 | 3340                 | 3299                 | 3271                 |
| 208  | 7919                 | 7898                 | 7914                 | 7830                 | 7796                 |
| 220  | 0                    | 0                    | 0                    | 0                    | 0                    |

Integration Time [sec] = 0.1



| Mass | Peak<br>Height | Axis<br>(Actual) | Axis<br>(Required) | Axis<br>(Flag) | Width-X%<br>(Actual) | Width-X%<br>(Required) | Width-<br>X%<br>(Flag) |
|------|----------------|------------------|--------------------|----------------|----------------------|------------------------|------------------------|
| 9    | 5138           | 9.00             | 8.9 - 9.1          |                | 0.739                | 0.900                  |                        |
| 24   | 45496          | 23.90            | 23.9 - 24.1        |                | 0.747                | 0.900                  |                        |
| 25   | 6080           | 24.90            | 24.9 - 25.1        |                | 0.754                | 0.900                  |                        |
| 26   | 6949           | 25.90            | 25.9 - 26.1        |                | 0.738                | 0.900                  |                        |
| 59   | 23510          | 58.95            | 58.9 - 59.1        |                | 0.757                | 0.900                  |                        |
| 113  | 2514           | 113.00           | 112.9 - 113.1      |                | 0.744                | 0.900                  |                        |
| 115  | 31010          | 115.00           | 114.9 - 115.1      |                | 0.729                | 0.900                  |                        |
| 206  | 7172           | 206.00           | 205.9 - 206.1      |                | 0.783                | 0.900                  |                        |
| 207  | 6517           | 207.00           | 206.9 - 207.1      |                | 0.780                | 0.900                  |                        |
| 208  | 15650          | 208.00           | 207.9 - 208.1      |                | 0.796                | 0.900                  |                        |
| 220  | 0              | 219.70           | -                  |                | 0.175                |                        |                        |

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

Tune Parameters

## Plasma Paramters ##

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

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 8.2   | V    | Deflect       | 14.4  | V    |
| Extract 2     | -115.0 | V    | Cell Entrance | -30   | V    | Plate Bias    | -35   | V    |
| Omega Bias    | -55    | 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       | 180   | V    |                       |       |       |

[He]

| Mass | Count<br>(Mean) | RSD%<br>(Actual) | RSD%<br>(Required) |
|------|-----------------|------------------|--------------------|
| 59   | 3118            | 0.62             |                    |
| 89   | 4664            | 0.70             |                    |
| 205  | 3098            | 0.33             |                    |

| Mass | Replicate 1<br>Count | Replicate 2<br>Count | Replicate 3<br>Count | Replicate 4<br>Count | Replicate 5<br>Count |
|------|----------------------|----------------------|----------------------|----------------------|----------------------|
| 59   | 3139                 | 3138                 | 3114                 | 3108                 | 3094                 |
| 89   | 4708                 | 4688                 | 4645                 | 4647                 | 4633                 |
| 205  | 3112                 | 3097                 | 3102                 | 3095                 | 3084                 |

Integration Time [sec] = 0.1

Tune Parameters

## Plasma Paramters ##

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

## Lenses Parameters ##

| ParameterName | Value  | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---------------|--------|------|---------------|-------|------|---------------|-------|------|
| Extract 1     | 0.0    | V    | Omega Lens    | 8.0   | V    | Deflect       | 2.4   | V    |
| Extract 2     | -115.0 | V    | Cell Entrance | -40   | V    | Plate Bias    | -60   | V    |
| Omega Bias    | -60    | V    | Cell Exit     | -60   | V    |               |       |      |

## Cell Parameters ##

| ParameterName | Value | Unit   | ParameterName | Value | Unit | ParameterName         | Value | Unit  |
|---------------|-------|--------|---------------|-------|------|-----------------------|-------|-------|
| Use Gas       | Yes   |        | OctP Bias     | -18.0 | V    | Energy Discrimination |       | 5.0 V |
| He Flow       | 4.1   | mL/min | OctP RF       | 190   | V    |                       |       |       |



LB Number : LB104174      Operator : Jaswal  
 Lab Sample ID : S0      Instrumnet Name : P7  
 Client Sample ID : S0      Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:03:33      DataFile Name : 003CALB.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.24    | 0.58    | -0.82   | 0.00       | N/A     | ppb   |
| Antimony   | 121-1 | 0.00    | 0.00    | -0.01   | 0.00       | N/A     | ppb   |
| Arsenic    | 75-2  | 0.00    | -0.04   | 0.04    | 0.00       | N/A     | ppb   |
| Barium     | 135-1 | -0.02   | 0.01    | 0.01    | 0.00       | N/A     | ppb   |
| Barium     | 137-1 | 0.00    | -0.02   | 0.02    | 0.00       | N/A     | ppb   |
| Beryllium  | 9-1   | 0.03    | -0.02   | -0.01   | 0.00       | N/A     | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | -0.25   | 0.20    | 0.05    | 0.00       | N/A     | ppb   |
| Boron      | 11-1  | -0.08   | 0.02    | 0.06    | 0.00       | N/A     | ppb   |
| Cadmium    | 111-1 | -0.04   | 0.01    | 0.03    | 0.00       | N/A     | ppb   |
| Cadmium    | 106-1 | -0.45   | 0.24    | 0.21    | 0.00       | N/A     | ppb   |
| Cadmium    | 108-1 | -0.06   | -0.06   | 0.11    | 0.00       | N/A     | ppb   |
| Calcium    | 43-1  | 0.39    | 0.40    | -0.80   | 0.00       | N/A     | ppb   |
| Calcium    | 44-1  | -1.16   | 1.06    | 0.10    | 0.00       | N/A     | ppb   |
| Chromium   | 52-2  | 0.01    | -0.03   | 0.01    | 0.00       | N/A     | ppb   |
| Cobalt     | 59-2  | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Copper     | 63-2  | 0.03    | 0.00    | -0.04   | 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  | -0.12   | 0.03    | 0.09    | 0.00       | N/A     | ppb   |
| Iron       | 57-2  | 0.39    | 0.36    | -0.74   | 0.00       | N/A     | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.01    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Lead       | 207-1 | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Lead       | 208-1 | 0.00    | -0.01   | 0.01    | 0.00       | N/A     | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | -0.24   | 0.34    | -0.10   | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:03:33 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | -0.01   | 0.04    | -0.03   | 0.00       | N/A     | ppb   |
| Molybdenum | 94-1  | -0.03   | 0.04    | -0.01   | 0.00       | N/A     | ppb   |
| Molybdenum | 95-1  | 0.00    | -0.02   | 0.01    | 0.00       | N/A     | ppb   |
| Molybdenum | 96-1  | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Molybdenum | 97-1  | 0.01    | 0.01    | -0.01   | 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  | 0.00    | 0.04    | -0.04   | 0.00       | N/A     | ppb   |
| Phosphorus | 31-2  | -8.63   | -28.07  | -40.78  | -25.82     |         | ppb   |
| Potassium  | 39-2  | -0.83   | 5.20    | -4.37   | 0.00       | N/A     | ppb   |
| Rhodium    | 103-1 |         |         |         | 100        |         | %     |
| Rhodium    | 103-2 |         |         |         | 100        |         | %     |
| Scandium   | 45-1  |         |         |         | 100        |         | %     |
| Scandium   | 45-2  |         |         |         | 100        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.39   | -1.23   | 1.62    | 0.00       | N/A     | ppb   |
| Selenium   | 82-1  | -0.03   | -0.05   | 0.08    | 0.00       | N/A     | ppb   |
| Silicon    | 28-1  | 0.26    | -0.75   | 0.49    | 0.00       | N/A     | ppb   |
| Silver     | 109-1 | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Silver     | 107-1 | -0.01   | 0.00    | 0.01    | 0.00       | N/A     | ppb   |
| Sodium     | 23-2  | 2.47    | -0.78   | -1.69   | 0.00       | N/A     | ppb   |
| Strontium  | 86-1  | 0.01    | 0.03    | -0.04   | 0.00       | N/A     | ppb   |
| Strontium  | 88-1  | 0.01    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Sulfur     | 34-1  | -44.91  | -126.97 | -24.65  | -65.51     |         | ppb   |
| Terbium    | 159-1 |         |         |         | 100        |         | %     |
| Terbium    | 159-2 |         |         |         | 100        |         | %     |
| Thallium   | 203-1 | 0.02    | -0.02   | -0.01   | 0.00       | N/A     | ppb   |
| Thallium   | 205-1 | 0.02    | -0.01   | -0.01   | 0.00       | N/A     | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Tin        | 118-1 | 0.01    | -0.01   | -0.01   | 0.00       | N/A     | ppb   |
| Titanium   | 47-1  | 0.07    | -0.03   | -0.03   | 0.00       | N/A     | ppb   |
| Uranium    | 238-1 | 0.00    | -0.01   | 0.00    | 0.00       | N/A     | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Yttrium    | 89-1  |         |         |         | 100        |         | %     |
| Yttrium    | 89-2  |         |         |         | 100        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:03:33 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.33   | 0.12    | 0.21    | 0.00       | N/A     | ppb   |
| Zirconium | 90-1 | -0.01   | 0.01    | 0.01    | 0.00       | N/A     | ppb   |
| Zirconium | 91-1 | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:11:08 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 16.31   | 24.88   | 21.34   | 20.85      | 20.65   | ppb   |
| Antimony   | 121-1 | 2.00    | 1.86    | 1.90    | 1.92       | 3.79    | ppb   |
| Arsenic    | 75-2  | 0.76    | 0.96    | 0.90    | 0.87       | 12.25   | ppb   |
| Barium     | 135-1 | 9.42    | 9.54    | 10.42   | 9.79       | 5.58    | ppb   |
| Barium     | 137-1 | 10.18   | 9.67    | 9.61    | 9.82       | 3.23    | ppb   |
| Beryllium  | 9-1   | 0.84    | 0.96    | 0.95    | 0.91       | 7.41    | ppb   |
| Bismuth    | 209-1 |         |         |         | 98         |         | %     |
| Bismuth    | 209-2 |         |         |         | 97         |         | %     |
| Boron      | 10-1  | 21.98   | 23.48   | 21.74   | 22.40      | 4.22    | ppb   |
| Boron      | 11-1  | 22.69   | 23.12   | 23.56   | 23.12      | 1.87    | ppb   |
| Cadmium    | 111-1 | 1.26    | 1.02    | 0.92    | 1.06       | 16.42   | ppb   |
| Cadmium    | 106-1 | 3.74    | 1.86    | 0.75    | 2.11       | 71.39   | ppb   |
| Cadmium    | 108-1 | 0.95    | 1.61    | 0.94    | 1.16       | 32.83   | ppb   |
| Calcium    | 43-1  | 516.98  | 468.37  | 518.00  | 501.12     | 5.66    | ppb   |
| Calcium    | 44-1  | 483.96  | 484.61  | 493.13  | 487.23     | 1.05    | ppb   |
| Chromium   | 52-2  | 1.93    | 2.04    | 1.67    | 1.88       | 10.21   | ppb   |
| Cobalt     | 59-2  | 0.87    | 0.92    | 1.03    | 0.94       | 8.52    | ppb   |
| Copper     | 63-2  | 2.03    | 1.74    | 1.84    | 1.87       | 7.81    | 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 |         |         |         | 97         |         | %     |
| Indium     | 115-1 |         |         |         | 98         |         | %     |
| Indium     | 115-2 |         |         |         | 97         |         | %     |
| Iron       | 56-2  | 57.04   | 56.40   | 55.27   | 56.24      | 1.59    | ppb   |
| Iron       | 57-2  | 55.78   | 53.96   | 58.48   | 56.07      | 4.06    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 1.01    | 0.94    | 0.93    | 0.96       | 4.51    | ppb   |
| Lead       | 207-1 | 0.84    | 0.69    | 0.64    | 0.72       | 13.77   | ppb   |
| Lead       | 208-1 | 0.86    | 0.84    | 0.81    | 0.84       | 3.02    | ppb   |
| Lithium    | 6-1   |         |         |         | 99         |         | %     |
| Magnesium  | 24-2  | 543.96  | 521.13  | 536.24  | 533.78     | 2.17    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:11:08 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 1.07    | 1.11    | 1.07    | 1.08       | 2.16    | ppb   |
| Molybdenum | 94-1  | 4.38    | 4.53    | 4.50    | 4.47       | 1.74    | ppb   |
| Molybdenum | 95-1  | 4.57    | 4.64    | 4.66    | 4.62       | 0.99    | ppb   |
| Molybdenum | 96-1  | 4.55    | 4.85    | 4.43    | 4.61       | 4.67    | ppb   |
| Molybdenum | 97-1  | 4.51    | 4.65    | 5.39    | 4.85       | 9.83    | ppb   |
| Molybdenum | 98-1  | 4.88    | 4.77    | 4.68    | 4.78       | 2.08    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.19    | 0.81    | 1.34    | 1.11       | 24.37   | ppb   |
| Phosphorus | 31-2  | 6.51    | 11.64   | 59.33   | 25.82      | 112.79  | ppb   |
| Potassium  | 39-2  | 487.37  | 485.64  | 466.79  | 479.93     | 2.38    | ppb   |
| Rhodium    | 103-1 |         |         |         | 97         |         | %     |
| Rhodium    | 103-2 |         |         |         | 98         |         | %     |
| Scandium   | 45-1  |         |         |         | 98         |         | %     |
| Scandium   | 45-2  |         |         |         | 97         |         | %     |
| Selenium   | 77-2  | 5.09    | 5.09    | 4.98    | 5.05       | 1.26    | ppb   |
| Selenium   | 78-2  | 2.27    | 0.99    | 2.13    | 1.80       | 38.85   | ppb   |
| Selenium   | 82-1  | 3.87    | 5.55    | 3.92    | 4.45       | 21.52   | ppb   |
| Silicon    | 28-1  | 9.54    | 9.97    | 8.51    | 9.34       | 8.01    | ppb   |
| Silver     | 109-1 | 1.08    | 1.07    | 1.11    | 1.09       | 2.16    | ppb   |
| Silver     | 107-1 | 0.93    | 1.08    | 0.98    | 1.00       | 7.67    | ppb   |
| Sodium     | 23-2  | 506.18  | 505.48  | 506.42  | 506.03     | 0.10    | ppb   |
| Strontium  | 86-1  | 1.26    | 0.93    | 0.89    | 1.03       | 19.64   | ppb   |
| Strontium  | 88-1  | 0.93    | 0.91    | 0.91    | 0.91       | 1.46    | ppb   |
| Sulfur     | 34-1  | 19.04   | 121.89  | 55.58   | 65.51      | 79.60   | ppb   |
| Terbium    | 159-1 |         |         |         | 103        |         | %     |
| Terbium    | 159-2 |         |         |         | 97         |         | %     |
| Thallium   | 203-1 | 0.95    | 0.67    | 0.83    | 0.82       | 17.19   | ppb   |
| Thallium   | 205-1 | 0.79    | 0.79    | 1.01    | 0.86       | 14.32   | ppb   |
| Thorium    | 232-1 | 0.77    | 0.78    | 0.81    | 0.79       | 2.51    | ppb   |
| Tin        | 118-1 | 5.17    | 5.38    | 5.27    | 5.27       | 1.95    | ppb   |
| Titanium   | 47-1  | 4.96    | 5.62    | 4.77    | 5.12       | 8.69    | ppb   |
| Uranium    | 238-1 | 0.79    | 0.86    | 0.86    | 0.84       | 4.23    | ppb   |
| Vanadium   | 51-2  | 5.47    | 5.08    | 5.11    | 5.22       | 4.14    | ppb   |
| Yttrium    | 89-1  |         |         |         | 104        |         | %     |
| Yttrium    | 89-2  |         |         |         | 97         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:11:08 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.25    | 2.01    | 1.54    | 1.94       | 18.63   | ppb   |
| Zirconium | 90-1 | 0.91    | 0.88    | 0.94    | 0.91       | 3.31    | ppb   |
| Zirconium | 91-1 | 1.03    | 0.94    | 0.73    | 0.90       | 17.27   | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S3                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:15:05 | DataFile Name :   | 006CAL.S.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 1048.73 | 1069.71 | 1075.86 | 1064.77    | 1.34    | ppb   |
| Antimony   | 121-1 | 51.31   | 51.19   | 50.81   | 51.10      | 0.51    | ppb   |
| Arsenic    | 75-2  | 50.17   | 52.31   | 50.50   | 50.99      | 2.26    | ppb   |
| Barium     | 135-1 | 254.33  | 260.99  | 255.30  | 256.87     | 1.40    | ppb   |
| Barium     | 137-1 | 262.86  | 254.43  | 257.78  | 258.36     | 1.64    | ppb   |
| Beryllium  | 9-1   | 52.59   | 52.41   | 51.38   | 52.12      | 1.26    | ppb   |
| Bismuth    | 209-1 |         |         |         | 101        |         | %     |
| Bismuth    | 209-2 |         |         |         | 100        |         | %     |
| Boron      | 10-1  | 46.09   | 50.29   | 49.80   | 48.73      | 4.72    | ppb   |
| Boron      | 11-1  | 48.32   | 48.41   | 49.44   | 48.72      | 1.27    | ppb   |
| Cadmium    | 111-1 | 51.55   | 52.42   | 50.72   | 51.56      | 1.65    | ppb   |
| Cadmium    | 106-1 | 52.75   | 58.29   | 49.28   | 53.44      | 8.50    | ppb   |
| Cadmium    | 108-1 | 55.77   | 48.60   | 55.01   | 53.13      | 7.42    | ppb   |
| Calcium    | 43-1  | 5195.36 | 5237.94 | 5227.16 | 5220.15    | 0.42    | ppb   |
| Calcium    | 44-1  | 5177.17 | 5136.24 | 5124.81 | 5146.07    | 0.54    | ppb   |
| Chromium   | 52-2  | 51.26   | 51.87   | 53.17   | 52.10      | 1.87    | ppb   |
| Cobalt     | 59-2  | 51.71   | 52.33   | 53.62   | 52.55      | 1.86    | ppb   |
| Copper     | 63-2  | 97.64   | 100.45  | 101.67  | 99.92      | 2.07    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 105        |         | %     |
| Holmium    | 165-2 |         |         |         | 100        |         | %     |
| Indium     | 115-1 |         |         |         | 99         |         | %     |
| Indium     | 115-2 |         |         |         | 98         |         | %     |
| Iron       | 56-2  | 2689.67 | 2696.55 | 2781.10 | 2722.44    | 1.87    | ppb   |
| Iron       | 57-2  | 2753.74 | 2776.36 | 2837.35 | 2789.15    | 1.55    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 48.01   | 48.21   | 48.01   | 48.08      | 0.24    | ppb   |
| Lead       | 207-1 | 47.54   | 47.48   | 46.80   | 47.27      | 0.87    | ppb   |
| Lead       | 208-1 | 47.92   | 47.76   | 47.69   | 47.79      | 0.25    | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 5360.37 | 5355.04 | 5562.22 | 5425.88    | 2.18    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S3 Instrumnet Name : P7  
 Client Sample ID : S3 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:15:05 DataFile Name : 006CAL.S.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 101.08  | 102.03  | 107.17  | 103.43     | 3.17    | ppb   |
| Molybdenum | 94-1  | 255.65  | 252.93  | 251.52  | 253.37     | 0.83    | ppb   |
| Molybdenum | 95-1  | 250.89  | 249.49  | 248.97  | 249.78     | 0.40    | ppb   |
| Molybdenum | 96-1  | 251.88  | 249.12  | 247.15  | 249.38     | 0.95    | ppb   |
| Molybdenum | 97-1  | 256.90  | 250.70  | 250.52  | 252.71     | 1.44    | ppb   |
| Molybdenum | 98-1  | 251.27  | 249.70  | 245.63  | 248.87     | 1.17    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 54.99   | 53.34   | 54.69   | 54.34      | 1.62    | ppb   |
| Phosphorus | 31-2  | 1147.81 | 1059.83 | 1033.25 | 1080.30    | 5.55    | ppb   |
| Potassium  | 39-2  | 2542.39 | 2543.80 | 2671.44 | 2585.88    | 2.87    | ppb   |
| Rhodium    | 103-1 |         |         |         | 98         |         | %     |
| Rhodium    | 103-2 |         |         |         | 97         |         | %     |
| Scandium   | 45-1  |         |         |         | 98         |         | %     |
| Scandium   | 45-2  |         |         |         | 98         |         | %     |
| Selenium   | 77-2  | 57.45   | 37.56   | 47.50   | 47.51      | 20.93   | ppb   |
| Selenium   | 78-2  | 44.44   | 54.96   | 46.56   | 48.65      | 11.43   | ppb   |
| Selenium   | 82-1  | 52.54   | 49.93   | 51.28   | 51.25      | 2.55    | ppb   |
| Silicon    | 28-1  | 52.49   | 53.19   | 52.18   | 52.62      | 0.98    | ppb   |
| Silver     | 109-1 | 53.94   | 53.14   | 53.05   | 53.38      | 0.92    | ppb   |
| Silver     | 107-1 | 53.67   | 53.84   | 54.23   | 53.91      | 0.53    | ppb   |
| Sodium     | 23-2  | 5179.56 | 5189.19 | 5360.88 | 5243.21    | 1.95    | ppb   |
| Strontium  | 86-1  | 50.39   | 48.66   | 49.45   | 49.50      | 1.75    | ppb   |
| Strontium  | 88-1  | 49.96   | 49.40   | 50.14   | 49.83      | 0.78    | ppb   |
| Sulfur     | 34-1  | 908.23  | 926.95  | 669.13  | 834.77     | 17.22   | ppb   |
| Terbium    | 159-1 |         |         |         | 105        |         | %     |
| Terbium    | 159-2 |         |         |         | 99         |         | %     |
| Thallium   | 203-1 | 47.48   | 46.17   | 46.04   | 46.56      | 1.71    | ppb   |
| Thallium   | 205-1 | 47.23   | 46.05   | 47.05   | 46.78      | 1.36    | ppb   |
| Thorium    | 232-1 | 45.86   | 45.78   | 46.24   | 45.96      | 0.53    | ppb   |
| Tin        | 118-1 | 51.34   | 50.60   | 51.62   | 51.19      | 1.02    | ppb   |
| Titanium   | 47-1  | 250.40  | 248.94  | 244.71  | 248.01     | 1.19    | ppb   |
| Uranium    | 238-1 | 46.07   | 45.60   | 45.96   | 45.88      | 0.53    | ppb   |
| Vanadium   | 51-2  | 52.07   | 50.32   | 51.79   | 51.39      | 1.83    | ppb   |
| Yttrium    | 89-1  |         |         |         | 105        |         | %     |
| Yttrium    | 89-2  |         |         |         | 98         |         | %     |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:15:05 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 96.65   | 98.15   | 103.11  | 99.30      | 3.40    | ppb   |
| Zirconium | 90-1 | 48.98   | 49.09   | 47.80   | 48.62      | 1.47    | ppb   |
| Zirconium | 91-1 | 48.58   | 50.90   | 49.90   | 49.79      | 2.34    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:19:01 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 2624.06  | 2667.56  | 2652.87  | 2648.17    | 0.84    | ppb   |
| Antimony   | 121-1 | 128.14   | 127.85   | 125.26   | 127.08     | 1.25    | ppb   |
| Arsenic    | 75-2  | 123.57   | 125.94   | 129.95   | 126.49     | 2.55    | ppb   |
| Barium     | 135-1 | 649.64   | 640.03   | 639.25   | 642.97     | 0.90    | ppb   |
| Barium     | 137-1 | 641.41   | 640.96   | 639.44   | 640.60     | 0.16    | ppb   |
| Beryllium  | 9-1   | 126.79   | 127.77   | 127.35   | 127.30     | 0.39    | ppb   |
| Bismuth    | 209-1 |          |          |          | 100        |         | %     |
| Bismuth    | 209-2 |          |          |          | 98         |         | %     |
| Boron      | 10-1  | 112.68   | 127.36   | 118.80   | 119.62     | 6.17    | ppb   |
| Boron      | 11-1  | 120.07   | 121.16   | 121.05   | 120.76     | 0.49    | ppb   |
| Cadmium    | 111-1 | 126.21   | 127.19   | 126.38   | 126.60     | 0.41    | ppb   |
| Cadmium    | 106-1 | 129.01   | 115.81   | 138.42   | 127.74     | 8.89    | ppb   |
| Cadmium    | 108-1 | 123.21   | 128.62   | 132.08   | 127.97     | 3.50    | ppb   |
| Calcium    | 43-1  | 13151.52 | 13162.15 | 13133.29 | 13148.99   | 0.11    | ppb   |
| Calcium    | 44-1  | 12511.79 | 12575.97 | 12558.26 | 12548.68   | 0.26    | ppb   |
| Chromium   | 52-2  | 127.41   | 129.90   | 128.32   | 128.54     | 0.98    | ppb   |
| Cobalt     | 59-2  | 130.76   | 130.60   | 127.93   | 129.76     | 1.23    | ppb   |
| Copper     | 63-2  | 246.87   | 248.74   | 244.77   | 246.80     | 0.80    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 104        |         | %     |
| Holmium    | 165-2 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 97         |         | %     |
| Indium     | 115-2 |          |          |          | 93         |         | %     |
| Iron       | 56-2  | 6502.26  | 6519.25  | 6454.66  | 6492.06    | 0.52    | ppb   |
| Iron       | 57-2  | 6695.83  | 6790.73  | 6572.80  | 6686.45    | 1.63    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 119.86   | 121.92   | 119.69   | 120.49     | 1.03    | ppb   |
| Lead       | 207-1 | 116.88   | 117.05   | 117.01   | 116.98     | 0.08    | ppb   |
| Lead       | 208-1 | 118.27   | 119.60   | 118.85   | 118.90     | 0.56    | ppb   |
| Lithium    | 6-1   |          |          |          | 97         |         | %     |
| Magnesium  | 24-2  | 13362.73 | 13498.63 | 13364.20 | 13408.52   | 0.58    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S4                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:19:01 | DataFile Name :   | 007CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 260.17   | 260.35   | 257.76   | 259.42     | 0.56    | ppb   |
| Molybdenum | 94-1  | 627.39   | 626.72   | 628.19   | 627.43     | 0.12    | ppb   |
| Molybdenum | 95-1  | 620.71   | 619.44   | 626.74   | 622.30     | 0.63    | ppb   |
| Molybdenum | 96-1  | 619.58   | 620.28   | 629.36   | 623.07     | 0.88    | ppb   |
| Molybdenum | 97-1  | 634.48   | 630.78   | 634.14   | 633.14     | 0.32    | ppb   |
| Molybdenum | 98-1  | 619.18   | 622.79   | 622.38   | 621.45     | 0.32    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 132.56   | 135.40   | 132.14   | 133.37     | 1.33    | ppb   |
| Phosphorus | 31-2  | 2495.33  | 2401.45  | 2533.27  | 2476.68    | 2.74    | ppb   |
| Potassium  | 39-2  | 6322.51  | 6415.74  | 6417.67  | 6385.31    | 0.85    | ppb   |
| Rhodium    | 103-1 |          |          |          | 95         |         | %     |
| Rhodium    | 103-2 |          |          |          | 93         |         | %     |
| Scandium   | 45-1  |          |          |          | 94         |         | %     |
| Scandium   | 45-2  |          |          |          | 92         |         | %     |
| Selenium   | 77-2  | 104.19   | 131.18   | 112.82   | 116.06     | 11.88   | ppb   |
| Selenium   | 78-2  | 143.36   | 131.37   | 120.48   | 131.74     | 8.69    | ppb   |
| Selenium   | 82-1  | 128.63   | 127.75   | 126.61   | 127.66     | 0.79    | ppb   |
| Silicon    | 28-1  | 128.44   | 129.75   | 128.41   | 128.87     | 0.59    | ppb   |
| Silver     | 109-1 | 130.55   | 131.06   | 131.22   | 130.94     | 0.27    | ppb   |
| Silver     | 107-1 | 129.11   | 131.93   | 130.22   | 130.42     | 1.09    | ppb   |
| Sodium     | 23-2  | 12791.73 | 12987.72 | 12742.68 | 12840.71   | 1.01    | ppb   |
| Strontium  | 86-1  | 124.21   | 124.53   | 127.22   | 125.32     | 1.32    | ppb   |
| Strontium  | 88-1  | 124.28   | 124.59   | 125.66   | 124.84     | 0.58    | ppb   |
| Sulfur     | 34-1  | 2288.19  | 2287.30  | 2222.90  | 2266.13    | 1.65    | ppb   |
| Terbium    | 159-1 |          |          |          | 104        |         | %     |
| Terbium    | 159-2 |          |          |          | 97         |         | %     |
| Thallium   | 203-1 | 116.36   | 116.14   | 114.51   | 115.67     | 0.88    | ppb   |
| Thallium   | 205-1 | 117.98   | 118.82   | 118.14   | 118.32     | 0.38    | ppb   |
| Thorium    | 232-1 | 115.94   | 118.06   | 116.12   | 116.71     | 1.00    | ppb   |
| Tin        | 118-1 | 126.45   | 125.00   | 127.46   | 126.30     | 0.98    | ppb   |
| Titanium   | 47-1  | 630.29   | 620.34   | 623.13   | 624.59     | 0.82    | ppb   |
| Uranium    | 238-1 | 114.96   | 116.64   | 116.76   | 116.12     | 0.87    | ppb   |
| Vanadium   | 51-2  | 126.02   | 128.18   | 124.73   | 126.31     | 1.38    | ppb   |
| Yttrium    | 89-1  |          |          |          | 102        |         | %     |
| Yttrium    | 89-2  |          |          |          | 94         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:19:01 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 241.33  | 240.92  | 241.57  | 241.28     | 0.14    | ppb   |
| Zirconium | 90-1 | 122.09  | 123.93  | 122.34  | 122.78     | 0.81    | ppb   |
| Zirconium | 91-1 | 125.65  | 125.84  | 125.06  | 125.52     | 0.33    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S5 Instrumnet Name : P7  
 Client Sample ID : S5 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:22:58 DataFile Name : 008CAL.S.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 4997.59  | 5022.69  | 5112.68  | 5044.32    | 1.20    | ppb   |
| Antimony   | 121-1 | 251.59   | 248.22   | 251.79   | 250.53     | 0.80    | ppb   |
| Arsenic    | 75-2  | 244.00   | 245.71   | 240.38   | 243.36     | 1.12    | ppb   |
| Barium     | 135-1 | 1265.24  | 1257.33  | 1246.97  | 1256.51    | 0.73    | ppb   |
| Barium     | 137-1 | 1261.87  | 1257.82  | 1255.87  | 1258.52    | 0.24    | ppb   |
| Beryllium  | 9-1   | 253.47   | 250.84   | 246.93   | 250.41     | 1.31    | ppb   |
| Bismuth    | 209-1 |          |          |          | 99         |         | %     |
| Bismuth    | 209-2 |          |          |          | 98         |         | %     |
| Boron      | 10-1  | 239.87   | 244.04   | 241.06   | 241.65     | 0.89    | ppb   |
| Boron      | 11-1  | 240.02   | 241.44   | 244.60   | 242.02     | 0.97    | ppb   |
| Cadmium    | 111-1 | 242.76   | 240.47   | 243.17   | 242.13     | 0.60    | ppb   |
| Cadmium    | 106-1 | 247.49   | 225.81   | 250.75   | 241.35     | 5.62    | ppb   |
| Cadmium    | 108-1 | 238.04   | 250.01   | 232.70   | 240.25     | 3.69    | ppb   |
| Calcium    | 43-1  | 26708.62 | 25978.83 | 26185.88 | 26291.11   | 1.43    | ppb   |
| Calcium    | 44-1  | 25612.14 | 25210.73 | 25373.35 | 25398.74   | 0.79    | ppb   |
| Chromium   | 52-2  | 246.34   | 249.66   | 248.09   | 248.03     | 0.67    | ppb   |
| Cobalt     | 59-2  | 247.75   | 253.89   | 249.35   | 250.33     | 1.27    | ppb   |
| Copper     | 63-2  | 469.91   | 481.13   | 471.46   | 474.17     | 1.28    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 103        |         | %     |
| Holmium    | 165-2 |          |          |          | 99         |         | %     |
| Indium     | 115-1 |          |          |          | 94         |         | %     |
| Indium     | 115-2 |          |          |          | 92         |         | %     |
| Iron       | 56-2  | 12520.47 | 12676.17 | 12414.21 | 12536.95   | 1.05    | ppb   |
| Iron       | 57-2  | 12829.74 | 13160.59 | 12932.85 | 12974.39   | 1.30    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 247.47   | 242.21   | 242.34   | 244.01     | 1.23    | ppb   |
| Lead       | 207-1 | 240.65   | 236.99   | 233.79   | 237.14     | 1.45    | ppb   |
| Lead       | 208-1 | 246.66   | 241.41   | 240.85   | 242.97     | 1.32    | ppb   |
| Lithium    | 6-1   |          |          |          | 91         |         | %     |
| Magnesium  | 24-2  | 25129.14 | 25452.20 | 25160.86 | 25247.40   | 0.71    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:22:58 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 499.09   | 503.53   | 496.61   | 499.74     | 0.70    | ppb   |
| Molybdenum | 94-1  | 1253.13  | 1229.71  | 1241.59  | 1241.48    | 0.94    | ppb   |
| Molybdenum | 95-1  | 1235.31  | 1205.43  | 1243.84  | 1228.20    | 1.64    | ppb   |
| Molybdenum | 96-1  | 1230.31  | 1207.56  | 1229.64  | 1222.50    | 1.06    | ppb   |
| Molybdenum | 97-1  | 1259.97  | 1221.60  | 1252.31  | 1244.63    | 1.63    | ppb   |
| Molybdenum | 98-1  | 1213.22  | 1192.87  | 1218.84  | 1208.31    | 1.13    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 254.86   | 254.04   | 250.26   | 253.05     | 0.97    | ppb   |
| Phosphorus | 31-2  | 4559.46  | 4941.97  | 5100.20  | 4867.21    | 5.71    | ppb   |
| Potassium  | 39-2  | 12231.41 | 12225.71 | 12140.34 | 12199.15   | 0.42    | ppb   |
| Rhodium    | 103-1 |          |          |          | 88         |         | %     |
| Rhodium    | 103-2 |          |          |          | 91         |         | %     |
| Scandium   | 45-1  |          |          |          | 86         |         | %     |
| Scandium   | 45-2  |          |          |          | 90         |         | %     |
| Selenium   | 77-2  | 239.59   | 226.16   | 300.30   | 255.35     | 15.47   | ppb   |
| Selenium   | 78-2  | 251.79   | 245.03   | 239.11   | 245.31     | 2.59    | ppb   |
| Selenium   | 82-1  | 251.89   | 254.85   | 254.87   | 253.87     | 0.67    | ppb   |
| Silicon    | 28-1  | 256.07   | 252.62   | 255.69   | 254.80     | 0.74    | ppb   |
| Silver     | 109-1 | 252.77   | 249.61   | 246.42   | 249.60     | 1.27    | ppb   |
| Silver     | 107-1 | 252.25   | 248.96   | 248.79   | 250.00     | 0.78    | ppb   |
| Sodium     | 23-2  | 24840.48 | 24948.51 | 24608.57 | 24799.19   | 0.70    | ppb   |
| Strontium  | 86-1  | 248.11   | 249.11   | 247.27   | 248.16     | 0.37    | ppb   |
| Strontium  | 88-1  | 247.65   | 243.83   | 246.49   | 245.99     | 0.80    | ppb   |
| Sulfur     | 34-1  | 4434.82  | 4415.12  | 4401.60  | 4417.18    | 0.38    | ppb   |
| Terbium    | 159-1 |          |          |          | 103        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 237.95   | 236.99   | 233.69   | 236.21     | 0.95    | ppb   |
| Thallium   | 205-1 | 244.88   | 241.48   | 240.76   | 242.37     | 0.91    | ppb   |
| Thorium    | 232-1 | 233.89   | 231.10   | 230.14   | 231.71     | 0.84    | ppb   |
| Tin        | 118-1 | 250.92   | 248.32   | 246.71   | 248.65     | 0.85    | ppb   |
| Titanium   | 47-1  | 1263.37  | 1246.96  | 1245.04  | 1251.79    | 0.80    | ppb   |
| Uranium    | 238-1 | 233.11   | 229.00   | 231.07   | 231.06     | 0.89    | ppb   |
| Vanadium   | 51-2  | 244.53   | 247.92   | 244.77   | 245.74     | 0.77    | ppb   |
| Yttrium    | 89-1  |          |          |          | 98         |         | %     |
| Yttrium    | 89-2  |          |          |          | 93         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:22:58 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 454.87  | 467.33  | 456.10  | 459.44     | 1.49    | ppb   |
| Zirconium | 90-1 | 247.77  | 247.29  | 245.01  | 246.69     | 0.60    | ppb   |
| Zirconium | 91-1 | 251.14  | 247.32  | 249.52  | 249.33     | 0.77    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:26:53 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 10395.82 | 10337.53 | 10197.29 | 10310.21   | 0.99    | ppb   |
| Antimony   | 121-1 | 580.87   | 503.31   | 506.93   | 530.37     | 8.25    | ppb   |
| Arsenic    | 75-2  | 510.99   | 495.35   | 491.42   | 499.25     | 2.07    | ppb   |
| Barium     | 135-1 | 2912.88  | 2539.86  | 2524.64  | 2659.13    | 8.27    | ppb   |
| Barium     | 137-1 | 2855.25  | 2479.75  | 2485.21  | 2606.74    | 8.26    | ppb   |
| Beryllium  | 9-1   | 564.88   | 503.75   | 495.30   | 521.31     | 7.28    | ppb   |
| Bismuth    | 209-1 |          |          |          | 92         |         | %     |
| Bismuth    | 209-2 |          |          |          | 95         |         | %     |
| Boron      | 10-1  | 548.88   | 499.10   | 508.91   | 518.96     | 5.08    | ppb   |
| Boron      | 11-1  | 551.68   | 502.76   | 502.04   | 518.83     | 5.48    | ppb   |
| Cadmium    | 111-1 | 560.08   | 488.77   | 482.68   | 510.51     | 8.43    | ppb   |
| Cadmium    | 106-1 | 583.06   | 482.67   | 487.87   | 517.87     | 10.91   | ppb   |
| Cadmium    | 108-1 | 570.41   | 482.49   | 499.85   | 517.58     | 9.00    | ppb   |
| Calcium    | 43-1  | 61301.41 | 53489.64 | 53782.06 | 56191.04   | 7.88    | ppb   |
| Calcium    | 44-1  | 59651.59 | 51594.62 | 51496.20 | 54247.47   | 8.63    | ppb   |
| Chromium   | 52-2  | 507.20   | 505.24   | 500.67   | 504.37     | 0.66    | ppb   |
| Cobalt     | 59-2  | 507.02   | 504.01   | 504.07   | 505.03     | 0.34    | ppb   |
| Copper     | 63-2  | 950.64   | 958.48   | 945.06   | 951.39     | 0.71    | 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 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 87         |         | %     |
| Indium     | 115-2 |          |          |          | 89         |         | %     |
| Iron       | 56-2  | 25902.51 | 25549.28 | 25352.54 | 25601.45   | 1.09    | ppb   |
| Iron       | 57-2  | 26589.60 | 26495.39 | 26517.84 | 26534.28   | 0.19    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 562.40   | 497.59   | 489.53   | 516.50     | 7.73    | ppb   |
| Lead       | 207-1 | 564.96   | 490.99   | 492.75   | 516.23     | 8.18    | ppb   |
| Lead       | 208-1 | 563.57   | 491.97   | 491.03   | 515.52     | 8.07    | ppb   |
| Lithium    | 6-1   |          |          |          | 85         |         | %     |
| Magnesium  | 24-2  | 51296.97 | 50610.20 | 50526.21 | 50811.13   | 0.83    | ppb   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:26:53 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1020.54  | 1007.19  | 1002.42  | 1010.05    | 0.93    | ppb   |
| Molybdenum | 94-1  | 2862.26  | 2487.15  | 2473.82  | 2607.74    | 8.46    | ppb   |
| Molybdenum | 95-1  | 2857.88  | 2517.15  | 2483.86  | 2619.63    | 7.90    | ppb   |
| Molybdenum | 96-1  | 2878.49  | 2487.21  | 2479.26  | 2614.99    | 8.73    | ppb   |
| Molybdenum | 97-1  | 2844.60  | 2462.41  | 2463.91  | 2590.31    | 8.50    | ppb   |
| Molybdenum | 98-1  | 2870.07  | 2478.69  | 2465.74  | 2604.83    | 8.82    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 500.74   | 507.37   | 508.31   | 505.47     | 0.82    | ppb   |
| Phosphorus | 31-2  | 9428.55  | 10458.52 | 10275.58 | 10054.21   | 5.47    | ppb   |
| Potassium  | 39-2  | 24946.42 | 24793.41 | 24658.61 | 24799.48   | 0.58    | ppb   |
| Rhodium    | 103-1 |          |          |          | 82         |         | %     |
| Rhodium    | 103-2 |          |          |          | 88         |         | %     |
| Scandium   | 45-1  |          |          |          | 80         |         | %     |
| Scandium   | 45-2  |          |          |          | 88         |         | %     |
| Selenium   | 77-2  | 501.25   | 558.21   | 507.21   | 522.22     | 5.99    | ppb   |
| Selenium   | 78-2  | 542.28   | 511.44   | 478.96   | 510.89     | 6.20    | ppb   |
| Selenium   | 82-1  | 582.86   | 510.59   | 498.36   | 530.61     | 8.61    | ppb   |
| Silicon    | 28-1  | 587.89   | 512.25   | 514.34   | 538.16     | 8.01    | ppb   |
| Silver     | 109-1 | 563.57   | 493.75   | 493.02   | 516.78     | 7.84    | ppb   |
| Silver     | 107-1 | 568.38   | 493.53   | 498.02   | 519.98     | 8.07    | ppb   |
| Sodium     | 23-2  | 50809.05 | 50540.25 | 50155.61 | 50501.64   | 0.65    | ppb   |
| Strontium  | 86-1  | 577.92   | 500.84   | 498.69   | 525.82     | 8.58    | ppb   |
| Strontium  | 88-1  | 575.88   | 498.60   | 494.95   | 523.14     | 8.74    | ppb   |
| Sulfur     | 34-1  | 12696.29 | 9797.93  | 9825.60  | 10773.27   | 15.46   | ppb   |
| Terbium    | 159-1 |          |          |          | 98         |         | %     |
| Terbium    | 159-2 |          |          |          | 98         |         | %     |
| Thallium   | 203-1 | 564.91   | 496.02   | 494.72   | 518.55     | 7.74    | ppb   |
| Thallium   | 205-1 | 559.45   | 492.23   | 489.70   | 513.79     | 7.70    | ppb   |
| Thorium    | 232-1 | 565.72   | 490.98   | 488.08   | 514.92     | 8.55    | ppb   |
| Tin        | 118-1 | 570.09   | 496.54   | 497.12   | 521.25     | 8.11    | ppb   |
| Titanium   | 47-1  | 2906.55  | 2527.72  | 2506.28  | 2646.85    | 8.51    | ppb   |
| Uranium    | 238-1 | 564.49   | 489.52   | 483.83   | 512.61     | 8.78    | ppb   |
| Vanadium   | 51-2  | 508.23   | 505.89   | 500.15   | 504.75     | 0.82    | ppb   |
| Yttrium    | 89-1  |          |          |          | 92         |         | %     |
| Yttrium    | 89-2  |          |          |          | 91         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:26:53 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 962.43  | 979.41  | 974.13  | 971.99     | 0.89    | ppb   |
| Zirconium | 90-1 | 581.30  | 505.08  | 506.72  | 531.03     | 8.20    | ppb   |
| Zirconium | 91-1 | 587.79  | 508.11  | 507.19  | 534.36     | 8.66    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S7 Instrumnet Name : P7  
 Client Sample ID : S7 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:30:46 DataFile Name : 010CAL.S.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 20508.97  | 20207.82  | 20108.24  | 20275.01   | 1.03    | ppb   |
| Antimony   | 121-1 | 980.53    | 980.19    | 992.39    | 984.37     | 0.71    | ppb   |
| Arsenic    | 75-2  | 992.92    | 998.92    | 1013.56   | 1001.80    | 1.06    | ppb   |
| Barium     | 135-1 | 4890.88   | 4911.48   | 4946.29   | 4916.22    | 0.57    | ppb   |
| Barium     | 137-1 | 4920.52   | 4923.49   | 4982.38   | 4942.13    | 0.71    | ppb   |
| Beryllium  | 9-1   | 985.45    | 988.95    | 992.15    | 988.85     | 0.34    | ppb   |
| Bismuth    | 209-1 |           |           |           | 94         |         | %     |
| Bismuth    | 209-2 |           |           |           | 93         |         | %     |
| Boron      | 10-1  | 985.56    | 999.95    | 994.71    | 993.41     | 0.73    | ppb   |
| Boron      | 11-1  | 978.72    | 1001.50   | 999.45    | 993.22     | 1.27    | ppb   |
| Cadmium    | 111-1 | 996.60    | 999.12    | 993.58    | 996.43     | 0.28    | ppb   |
| Cadmium    | 106-1 | 998.35    | 980.89    | 998.91    | 992.71     | 1.03    | ppb   |
| Cadmium    | 108-1 | 996.83    | 986.07    | 996.46    | 993.12     | 0.61    | ppb   |
| Calcium    | 43-1  | 105087.12 | 105595.88 | 105486.62 | 105389.87  | 0.25    | ppb   |
| Calcium    | 44-1  | 101560.11 | 102803.77 | 103053.45 | 102472.44  | 0.78    | ppb   |
| Chromium   | 52-2  | 1015.16   | 987.96    | 990.16    | 997.76     | 1.51    | ppb   |
| Cobalt     | 59-2  | 1001.91   | 996.73    | 991.39    | 996.68     | 0.53    | ppb   |
| Copper     | 63-2  | 2031.77   | 2039.18   | 2022.55   | 2031.17    | 0.41    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 104        |         | %     |
| Holmium    | 165-2 |           |           |           | 99         |         | %     |
| Indium     | 115-1 |           |           |           | 90         |         | %     |
| Indium     | 115-2 |           |           |           | 88         |         | %     |
| Iron       | 56-2  | 50853.79  | 49888.17  | 49761.31  | 50167.75   | 1.19    | ppb   |
| Iron       | 57-2  | 52600.43  | 52107.71  | 52154.23  | 52287.46   | 0.52    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 978.61    | 989.26    | 1013.85   | 993.91     | 1.82    | ppb   |
| Lead       | 207-1 | 984.90    | 995.92    | 1007.90   | 996.24     | 1.15    | ppb   |
| Lead       | 208-1 | 985.53    | 995.98    | 1003.10   | 994.87     | 0.89    | ppb   |
| Lithium    | 6-1   |           |           |           | 87         |         | %     |
| Magnesium  | 24-2  | 101138.65 | 99601.81  | 98909.99  | 99883.48   | 1.14    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S7 Instrumnet Name : P7  
 Client Sample ID : S7 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:30:46 DataFile Name : 010CAL.S.d

| Parameter  | Mass  | ConRep1   | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 2011.93   | 1982.40  | 1986.74  | 1993.69    | 0.80    | ppb   |
| Molybdenum | 94-1  | 4967.62   | 4950.64  | 4925.10  | 4947.79    | 0.43    | ppb   |
| Molybdenum | 95-1  | 4957.26   | 4961.22  | 4919.48  | 4945.99    | 0.47    | ppb   |
| Molybdenum | 96-1  | 4968.17   | 4923.57  | 4957.22  | 4949.65    | 0.47    | ppb   |
| Molybdenum | 97-1  | 4946.94   | 4956.82  | 4961.35  | 4955.04    | 0.15    | ppb   |
| Molybdenum | 98-1  | 4957.68   | 4956.27  | 4961.56  | 4958.51    | 0.06    | ppb   |
| Neodymium  | 150-1 |           |          |          |            |         | cps   |
| Neodymium  | 150-2 |           |          |          |            |         | cps   |
| Nickel     | 60-2  | 1000.42   | 992.14   | 993.15   | 995.24     | 0.45    | ppb   |
| Phosphorus | 31-2  | 20251.19  | 19314.92 | 20448.86 | 20004.99   | 3.03    | ppb   |
| Potassium  | 39-2  | 48356.33  | 47845.22 | 47463.17 | 47888.24   | 0.94    | ppb   |
| Rhodium    | 103-1 |           |          |          | 84         |         | %     |
| Rhodium    | 103-2 |           |          |          | 88         |         | %     |
| Scandium   | 45-1  |           |          |          | 86         |         | %     |
| Scandium   | 45-2  |           |          |          | 90         |         | %     |
| Selenium   | 77-2  | 1015.69   | 944.90   | 1005.80  | 988.79     | 3.88    | ppb   |
| Selenium   | 78-2  | 990.23    | 1003.91  | 990.76   | 994.97     | 0.78    | ppb   |
| Selenium   | 82-1  | 989.15    | 979.26   | 981.61   | 983.34     | 0.53    | ppb   |
| Silicon    | 28-1  | 971.75    | 980.31   | 985.29   | 979.11     | 0.70    | ppb   |
| Silver     | 109-1 | 986.99    | 987.25   | 998.16   | 990.80     | 0.64    | ppb   |
| Silver     | 107-1 | 986.00    | 993.98   | 987.43   | 989.14     | 0.43    | ppb   |
| Sodium     | 23-2  | 100707.81 | 99331.91 | 98186.02 | 99408.58   | 1.27    | ppb   |
| Strontium  | 86-1  | 989.03    | 984.97   | 988.61   | 987.54     | 0.23    | ppb   |
| Strontium  | 88-1  | 991.52    | 989.25   | 987.60   | 989.46     | 0.20    | ppb   |
| Sulfur     | 34-1  | 19699.83  | 19946.90 | 19742.97 | 19796.56   | 0.67    | ppb   |
| Terbium    | 159-1 |           |          |          | 103        |         | %     |
| Terbium    | 159-2 |           |          |          | 98         |         | %     |
| Thallium   | 203-1 | 988.72    | 1002.41  | 995.40   | 995.51     | 0.69    | ppb   |
| Thallium   | 205-1 | 990.79    | 1001.18  | 996.06   | 996.01     | 0.52    | ppb   |
| Thorium    | 232-1 | 995.21    | 1001.93  | 997.90   | 998.35     | 0.34    | ppb   |
| Tin        | 118-1 | 993.65    | 984.50   | 990.31   | 989.49     | 0.47    | ppb   |
| Titanium   | 47-1  | 4902.17   | 4947.69  | 4928.98  | 4926.28    | 0.46    | ppb   |
| Uranium    | 238-1 | 1001.90   | 1000.76  | 996.57   | 999.74     | 0.28    | ppb   |
| Vanadium   | 51-2  | 1007.43   | 995.21   | 992.72   | 998.45     | 0.79    | ppb   |
| Yttrium    | 89-1  |           |          |          | 97         |         | %     |
| Yttrium    | 89-2  |           |          |          | 92         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:30:46 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2031.57 | 2011.25 | 2033.00 | 2025.27    | 0.60    | ppb   |
| Zirconium | 90-1 | 986.25  | 987.90  | 982.81  | 985.66     | 0.26    | ppb   |
| Zirconium | 91-1 | 995.32  | 982.76  | 970.71  | 982.93     | 1.25    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S8 Instrumnet Name : P7  
 Client Sample ID : S8 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:34:37 DataFile Name : 011CAL.S.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 101737.77 | 98639.92  | 99344.54  | 99907.41   | 1.63    | ppb   |
| Antimony   | 121-1 | 1.70      | 1.73      | 1.55      | 1.66       | 5.86    | ppb   |
| Arsenic    | 75-2  | 1.32      | 1.40      | 1.32      | 1.35       | 3.38    | ppb   |
| Barium     | 135-1 | 0.66      | 0.55      | 0.58      | 0.59       | 9.84    | ppb   |
| Barium     | 137-1 | 0.70      | 0.57      | 0.57      | 0.61       | 12.06   | ppb   |
| Beryllium  | 9-1   | 0.17      | 0.06      | 0.09      | 0.11       | 52.55   | ppb   |
| Bismuth    | 209-1 |           |           |           | 81         |         | %     |
| Bismuth    | 209-2 |           |           |           | 80         |         | %     |
| Boron      | 10-1  | 47.56     | 47.58     | 48.24     | 47.79      | 0.81    | ppb   |
| Boron      | 11-1  | 51.48     | 48.31     | 43.96     | 47.92      | 7.88    | ppb   |
| Cadmium    | 111-1 | -0.04     | 0.21      | 0.25      | 0.14       | 109.23  | ppb   |
| Cadmium    | 106-1 | -1.91     | 0.49      | 1.11      | -0.10      |         | ppb   |
| Cadmium    | 108-1 | 0.48      | 0.12      | 0.12      | 0.24       | 85.40   | ppb   |
| Calcium    | 43-1  | 496460.99 | 496685.07 | 501513.75 | 498219.94  | 0.57    | ppb   |
| Calcium    | 44-1  | 498384.57 | 499048.77 | 499741.14 | 499058.16  | 0.14    | ppb   |
| Chromium   | 52-2  | 18.29     | 17.62     | 17.44     | 17.79      | 2.52    | ppb   |
| Cobalt     | 59-2  | 11.93     | 11.96     | 12.22     | 12.04      | 1.34    | ppb   |
| Copper     | 63-2  | 2.51      | 2.44      | 2.37      | 2.44       | 2.96    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 96         |         | %     |
| Holmium    | 165-2 |           |           |           | 92         |         | %     |
| Indium     | 115-1 |           |           |           | 83         |         | %     |
| Indium     | 115-2 |           |           |           | 85         |         | %     |
| Iron       | 56-2  | 253536.87 | 248140.32 | 248011.35 | 249896.18  | 1.26    | ppb   |
| Iron       | 57-2  | 254005.47 | 246229.12 | 247820.08 | 249351.56  | 1.65    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 0.94      | 1.11      | 0.90      | 0.98       | 11.38   | ppb   |
| Lead       | 207-1 | 0.82      | 0.69      | 0.68      | 0.73       | 10.22   | ppb   |
| Lead       | 208-1 | 0.85      | 0.89      | 0.77      | 0.84       | 6.97    | ppb   |
| Lithium    | 6-1   |           |           |           | 84         |         | %     |
| Magnesium  | 24-2  | 511075.80 | 493151.49 | 495481.16 | 499902.81  | 1.95    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:34:37 | DataFile Name :   | 011CALS.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 5.78      | 6.05      | 5.76      | 5.86       | 2.74    | ppb   |
| Molybdenum | 94-1  | 2.71      | 2.76      | 2.60      | 2.69       | 3.09    | ppb   |
| Molybdenum | 95-1  | 3.26      | 2.93      | 2.99      | 3.06       | 5.74    | ppb   |
| Molybdenum | 96-1  | 4.28      | 4.51      | 4.32      | 4.37       | 2.86    | ppb   |
| Molybdenum | 97-1  | 3.21      | 3.10      | 3.16      | 3.16       | 1.76    | ppb   |
| Molybdenum | 98-1  | 3.16      | 2.90      | 3.12      | 3.06       | 4.48    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 19.25     | 19.57     | 18.95     | 19.26      | 1.62    | ppb   |
| Phosphorus | 31-2  | -0.44     | -10.03    | -31.18    | -13.88     |         | ppb   |
| Potassium  | 39-2  | 254396.18 | 247548.05 | 249415.50 | 250453.24  | 1.41    | ppb   |
| Rhodium    | 103-1 |           |           |           | 76         |         | %     |
| Rhodium    | 103-2 |           |           |           | 78         |         | %     |
| Scandium   | 45-1  |           |           |           | 88         |         | %     |
| Scandium   | 45-2  |           |           |           | 88         |         | %     |
| Selenium   | 77-2  | 0.00      | 0.00      | 0.00      | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -1.22     | -1.43     | -0.09     | -0.91      |         | ppb   |
| Selenium   | 82-1  | 0.01      | -0.20     | -0.56     | -0.25      |         | ppb   |
| Silicon    | 28-1  | 173.20    | 175.57    | 178.78    | 175.85     | 1.59    | ppb   |
| Silver     | 109-1 | 0.04      | 0.05      | 0.06      | 0.05       | 20.21   | ppb   |
| Silver     | 107-1 | 0.06      | 0.05      | 0.03      | 0.05       | 28.80   | ppb   |
| Sodium     | 23-2  | 511008.48 | 491818.66 | 497374.48 | 500067.21  | 1.97    | ppb   |
| Strontium  | 86-1  | 4.21      | 4.18      | 3.77      | 4.05       | 6.07    | ppb   |
| Strontium  | 88-1  | 4.18      | 4.12      | 4.27      | 4.19       | 1.72    | ppb   |
| Sulfur     | 34-1  | -1106.06  | -1203.61  | -1150.37  | -1153.35   |         | ppb   |
| Terbium    | 159-1 |           |           |           | 96         |         | %     |
| Terbium    | 159-2 |           |           |           | 91         |         | %     |
| Thallium   | 203-1 | 0.54      | 0.24      | 0.30      | 0.36       | 43.56   | ppb   |
| Thallium   | 205-1 | 0.34      | 0.39      | 0.30      | 0.35       | 13.20   | ppb   |
| Thorium    | 232-1 | 0.18      | 0.17      | 0.16      | 0.17       | 6.46    | ppb   |
| Tin        | 118-1 | 0.49      | 0.41      | 0.30      | 0.40       | 23.71   | ppb   |
| Titanium   | 47-1  | 1.53      | 1.56      | 1.41      | 1.50       | 5.23    | ppb   |
| Uranium    | 238-1 | 0.05      | 0.05      | 0.03      | 0.04       | 25.20   | ppb   |
| Vanadium   | 51-2  | 0.27      | 0.24      | 0.21      | 0.24       | 11.42   | ppb   |
| Yttrium    | 89-1  |           |           |           | 93         |         | %     |
| Yttrium    | 89-2  |           |           |           | 90         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:34:37 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 16.74   | 15.93   | 16.49   | 16.39      | 2.54    | ppb   |
| Zirconium | 90-1 | 0.24    | 0.22    | 0.28    | 0.25       | 13.39   | ppb   |
| Zirconium | 91-1 | 0.25    | 0.36    | 0.17    | 0.26       | 37.12   | ppb   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:46:29 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 518.88  | 509.84  | 542.87  | 523.86     | 3.26    | ppb   |
| Antimony   | 121-1 | 201.51  | 200.18  | 198.22  | 199.97     | 0.83    | ppb   |
| Arsenic    | 75-2  | 210.49  | 209.75  | 203.91  | 208.05     | 1.73    | ppb   |
| Barium     | 135-1 | 102.22  | 101.45  | 102.73  | 102.14     | 0.63    | ppb   |
| Barium     | 137-1 | 102.94  | 99.00   | 104.35  | 102.10     | 2.72    | ppb   |
| Beryllium  | 9-1   | 98.59   | 99.54   | 99.83   | 99.32      | 0.65    | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 99         |         | %     |
| Boron      | 10-1  | 10.00   | 9.42    | 8.38    | 9.27       | 8.86    | ppb   |
| Boron      | 11-1  | 8.79    | 8.95    | 8.38    | 8.71       | 3.40    | ppb   |
| Cadmium    | 111-1 | 97.71   | 96.75   | 98.89   | 97.78      | 1.09    | ppb   |
| Cadmium    | 106-1 | 80.18   | 67.57   | 79.06   | 75.60      | 9.23    | ppb   |
| Cadmium    | 108-1 | 99.72   | 106.80  | 94.63   | 100.38     | 6.09    | ppb   |
| Calcium    | 43-1  | 1970.33 | 2001.05 | 2109.81 | 2027.06    | 3.62    | ppb   |
| Calcium    | 44-1  | 2033.60 | 2053.62 | 2065.98 | 2051.06    | 0.80    | ppb   |
| Chromium   | 52-2  | 101.17  | 103.15  | 102.04  | 102.12     | 0.97    | ppb   |
| Cobalt     | 59-2  | 104.04  | 105.92  | 103.81  | 104.59     | 1.11    | ppb   |
| Copper     | 63-2  | 100.67  | 99.14   | 97.53   | 99.11      | 1.58    | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 105        |         | %     |
| Holmium    | 165-2 |         |         |         | 99         |         | %     |
| Indium     | 115-1 |         |         |         | 98         |         | %     |
| Indium     | 115-2 |         |         |         | 99         |         | %     |
| Iron       | 56-2  | 1091.06 | 1102.74 | 1095.34 | 1096.38    | 0.54    | ppb   |
| Iron       | 57-2  | 1121.82 | 1102.03 | 1089.06 | 1104.30    | 1.49    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 194.88  | 192.13  | 196.20  | 194.40     | 1.07    | ppb   |
| Lead       | 207-1 | 186.34  | 188.27  | 186.37  | 186.99     | 0.59    | ppb   |
| Lead       | 208-1 | 191.42  | 192.13  | 192.49  | 192.01     | 0.28    | ppb   |
| Lithium    | 6-1   |         |         |         | 97         |         | %     |
| Magnesium  | 24-2  | 1323.01 | 1336.72 | 1334.00 | 1331.24    | 0.55    | ppb   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:46:29 | DataFile Name :   | 012ICV01.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 100.66   | 101.68   | 100.14   | 100.82     | 0.78    | ppb   |
| Molybdenum | 94-1  | 1559.41  | 1551.13  | 1550.85  | 1553.80    | 0.31    | ppb   |
| Molybdenum | 95-1  | 2200.15  | 2243.61  | 2234.38  | 2226.05    | 1.03    | ppb   |
| Molybdenum | 96-1  | 2116.14  | 2138.92  | 2166.56  | 2140.54    | 1.18    | ppb   |
| Molybdenum | 97-1  | 2134.80  | 2156.35  | 2141.94  | 2144.36    | 0.51    | ppb   |
| Molybdenum | 98-1  | 2186.50  | 2227.06  | 2214.16  | 2209.24    | 0.94    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 105.88   | 106.65   | 108.04   | 106.86     | 1.02    | ppb   |
| Phosphorus | 31-2  | -6.98    | -7.42    | -40.40   | -18.27     |         | ppb   |
| Potassium  | 39-2  | 2048.95  | 2087.10  | 2068.64  | 2068.23    | 0.92    | ppb   |
| Rhodium    | 103-1 |          |          |          | 95         |         | %     |
| Rhodium    | 103-2 |          |          |          | 97         |         | %     |
| Scandium   | 45-1  |          |          |          | 98         |         | %     |
| Scandium   | 45-2  |          |          |          | 97         |         | %     |
| Selenium   | 77-2  | 222.70   | 258.78   | 204.07   | 228.52     | 12.17   | ppb   |
| Selenium   | 78-2  | 191.15   | 214.81   | 206.94   | 204.30     | 5.90    | ppb   |
| Selenium   | 82-1  | 203.62   | 200.46   | 192.91   | 199.00     | 2.77    | ppb   |
| Silicon    | 28-1  | 3.75     | 6.22     | 7.49     | 5.82       | 32.64   | ppb   |
| Silver     | 109-1 | 99.60    | 97.38    | 96.02    | 97.67      | 1.85    | ppb   |
| Silver     | 107-1 | 99.02    | 99.14    | 97.58    | 98.58      | 0.88    | ppb   |
| Sodium     | 23-2  | 2138.46  | 2128.32  | 2122.21  | 2129.67    | 0.39    | ppb   |
| Strontium  | 86-1  | 1.97     | 2.19     | 2.09     | 2.08       | 5.39    | ppb   |
| Strontium  | 88-1  | 2.43     | 2.31     | 2.31     | 2.35       | 3.11    | ppb   |
| Sulfur     | 34-1  | -1124.50 | -1112.79 | -1322.85 | -1186.71   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 106        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 191.48   | 190.54   | 187.39   | 189.80     | 1.13    | ppb   |
| Thallium   | 205-1 | 195.44   | 195.11   | 192.43   | 194.32     | 0.85    | ppb   |
| Thorium    | 232-1 | 0.07     | 0.09     | 0.08     | 0.08       | 12.38   | ppb   |
| Tin        | 118-1 | 0.05     | 0.06     | 0.07     | 0.06       | 15.54   | ppb   |
| Titanium   | 47-1  | 2315.75  | 2357.84  | 2345.08  | 2339.56    | 0.92    | ppb   |
| Uranium    | 238-1 | -0.01    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Vanadium   | 51-2  | 101.71   | 102.28   | 100.80   | 101.60     | 0.73    | ppb   |
| Yttrium    | 89-1  |          |          |          | 106        |         | %     |
| Yttrium    | 89-2  |          |          |          | 99         |         | %     |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:46:29 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 185.02  | 185.97  | 191.76  | 187.58     | 1.94    | ppb   |
| Zirconium | 90-1 | 0.16    | 0.13    | 0.19    | 0.16       | 18.82   | ppb   |
| Zirconium | 91-1 | 0.22    | 0.17    | 0.16    | 0.18       | 17.88   | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:50:51 DataFile Name : 013CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.11   | -0.46   | -0.82   | -0.46      |         | ppb   |
| Antimony   | 121-1 | 0.07    | 0.20    | 0.21    | 0.16       | 46.89   | ppb   |
| Arsenic    | 75-2  | -0.04   | 0.00    | 0.08    | 0.01       | 448.19  | ppb   |
| Barium     | 135-1 | 0.01    | -0.02   | 0.06    | 0.02       | 242.92  | ppb   |
| Barium     | 137-1 | -0.02   | 0.01    | -0.02   | -0.01      |         | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.01    | 0.00    | 0.01       | 162.14  | ppb   |
| Bismuth    | 209-1 |         |         |         | 100        |         | %     |
| Bismuth    | 209-2 |         |         |         | 99         |         | %     |
| Boron      | 10-1  | 4.48    | 5.99    | 6.66    | 5.71       | 19.60   | ppb   |
| Boron      | 11-1  | 5.25    | 4.76    | 5.59    | 5.20       | 8.01    | ppb   |
| Cadmium    | 111-1 | -0.07   | -0.17   | 0.06    | -0.06      |         | ppb   |
| Cadmium    | 106-1 | -0.45   | -2.31   | 0.61    | -0.72      |         | ppb   |
| Cadmium    | 108-1 | 0.11    | 0.11    | 0.27    | 0.16       | 57.89   | ppb   |
| Calcium    | 43-1  | 0.45    | 4.17    | 5.39    | 3.34       | 77.17   | ppb   |
| Calcium    | 44-1  | 0.12    | 0.22    | -0.18   | 0.05       | 387.28  | ppb   |
| Chromium   | 52-2  | 0.09    | 0.03    | 0.01    | 0.04       | 94.22   | ppb   |
| Cobalt     | 59-2  | -0.01   | -0.03   | -0.03   | -0.02      |         | ppb   |
| Copper     | 63-2  | 0.05    | -0.02   | 0.01    | 0.01       | 297.43  | 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 |         |         |         | 104        |         | %     |
| Holmium    | 165-2 |         |         |         | 99         |         | %     |
| Indium     | 115-1 |         |         |         | 98         |         | %     |
| Indium     | 115-2 |         |         |         | 98         |         | %     |
| Iron       | 56-2  | 0.18    | -0.01   | -0.22   | -0.02      |         | ppb   |
| Iron       | 57-2  | -0.69   | -2.97   | -1.83   | -1.83      |         | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.05    | 0.04    | 0.02    | 0.04       | 39.92   | ppb   |
| Lead       | 207-1 | 0.01    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Lead       | 208-1 | 0.02    | 0.02    | 0.01    | 0.02       | 31.71   | ppb   |
| Lithium    | 6-1   |         |         |         | 97         |         | %     |
| Magnesium  | 24-2  | 0.35    | 0.50    | 0.35    | 0.40       | 21.21   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:50:51 | DataFile Name :   | 013CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | -0.04   | -0.02   | 0.01    | -0.02      |         | ppb   |
| Molybdenum | 94-1  | 0.25    | 0.25    | 0.15    | 0.21       | 27.50   | ppb   |
| Molybdenum | 95-1  | 0.38    | 0.35    | 0.26    | 0.33       | 19.53   | ppb   |
| Molybdenum | 96-1  | 0.34    | 0.38    | 0.22    | 0.31       | 27.06   | ppb   |
| Molybdenum | 97-1  | 0.35    | 0.30    | 0.34    | 0.33       | 8.41    | ppb   |
| Molybdenum | 98-1  | 0.40    | 0.38    | 0.30    | 0.36       | 14.25   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.02   | -0.08   | -0.09   | -0.06      |         | ppb   |
| Phosphorus | 31-2  | -27.51  | -34.08  | -27.62  | -29.74     |         | ppb   |
| Potassium  | 39-2  | 6.50    | 2.97    | 4.96    | 4.81       | 36.83   | ppb   |
| Rhodium    | 103-1 |         |         |         | 97         |         | %     |
| Rhodium    | 103-2 |         |         |         | 98         |         | %     |
| Scandium   | 45-1  |         |         |         | 97         |         | %     |
| Scandium   | 45-2  |         |         |         | 99         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.74   | 0.83    | -0.79   | -0.24      |         | ppb   |
| Selenium   | 82-1  | -0.10   | -0.84   | 0.57    | -0.12      |         | ppb   |
| Silicon    | 28-1  | 0.06    | -0.88   | -0.71   | -0.51      |         | ppb   |
| Silver     | 109-1 | 0.00    | 0.01    | 0.01    | 0.01       | 90.44   | ppb   |
| Silver     | 107-1 | 0.02    | 0.01    | 0.02    | 0.02       | 38.97   | ppb   |
| Sodium     | 23-2  | 21.77   | 26.51   | 22.20   | 23.49      | 11.14   | ppb   |
| Strontium  | 86-1  | -0.04   | 0.00    | 0.10    | 0.02       | 390.57  | ppb   |
| Strontium  | 88-1  | 0.01    | 0.00    | 0.00    | 0.00       | 176.08  | ppb   |
| Sulfur     | 34-1  | -901.36 | -848.58 | -897.61 | -882.51    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 105        |         | %     |
| Terbium    | 159-2 |         |         |         | 99         |         | %     |
| Thallium   | 203-1 | 0.04    | 0.03    | 0.01    | 0.03       | 59.67   | ppb   |
| Thallium   | 205-1 | 0.01    | 0.02    | 0.01    | 0.01       | 48.14   | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01    | 0.01    | 0.01       | 26.27   | ppb   |
| Tin        | 118-1 | 0.01    | 0.06    | 0.06    | 0.04       | 70.85   | ppb   |
| Titanium   | 47-1  | 0.20    | 0.15    | 0.29    | 0.21       | 31.30   | ppb   |
| Uranium    | 238-1 | -0.02   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Yttrium    | 89-1  |         |         |         | 106        |         | %     |
| Yttrium    | 89-2  |         |         |         | 99         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:50:51 | DataFile Name :   | 013CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.28   | -0.19   | -0.28   | -0.25      |         | ppb   |
| Zirconium | 90-1 | 0.00    | -0.02   | 0.00    | -0.01      |         | ppb   |
| Zirconium | 91-1 | 0.01    | -0.04   | -0.03   | -0.02      |         | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P7  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:54:28 DataFile Name : 014ICSA01.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 86893.74  | 88398.01  | 85883.03  | 87058.26   | 1.45    | ppb   |
| Antimony   | 121-1 | 1.17      | 1.11      | 1.20      | 1.16       | 3.97    | ppb   |
| Arsenic    | 75-2  | 0.52      | 0.41      | 0.20      | 0.38       | 42.81   | ppb   |
| Barium     | 135-1 | 1.35      | 1.19      | 1.33      | 1.29       | 6.66    | ppb   |
| Barium     | 137-1 | 1.57      | 1.37      | 1.23      | 1.39       | 12.24   | ppb   |
| Beryllium  | 9-1   | 0.21      | 0.25      | 0.26      | 0.24       | 10.13   | ppb   |
| Bismuth    | 209-1 |           |           |           | 95         |         | %     |
| Bismuth    | 209-2 |           |           |           | 95         |         | %     |
| Boron      | 10-1  | 4.39      | 5.52      | 4.53      | 4.81       | 12.74   | ppb   |
| Boron      | 11-1  | 5.01      | 5.48      | 4.19      | 4.89       | 13.29   | ppb   |
| Cadmium    | 111-1 | 0.34      | 0.77      | 0.44      | 0.52       | 43.46   | ppb   |
| Cadmium    | 106-1 | -0.14     | 1.08      | -1.02     | -0.03      |         | ppb   |
| Cadmium    | 108-1 | 17.16     | 12.25     | 14.09     | 14.50      | 17.10   | ppb   |
| Calcium    | 43-1  | 100402.25 | 101866.46 | 102362.41 | 101543.71  | 1.00    | ppb   |
| Calcium    | 44-1  | 99432.22  | 100506.32 | 101708.29 | 100548.95  | 1.13    | ppb   |
| Chromium   | 52-2  | 19.12     | 20.63     | 19.49     | 19.75      | 3.98    | ppb   |
| Cobalt     | 59-2  | 1.12      | 1.18      | 1.14      | 1.15       | 2.84    | ppb   |
| Copper     | 63-2  | 6.96      | 6.99      | 6.87      | 6.94       | 0.87    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 107        |         | %     |
| Holmium    | 165-2 |           |           |           | 103        |         | %     |
| Indium     | 115-1 |           |           |           | 94         |         | %     |
| Indium     | 115-2 |           |           |           | 96         |         | %     |
| Iron       | 56-2  | 98703.81  | 100484.56 | 97705.07  | 98964.48   | 1.42    | ppb   |
| Iron       | 57-2  | 102416.37 | 105696.14 | 104562.93 | 104225.15  | 1.60    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 4.74      | 4.63      | 4.58      | 4.65       | 1.78    | ppb   |
| Lead       | 207-1 | 3.80      | 3.80      | 4.18      | 3.93       | 5.54    | ppb   |
| Lead       | 208-1 | 4.29      | 4.29      | 4.40      | 4.33       | 1.47    | ppb   |
| Lithium    | 6-1   |           |           |           | 94         |         | %     |
| Magnesium  | 24-2  | 98091.40  | 100356.13 | 98645.56  | 99031.03   | 1.19    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P7  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:54:28 DataFile Name : 014ICSA01.d

| Parameter  | Mass  | ConRep1  | ConRep2   | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|-----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 7.48     | 8.34      | 8.25     | 8.02       | 5.87    | ppb   |
| Molybdenum | 94-1  | 1249.47  | 1238.65   | 1222.64  | 1236.92    | 1.09    | ppb   |
| Molybdenum | 95-1  | 1764.77  | 1784.42   | 1781.63  | 1776.94    | 0.60    | ppb   |
| Molybdenum | 96-1  | 1711.92  | 1713.92   | 1712.62  | 1712.82    | 0.06    | ppb   |
| Molybdenum | 97-1  | 1735.28  | 1719.21   | 1707.83  | 1720.78    | 0.80    | ppb   |
| Molybdenum | 98-1  | 1757.38  | 1771.45   | 1759.19  | 1762.68    | 0.43    | ppb   |
| Neodymium  | 150-1 |          |           |          |            |         | cps   |
| Neodymium  | 150-2 |          |           |          |            |         | cps   |
| Nickel     | 60-2  | 5.67     | 4.90      | 4.88     | 5.15       | 8.68    | ppb   |
| Phosphorus | 31-2  | 95648.87 | 97105.06  | 94852.13 | 95868.68   | 1.19    | ppb   |
| Potassium  | 39-2  | 95908.90 | 98108.80  | 95369.59 | 96462.43   | 1.50    | ppb   |
| Rhodium    | 103-1 |          |           |          | 87         |         | %     |
| Rhodium    | 103-2 |          |           |          | 93         |         | %     |
| Scandium   | 45-1  |          |           |          | 92         |         | %     |
| Scandium   | 45-2  |          |           |          | 97         |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00      | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -1.64    | -2.84     | -1.21    | -1.89      |         | ppb   |
| Selenium   | 82-1  | -0.76    | -0.06     | 0.08     | -0.25      |         | ppb   |
| Silicon    | 28-1  | 25.27    | 24.96     | 25.92    | 25.38      | 1.94    | ppb   |
| Silver     | 109-1 | 0.01     | 0.02      | 0.05     | 0.03       | 73.31   | ppb   |
| Silver     | 107-1 | 0.02     | 0.00      | 0.03     | 0.02       | 73.71   | ppb   |
| Sodium     | 23-2  | 98120.53 | 100575.24 | 98546.02 | 99080.60   | 1.32    | ppb   |
| Strontium  | 86-1  | 33.34    | 32.53     | 32.99    | 32.96      | 1.24    | ppb   |
| Strontium  | 88-1  | 33.00    | 32.42     | 32.39    | 32.60      | 1.06    | ppb   |
| Sulfur     | 34-1  | 96401.94 | 96140.14  | 96953.33 | 96498.47   | 0.43    | ppb   |
| Terbium    | 159-1 |          |           |          | 107        |         | %     |
| Terbium    | 159-2 |          |           |          | 102        |         | %     |
| Thallium   | 203-1 | 0.13     | 0.18      | 0.11     | 0.14       | 26.13   | ppb   |
| Thallium   | 205-1 | 0.13     | 0.11      | 0.11     | 0.12       | 13.59   | ppb   |
| Thorium    | 232-1 | 0.01     | 0.02      | 0.02     | 0.02       | 23.76   | ppb   |
| Tin        | 118-1 | 0.26     | 0.24      | 0.22     | 0.24       | 8.77    | ppb   |
| Titanium   | 47-1  | 1965.64  | 1994.99   | 1984.46  | 1981.70    | 0.75    | ppb   |
| Uranium    | 238-1 | 0.00     | 0.01      | -0.01    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.13     | 0.21      | 0.19     | 0.17       | 24.12   | ppb   |
| Yttrium    | 89-1  |          |           |          | 103        |         | %     |
| Yttrium    | 89-2  |          |           |          | 100        |         | %     |



|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB104174            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-07-23 13:54:28 | DataFile Name :   | 014ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 10.60   | 14.28   | 10.69   | 11.86      | 17.72   | ppb   |
| Zirconium | 90-1 | 0.01    | 0.02    | 0.00    | 0.01       | 58.20   | ppb   |
| Zirconium | 91-1 | 0.00    | 0.07    | 0.05    | 0.04       | 90.82   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:58:05 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 89885.15  | 88410.89  | 87756.50  | 88684.18   | 1.23    | ppb   |
| Antimony   | 121-1 | 20.31     | 20.85     | 20.37     | 20.51      | 1.45    | ppb   |
| Arsenic    | 75-2  | 19.76     | 18.91     | 19.19     | 19.28      | 2.24    | ppb   |
| Barium     | 135-1 | 21.95     | 21.20     | 20.43     | 21.19      | 3.60    | ppb   |
| Barium     | 137-1 | 21.69     | 19.86     | 21.99     | 21.18      | 5.45    | ppb   |
| Beryllium  | 9-1   | 20.35     | 19.41     | 19.62     | 19.79      | 2.49    | ppb   |
| Bismuth    | 209-1 |           |           |           | 96         |         | %     |
| Bismuth    | 209-2 |           |           |           | 95         |         | %     |
| Boron      | 10-1  | 52.05     | 53.40     | 55.31     | 53.59      | 3.07    | ppb   |
| Boron      | 11-1  | 54.94     | 56.54     | 54.18     | 55.22      | 2.18    | ppb   |
| Cadmium    | 111-1 | 18.95     | 18.63     | 18.91     | 18.83      | 0.92    | ppb   |
| Cadmium    | 106-1 | 24.38     | 25.81     | 27.87     | 26.02      | 6.74    | ppb   |
| Cadmium    | 108-1 | 33.98     | 36.16     | 36.47     | 35.54      | 3.83    | ppb   |
| Calcium    | 43-1  | 103953.09 | 102649.99 | 102697.99 | 103100.36  | 0.72    | ppb   |
| Calcium    | 44-1  | 101455.70 | 102064.45 | 102051.58 | 101857.24  | 0.34    | ppb   |
| Chromium   | 52-2  | 40.63     | 40.54     | 40.53     | 40.57      | 0.14    | ppb   |
| Cobalt     | 59-2  | 21.10     | 21.20     | 21.64     | 21.32      | 1.33    | ppb   |
| Copper     | 63-2  | 25.37     | 26.46     | 25.57     | 25.80      | 2.24    | 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 |           |           |           | 108        |         | %     |
| Holmium    | 165-2 |           |           |           | 102        |         | %     |
| Indium     | 115-1 |           |           |           | 95         |         | %     |
| Indium     | 115-2 |           |           |           | 96         |         | %     |
| Iron       | 56-2  | 102440.37 | 99811.69  | 100122.09 | 100791.38  | 1.43    | ppb   |
| Iron       | 57-2  | 107495.51 | 106518.14 | 105565.69 | 106526.45  | 0.91    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 24.76     | 24.60     | 23.85     | 24.40      | 1.98    | ppb   |
| Lead       | 207-1 | 23.49     | 22.62     | 22.96     | 23.03      | 1.90    | ppb   |
| Lead       | 208-1 | 23.82     | 23.27     | 23.49     | 23.53      | 1.17    | ppb   |
| Lithium    | 6-1   |           |           |           | 94         |         | %     |
| Magnesium  | 24-2  | 102036.31 | 100169.00 | 100232.84 | 100812.72  | 1.05    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:58:05 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 27.84     | 28.74     | 27.46     | 28.01      | 2.34    | ppb   |
| Molybdenum | 94-1  | 1381.05   | 1361.35   | 1355.10   | 1365.84    | 0.99    | ppb   |
| Molybdenum | 95-1  | 1829.73   | 1836.25   | 1830.29   | 1832.09    | 0.20    | ppb   |
| Molybdenum | 96-1  | 1781.52   | 1778.91   | 1773.61   | 1778.01    | 0.23    | ppb   |
| Molybdenum | 97-1  | 1823.15   | 1770.42   | 1773.63   | 1789.07    | 1.65    | ppb   |
| Molybdenum | 98-1  | 1827.10   | 1817.66   | 1827.03   | 1823.93    | 0.30    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 25.83     | 24.14     | 24.62     | 24.86      | 3.51    | ppb   |
| Phosphorus | 31-2  | 98311.47  | 97962.36  | 98482.50  | 98252.11   | 0.27    | ppb   |
| Potassium  | 39-2  | 99622.31  | 97435.20  | 97346.05  | 98134.52   | 1.31    | ppb   |
| Rhodium    | 103-1 |           |           |           | 88         |         | %     |
| Rhodium    | 103-2 |           |           |           | 93         |         | %     |
| Scandium   | 45-1  |           |           |           | 93         |         | %     |
| Scandium   | 45-2  |           |           |           | 97         |         | %     |
| Selenium   | 77-2  | 19.98     | 19.78     | 24.72     | 21.49      | 13.02   | ppb   |
| Selenium   | 78-2  | 14.58     | 17.27     | 13.58     | 15.14      | 12.60   | ppb   |
| Selenium   | 82-1  | 19.03     | 17.66     | 18.51     | 18.40      | 3.77    | ppb   |
| Silicon    | 28-1  | 76.34     | 76.45     | 76.31     | 76.37      | 0.09    | ppb   |
| Silver     | 109-1 | 18.10     | 17.92     | 18.74     | 18.26      | 2.37    | ppb   |
| Silver     | 107-1 | 18.19     | 17.84     | 17.86     | 17.96      | 1.08    | ppb   |
| Sodium     | 23-2  | 102116.38 | 100681.71 | 100023.95 | 100940.68  | 1.06    | ppb   |
| Strontium  | 86-1  | 94.40     | 93.28     | 90.29     | 92.66      | 2.29    | ppb   |
| Strontium  | 88-1  | 93.27     | 92.61     | 91.72     | 92.53      | 0.84    | ppb   |
| Sulfur     | 34-1  | 97889.98  | 97482.70  | 96673.49  | 97348.73   | 0.64    | ppb   |
| Terbium    | 159-1 |           |           |           | 108        |         | %     |
| Terbium    | 159-2 |           |           |           | 101        |         | %     |
| Thallium   | 203-1 | 18.91     | 19.25     | 19.57     | 19.24      | 1.70    | ppb   |
| Thallium   | 205-1 | 19.57     | 19.31     | 19.14     | 19.34      | 1.11    | ppb   |
| Thorium    | 232-1 | 0.05      | 0.07      | 0.06      | 0.06       | 19.03   | ppb   |
| Tin        | 118-1 | 50.20     | 49.11     | 51.00     | 50.10      | 1.89    | ppb   |
| Titanium   | 47-1  | 2066.67   | 2054.06   | 2050.50   | 2057.08    | 0.41    | ppb   |
| Uranium    | 238-1 | 50.98     | 50.56     | 51.06     | 50.87      | 0.52    | ppb   |
| Vanadium   | 51-2  | 20.60     | 20.77     | 20.21     | 20.52      | 1.40    | ppb   |
| Yttrium    | 89-1  |           |           |           | 104        |         | %     |
| Yttrium    | 89-2  |           |           |           | 99         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:58:05 | DataFile Name :   | 015ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 31.13   | 29.36   | 29.17   | 29.89      | 3.62    | ppb   |
| Zirconium | 90-1 | 49.64   | 49.31   | 49.20   | 49.39      | 0.46    | ppb   |
| Zirconium | 91-1 | 52.37   | 51.36   | 49.56   | 51.09      | 2.79    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV43               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV43               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 14:01:43 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 52272.95  | 53788.35  | 52650.23  | 52903.84   | 1.49    | ppb   |
| Antimony   | 121-1 | 484.96    | 488.04    | 480.11    | 484.37     | 0.83    | ppb   |
| Arsenic    | 75-2  | 513.47    | 516.09    | 526.04    | 518.54     | 1.28    | ppb   |
| Barium     | 135-1 | 2498.38   | 2522.44   | 2455.03   | 2491.95    | 1.37    | ppb   |
| Barium     | 137-1 | 2456.09   | 2473.93   | 2452.79   | 2460.94    | 0.46    | ppb   |
| Beryllium  | 9-1   | 492.79    | 493.29    | 492.27    | 492.78     | 0.10    | ppb   |
| Bismuth    | 209-1 |           |           |           | 93         |         | %     |
| Bismuth    | 209-2 |           |           |           | 94         |         | %     |
| Boron      | 10-1  | 460.13    | 468.99    | 479.66    | 469.59     | 2.08    | ppb   |
| Boron      | 11-1  | 471.14    | 477.37    | 486.73    | 478.41     | 1.64    | ppb   |
| Cadmium    | 111-1 | 490.87    | 495.47    | 481.31    | 489.22     | 1.48    | ppb   |
| Cadmium    | 106-1 | 500.80    | 515.38    | 477.51    | 497.89     | 3.84    | ppb   |
| Cadmium    | 108-1 | 500.73    | 507.42    | 502.66    | 503.60     | 0.68    | ppb   |
| Calcium    | 43-1  | 240393.67 | 242066.14 | 243945.04 | 242134.95  | 0.73    | ppb   |
| Calcium    | 44-1  | 240850.02 | 241527.78 | 244732.63 | 242370.14  | 0.86    | ppb   |
| Chromium   | 52-2  | 484.13    | 495.71    | 486.24    | 488.69     | 1.26    | ppb   |
| Cobalt     | 59-2  | 470.50    | 483.81    | 478.64    | 477.65     | 1.40    | ppb   |
| Copper     | 63-2  | 937.23    | 966.53    | 951.62    | 951.79     | 1.54    | 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 |           |           |           | 108        |         | %     |
| Holmium    | 165-2 |           |           |           | 104        |         | %     |
| Indium     | 115-1 |           |           |           | 95         |         | %     |
| Indium     | 115-2 |           |           |           | 97         |         | %     |
| Iron       | 56-2  | 118583.19 | 120108.70 | 118639.95 | 119110.61  | 0.73    | ppb   |
| Iron       | 57-2  | 125264.34 | 128713.82 | 128361.03 | 127446.40  | 1.49    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 498.92    | 497.39    | 492.41    | 496.24     | 0.69    | ppb   |
| Lead       | 207-1 | 495.21    | 489.55    | 492.00    | 492.25     | 0.58    | ppb   |
| Lead       | 208-1 | 494.25    | 494.88    | 494.96    | 494.70     | 0.08    | ppb   |
| Lithium    | 6-1   |           |           |           | 95         |         | %     |
| Magnesium  | 24-2  | 232793.86 | 236751.21 | 232771.97 | 234105.68  | 0.98    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV43               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV43               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 14:01:43 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 956.60    | 979.97    | 965.49    | 967.36     | 1.22    | ppb   |
| Molybdenum | 94-1  | 2427.10   | 2413.40   | 2410.66   | 2417.05    | 0.36    | ppb   |
| Molybdenum | 95-1  | 2422.96   | 2435.05   | 2422.46   | 2426.82    | 0.29    | ppb   |
| Molybdenum | 96-1  | 2409.01   | 2420.92   | 2415.44   | 2415.12    | 0.25    | ppb   |
| Molybdenum | 97-1  | 2378.42   | 2369.54   | 2347.82   | 2365.26    | 0.67    | ppb   |
| Molybdenum | 98-1  | 2412.87   | 2417.79   | 2401.87   | 2410.85    | 0.34    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 469.50    | 486.89    | 475.13    | 477.18     | 1.86    | ppb   |
| Phosphorus | 31-2  | 10080.45  | 9891.19   | 10352.30  | 10107.98   | 2.29    | ppb   |
| Potassium  | 39-2  | 117257.20 | 118821.81 | 116439.19 | 117506.07  | 1.03    | ppb   |
| Rhodium    | 103-1 |           |           |           | 88         |         | %     |
| Rhodium    | 103-2 |           |           |           | 92         |         | %     |
| Scandium   | 45-1  |           |           |           | 96         |         | %     |
| Scandium   | 45-2  |           |           |           | 102        |         | %     |
| Selenium   | 77-2  | 464.91    | 368.79    | 543.55    | 459.08     | 19.07   | ppb   |
| Selenium   | 78-2  | 491.96    | 474.64    | 475.83    | 480.81     | 2.01    | ppb   |
| Selenium   | 82-1  | 480.38    | 478.75    | 476.09    | 478.41     | 0.45    | ppb   |
| Silicon    | 28-1  | 510.20    | 518.82    | 521.95    | 516.99     | 1.18    | ppb   |
| Silver     | 109-1 | 510.47    | 514.97    | 500.27    | 508.57     | 1.48    | ppb   |
| Silver     | 107-1 | 515.18    | 513.23    | 506.74    | 511.71     | 0.86    | ppb   |
| Sodium     | 23-2  | 235287.71 | 236770.34 | 234819.64 | 235625.90  | 0.43    | ppb   |
| Strontium  | 86-1  | 487.09    | 482.51    | 478.25    | 482.62     | 0.92    | ppb   |
| Strontium  | 88-1  | 483.44    | 484.74    | 481.77    | 483.31     | 0.31    | ppb   |
| Sulfur     | 34-1  | 9234.41   | 9006.60   | 9267.85   | 9169.62    | 1.55    | ppb   |
| Terbium    | 159-1 |           |           |           | 107        |         | %     |
| Terbium    | 159-2 |           |           |           | 103        |         | %     |
| Thallium   | 203-1 | 491.36    | 495.02    | 499.74    | 495.37     | 0.85    | ppb   |
| Thallium   | 205-1 | 488.89    | 497.71    | 500.59    | 495.73     | 1.23    | ppb   |
| Thorium    | 232-1 | 498.14    | 505.09    | 506.26    | 503.17     | 0.87    | ppb   |
| Tin        | 118-1 | 486.15    | 486.47    | 482.65    | 485.09     | 0.44    | ppb   |
| Titanium   | 47-1  | 2475.53   | 2488.69   | 2498.42   | 2487.55    | 0.46    | ppb   |
| Uranium    | 238-1 | 498.60    | 500.08    | 504.21    | 500.96     | 0.58    | ppb   |
| Vanadium   | 51-2  | 486.51    | 498.12    | 493.78    | 492.80     | 1.19    | ppb   |
| Yttrium    | 89-1  |           |           |           | 106        |         | %     |
| Yttrium    | 89-2  |           |           |           | 102        |         | %     |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV43               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV43               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 14:01:43 | DataFile Name :   | 016CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 937.60  | 954.10  | 934.28  | 941.99     | 1.13    | ppb   |
| Zirconium | 90-1 | 485.44  | 487.56  | 484.85  | 485.95     | 0.29    | ppb   |
| Zirconium | 91-1 | 482.34  | 477.28  | 476.15  | 478.59     | 0.69    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | LLCCV               | Instrumnet Name : | P7        |
| Client Sample ID :      | LLCCV               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:10:18 | DataFile Name :   | 017LLIC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 22.71   | 21.04   | 23.94   | 22.56      | 6.46    | ppb   |
| Antimony   | 121-1 | 2.01    | 1.98    | 2.25    | 2.08       | 7.02    | ppb   |
| Arsenic    | 75-2  | 0.67    | 1.06    | 1.04    | 0.92       | 23.48   | ppb   |
| Barium     | 135-1 | 8.77    | 10.98   | 9.82    | 9.86       | 11.25   | ppb   |
| Barium     | 137-1 | 9.90    | 9.71    | 10.03   | 9.88       | 1.64    | ppb   |
| Beryllium  | 9-1   | 0.94    | 0.98    | 0.97    | 0.96       | 1.78    | ppb   |
| Bismuth    | 209-1 |         |         |         | 103        |         | %     |
| Bismuth    | 209-2 |         |         |         | 101        |         | %     |
| Boron      | 10-1  | 27.26   | 29.28   | 30.63   | 29.05      | 5.84    | ppb   |
| Boron      | 11-1  | 29.73   | 30.36   | 30.51   | 30.20      | 1.37    | ppb   |
| Cadmium    | 111-1 | 1.03    | 0.69    | 0.71    | 0.81       | 23.68   | ppb   |
| Cadmium    | 106-1 | 0.71    | -1.60   | -1.31   | -0.73      |         | ppb   |
| Cadmium    | 108-1 | 1.03    | 1.21    | 1.38    | 1.21       | 14.47   | ppb   |
| Calcium    | 43-1  | 477.81  | 510.30  | 487.16  | 491.76     | 3.40    | ppb   |
| Calcium    | 44-1  | 475.43  | 482.06  | 501.55  | 486.35     | 2.79    | ppb   |
| Chromium   | 52-2  | 1.88    | 1.98    | 1.96    | 1.94       | 2.69    | ppb   |
| Cobalt     | 59-2  | 0.93    | 0.86    | 0.88    | 0.89       | 4.29    | ppb   |
| Copper     | 63-2  | 2.03    | 1.62    | 1.98    | 1.87       | 11.88   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 108        |         | %     |
| Holmium    | 165-2 |         |         |         | 101        |         | %     |
| Indium     | 115-1 |         |         |         | 101        |         | %     |
| Indium     | 115-2 |         |         |         | 101        |         | %     |
| Iron       | 56-2  | 55.45   | 55.89   | 56.26   | 55.87      | 0.72    | ppb   |
| Iron       | 57-2  | 57.32   | 61.23   | 51.81   | 56.78      | 8.33    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.97    | 1.01    | 0.89    | 0.96       | 6.43    | ppb   |
| Lead       | 207-1 | 0.92    | 0.97    | 0.81    | 0.90       | 9.23    | ppb   |
| Lead       | 208-1 | 0.93    | 0.95    | 0.94    | 0.94       | 1.29    | ppb   |
| Lithium    | 6-1   |         |         |         | 99         |         | %     |
| Magnesium  | 24-2  | 536.61  | 543.02  | 554.57  | 544.74     | 1.67    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | LLCCV               | Instrumnet Name : | P7        |
| Client Sample ID :      | LLCCV               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:10:18 | DataFile Name :   | 017LLIC.d |

| Parameter  | Mass  | ConRep1  | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.96     | 0.88    | 1.17    | 1.00       | 14.76   | ppb   |
| Molybdenum | 94-1  | 4.75     | 4.63    | 4.63    | 4.67       | 1.55    | ppb   |
| Molybdenum | 95-1  | 4.66     | 4.51    | 4.91    | 4.69       | 4.37    | ppb   |
| Molybdenum | 96-1  | 4.35     | 4.28    | 4.61    | 4.41       | 3.95    | ppb   |
| Molybdenum | 97-1  | 4.83     | 4.65    | 4.02    | 4.50       | 9.47    | ppb   |
| Molybdenum | 98-1  | 4.50     | 4.70    | 4.27    | 4.49       | 4.82    | ppb   |
| Neodymium  | 150-1 |          |         |         |            |         | cps   |
| Neodymium  | 150-2 |          |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.90     | 1.10    | 1.09    | 1.03       | 11.16   | ppb   |
| Phosphorus | 31-2  | 45.76    | 27.23   | -3.54   | 23.15      | 107.55  | ppb   |
| Potassium  | 39-2  | 504.71   | 493.69  | 477.49  | 491.97     | 2.78    | ppb   |
| Rhodium    | 103-1 |          |         |         | 99         |         | %     |
| Rhodium    | 103-2 |          |         |         | 101        |         | %     |
| Scandium   | 45-1  |          |         |         | 100        |         | %     |
| Scandium   | 45-2  |          |         |         | 103        |         | %     |
| Selenium   | 77-2  | 7.24     | 2.39    | 2.43    | 4.02       | 69.43   | ppb   |
| Selenium   | 78-2  | 1.93     | 6.24    | 6.81    | 5.00       | 53.38   | ppb   |
| Selenium   | 82-1  | 4.77     | 4.56    | 4.90    | 4.74       | 3.63    | ppb   |
| Silicon    | 28-1  | 5.93     | 7.17    | 6.62    | 6.57       | 9.47    | ppb   |
| Silver     | 109-1 | 1.08     | 0.86    | 1.10    | 1.01       | 13.55   | ppb   |
| Silver     | 107-1 | 1.00     | 1.12    | 1.00    | 1.04       | 6.42    | ppb   |
| Sodium     | 23-2  | 530.95   | 541.61  | 526.84  | 533.14     | 1.43    | ppb   |
| Strontium  | 86-1  | 0.79     | 1.06    | 0.92    | 0.92       | 14.88   | ppb   |
| Strontium  | 88-1  | 0.88     | 0.94    | 0.97    | 0.93       | 5.33    | ppb   |
| Sulfur     | 34-1  | -1146.47 | -976.52 | -878.80 | -1000.60   |         | ppb   |
| Terbium    | 159-1 |          |         |         | 109        |         | %     |
| Terbium    | 159-2 |          |         |         | 101        |         | %     |
| Thallium   | 203-1 | 0.91     | 0.78    | 0.69    | 0.80       | 13.97   | ppb   |
| Thallium   | 205-1 | 0.82     | 1.02    | 0.83    | 0.89       | 12.90   | ppb   |
| Thorium    | 232-1 | 0.84     | 0.87    | 0.85    | 0.85       | 1.39    | ppb   |
| Tin        | 118-1 | 4.94     | 4.92    | 4.75    | 4.87       | 2.11    | ppb   |
| Titanium   | 47-1  | 4.78     | 4.78    | 5.00    | 4.85       | 2.59    | ppb   |
| Uranium    | 238-1 | 0.83     | 0.82    | 0.89    | 0.85       | 4.31    | ppb   |
| Vanadium   | 51-2  | 5.23     | 5.26    | 5.30    | 5.26       | 0.68    | ppb   |
| Yttrium    | 89-1  |          |         |         | 110        |         | %     |
| Yttrium    | 89-2  |          |         |         | 102        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | LLCCV               | Instrumnet Name : | P7        |
| Client Sample ID :      | LLCCV               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:10:18 | DataFile Name :   | 017LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1.94    | 1.86    | 2.14    | 1.98       | 7.30    | ppb   |
| Zirconium | 90-1 | 0.92    | 0.83    | 0.94    | 0.89       | 6.18    | ppb   |
| Zirconium | 91-1 | 0.92    | 0.83    | 0.98    | 0.91       | 8.27    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB43 Instrumnet Name : P7  
 Client Sample ID : CCB43 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:13:53 DataFile Name : 018CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.52    | 0.18    | 0.18    | 0.29       | 67.40   | ppb   |
| Antimony   | 121-1 | 0.09    | 0.10    | 0.08    | 0.09       | 8.86    | ppb   |
| Arsenic    | 75-2  | -0.04   | -0.04   | 0.00    | -0.03      |         | ppb   |
| Barium     | 135-1 | -0.02   | -0.02   | 0.01    | -0.01      |         | ppb   |
| Barium     | 137-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Beryllium  | 9-1   | -0.04   | -0.04   | -0.03   | -0.04      |         | ppb   |
| Bismuth    | 209-1 |         |         |         | 104        |         | %     |
| Bismuth    | 209-2 |         |         |         | 102        |         | %     |
| Boron      | 10-1  | 6.68    | 4.51    | 5.54    | 5.58       | 19.47   | ppb   |
| Boron      | 11-1  | 5.82    | 4.34    | 5.80    | 5.32       | 16.02   | ppb   |
| Cadmium    | 111-1 | 0.01    | -0.18   | 0.14    | -0.01      |         | ppb   |
| Cadmium    | 106-1 | 0.07    | -2.17   | 1.77    | -0.11      |         | ppb   |
| Cadmium    | 108-1 | -0.06   | 0.10    | -0.06   | 0.00       |         | ppb   |
| Calcium    | 43-1  | 2.70    | 0.36    | -0.82   | 0.75       | 240.44  | ppb   |
| Calcium    | 44-1  | 0.91    | 1.49    | 1.42    | 1.27       | 25.07   | ppb   |
| Chromium   | 52-2  | 0.04    | 0.04    | 0.05    | 0.04       | 13.34   | ppb   |
| Cobalt     | 59-2  | -0.03   | -0.02   | -0.03   | -0.02      |         | ppb   |
| Copper     | 63-2  | 0.00    | 0.06    | -0.01   | 0.02       | 238.79  | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 109        |         | %     |
| Holmium    | 165-2 |         |         |         | 103        |         | %     |
| Indium     | 115-1 |         |         |         | 102        |         | %     |
| Indium     | 115-2 |         |         |         | 103        |         | %     |
| Iron       | 56-2  | 0.16    | 0.16    | 0.13    | 0.15       | 10.44   | ppb   |
| Iron       | 57-2  | -0.92   | 1.70    | 0.65    | 0.48       | 276.92  | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.03    | 0.06    | 0.07    | 0.05       | 35.13   | ppb   |
| Lead       | 207-1 | 0.03    | -0.01   | -0.01   | 0.00       | 855.62  | ppb   |
| Lead       | 208-1 | 0.03    | 0.03    | 0.03    | 0.03       | 12.22   | ppb   |
| Lithium    | 6-1   |         |         |         | 101        |         | %     |
| Magnesium  | 24-2  | 0.31    | 0.44    | 0.44    | 0.40       | 19.26   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB43               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB43               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:13:53 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | -0.04   | -0.05    | -0.03    | -0.04      |         | ppb   |
| Molybdenum | 94-1  | 0.02    | 0.11     | 0.01     | 0.05       | 120.06  | ppb   |
| Molybdenum | 95-1  | 0.06    | 0.04     | 0.06     | 0.05       | 21.51   | ppb   |
| Molybdenum | 96-1  | 0.02    | 0.03     | 0.06     | 0.04       | 56.91   | ppb   |
| Molybdenum | 97-1  | 0.04    | 0.02     | 0.03     | 0.03       | 30.34   | ppb   |
| Molybdenum | 98-1  | 0.08    | 0.01     | 0.03     | 0.04       | 84.20   | ppb   |
| Neodymium  | 150-1 |         |          |          |            |         | cps   |
| Neodymium  | 150-2 |         |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.02   | -0.06    | -0.08    | -0.05      |         | ppb   |
| Phosphorus | 31-2  | -29.38  | 12.82    | -23.54   | -13.37     |         | ppb   |
| Potassium  | 39-2  | 2.38    | 0.36     | 6.42     | 3.06       | 101.05  | ppb   |
| Rhodium    | 103-1 |         |          |          | 101        |         | %     |
| Rhodium    | 103-2 |         |          |          | 103        |         | %     |
| Scandium   | 45-1  |         |          |          | 102        |         | %     |
| Scandium   | 45-2  |         |          |          | 105        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.51   | -0.56    | -0.56    | -0.54      |         | ppb   |
| Selenium   | 82-1  | 0.33    | -0.47    | -0.21    | -0.11      |         | ppb   |
| Silicon    | 28-1  | -2.66   | -2.42    | -2.36    | -2.48      |         | ppb   |
| Silver     | 109-1 | 0.01    | 0.00     | 0.01     | 0.01       | 93.44   | ppb   |
| Silver     | 107-1 | 0.01    | 0.00     | 0.00     | 0.00       | 388.03  | ppb   |
| Sodium     | 23-2  | 24.05   | 23.45    | 19.15    | 22.22      | 12.02   | ppb   |
| Strontium  | 86-1  | -0.05   | 0.00     | 0.03     | -0.01      |         | ppb   |
| Strontium  | 88-1  | 0.00    | 0.00     | 0.00     | 0.00       |         | ppb   |
| Sulfur     | 34-1  | -907.90 | -1245.90 | -1121.06 | -1091.62   |         | ppb   |
| Terbium    | 159-1 |         |          |          | 110        |         | %     |
| Terbium    | 159-2 |         |          |          | 102        |         | %     |
| Thallium   | 203-1 | 0.03    | -0.01    | 0.00     | 0.01       | 260.74  | ppb   |
| Thallium   | 205-1 | 0.05    | 0.03     | 0.02     | 0.03       | 47.37   | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01     | 0.01     | 0.01       | 18.29   | ppb   |
| Tin        | 118-1 | 0.03    | 0.02     | 0.03     | 0.03       | 18.24   | ppb   |
| Titanium   | 47-1  | -0.03   | 0.02     | 0.04     | 0.01       | 521.48  | ppb   |
| Uranium    | 238-1 | -0.01   | -0.02    | -0.02    | -0.02      |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00     | 0.00     | 0.00       |         | ppb   |
| Yttrium    | 89-1  |         |          |          | 110        |         | %     |
| Yttrium    | 89-2  |         |          |          | 104        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB43               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB43               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:13:53 | DataFile Name :   | 018CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.04   | -0.21   | -0.04   | -0.10      |         | ppb   |
| Zirconium | 90-1 | 0.00    | 0.00    | 0.02    | 0.01       | 123.56  | ppb   |
| Zirconium | 91-1 | 0.02    | 0.06    | 0.03    | 0.04       | 49.48   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:17:29 | DataFile Name :   | 019LLCC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 18.19   | 20.05   | 21.18   | 19.81      | 7.63    | ppb   |
| Antimony   | 121-1 | 2.02    | 1.89    | 1.85    | 1.92       | 4.67    | ppb   |
| Arsenic    | 75-2  | 0.78    | 0.96    | 0.92    | 0.89       | 11.05   | ppb   |
| Barium     | 135-1 | 10.09   | 10.01   | 9.84    | 9.98       | 1.28    | ppb   |
| Barium     | 137-1 | 10.18   | 10.59   | 10.06   | 10.28      | 2.69    | ppb   |
| Beryllium  | 9-1   | 0.93    | 0.95    | 1.07    | 0.98       | 7.26    | ppb   |
| Bismuth    | 209-1 |         |         |         | 102        |         | %     |
| Bismuth    | 209-2 |         |         |         | 101        |         | %     |
| Boron      | 10-1  | 24.21   | 28.25   | 25.95   | 26.14      | 7.74    | ppb   |
| Boron      | 11-1  | 25.96   | 26.66   | 27.71   | 26.78      | 3.27    | ppb   |
| Cadmium    | 111-1 | 0.83    | 0.61    | 1.12    | 0.86       | 29.67   | ppb   |
| Cadmium    | 106-1 | -1.75   | -0.73   | 2.36    | -0.04      |         | ppb   |
| Cadmium    | 108-1 | 0.58    | 0.42    | 0.73    | 0.58       | 26.89   | ppb   |
| Calcium    | 43-1  | 472.43  | 492.06  | 507.98  | 490.82     | 3.63    | ppb   |
| Calcium    | 44-1  | 475.06  | 488.79  | 486.83  | 483.56     | 1.54    | ppb   |
| Chromium   | 52-2  | 1.94    | 1.83    | 1.86    | 1.88       | 2.95    | ppb   |
| Cobalt     | 59-2  | 0.96    | 0.90    | 0.98    | 0.95       | 4.08    | ppb   |
| Copper     | 63-2  | 1.79    | 2.10    | 1.87    | 1.92       | 8.43    | 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 |         |         |         | 107        |         | %     |
| Holmium    | 165-2 |         |         |         | 102        |         | %     |
| Indium     | 115-1 |         |         |         | 101        |         | %     |
| Indium     | 115-2 |         |         |         | 102        |         | %     |
| Iron       | 56-2  | 54.37   | 53.92   | 54.80   | 54.36      | 0.81    | ppb   |
| Iron       | 57-2  | 50.10   | 56.08   | 60.19   | 55.46      | 9.14    | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.96    | 0.92    | 0.87    | 0.92       | 5.38    | ppb   |
| Lead       | 207-1 | 0.92    | 0.97    | 0.93    | 0.94       | 2.77    | ppb   |
| Lead       | 208-1 | 0.95    | 0.93    | 0.92    | 0.93       | 1.44    | ppb   |
| Lithium    | 6-1   |         |         |         | 100        |         | %     |
| Magnesium  | 24-2  | 539.44  | 515.07  | 538.17  | 530.89     | 2.58    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:17:29 | DataFile Name :   | 019LLCC.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 1.06    | 1.11    | 1.21    | 1.13       | 6.53    | ppb   |
| Molybdenum | 94-1  | 4.70    | 4.33    | 4.54    | 4.53       | 4.11    | ppb   |
| Molybdenum | 95-1  | 4.73    | 4.39    | 4.77    | 4.63       | 4.43    | ppb   |
| Molybdenum | 96-1  | 4.69    | 4.90    | 4.62    | 4.74       | 3.03    | ppb   |
| Molybdenum | 97-1  | 4.86    | 4.88    | 4.46    | 4.73       | 4.98    | ppb   |
| Molybdenum | 98-1  | 4.63    | 4.74    | 4.59    | 4.65       | 1.67    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.99    | 0.91    | 0.91    | 0.94       | 4.67    | ppb   |
| Phosphorus | 31-2  | 0.84    | 36.70   | 6.91    | 14.82      | 129.55  | ppb   |
| Potassium  | 39-2  | 490.96  | 494.84  | 495.11  | 493.64     | 0.47    | ppb   |
| Rhodium    | 103-1 |         |         |         | 99         |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 102        |         | %     |
| Scandium   | 45-2  |         |         |         | 106        |         | %     |
| Selenium   | 77-2  | 7.10    | 4.69    | 4.70    | 5.50       | 25.25   | ppb   |
| Selenium   | 78-2  | 5.75    | 3.33    | 4.50    | 4.52       | 26.78   | ppb   |
| Selenium   | 82-1  | 5.44    | 5.16    | 4.60    | 5.07       | 8.48    | ppb   |
| Silicon    | 28-1  | 5.79    | 6.46    | 5.03    | 5.76       | 12.43   | ppb   |
| Silver     | 109-1 | 1.12    | 1.09    | 1.03    | 1.08       | 4.39    | ppb   |
| Silver     | 107-1 | 1.16    | 1.20    | 1.00    | 1.12       | 9.60    | ppb   |
| Sodium     | 23-2  | 523.05  | 523.51  | 526.65  | 524.40     | 0.37    | ppb   |
| Strontium  | 86-1  | 0.86    | 0.81    | 0.78    | 0.82       | 5.27    | ppb   |
| Strontium  | 88-1  | 0.98    | 1.00    | 0.90    | 0.96       | 5.38    | ppb   |
| Sulfur     | 34-1  | -853.20 | -840.63 | -705.88 | -799.90    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 108        |         | %     |
| Terbium    | 159-2 |         |         |         | 102        |         | %     |
| Thallium   | 203-1 | 0.85    | 0.91    | 0.93    | 0.89       | 4.84    | ppb   |
| Thallium   | 205-1 | 0.88    | 0.91    | 0.92    | 0.90       | 2.05    | ppb   |
| Thorium    | 232-1 | 0.81    | 0.80    | 0.84    | 0.82       | 2.39    | ppb   |
| Tin        | 118-1 | 4.96    | 5.14    | 5.02    | 5.04       | 1.77    | ppb   |
| Titanium   | 47-1  | 4.91    | 4.65    | 5.22    | 4.93       | 5.79    | ppb   |
| Uranium    | 238-1 | 0.81    | 0.83    | 0.81    | 0.82       | 1.79    | ppb   |
| Vanadium   | 51-2  | 5.03    | 5.16    | 5.08    | 5.09       | 1.24    | ppb   |
| Yttrium    | 89-1  |         |         |         | 110        |         | %     |
| Yttrium    | 89-2  |         |         |         | 104        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:17:29 | DataFile Name :   | 019LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.19    | 1.45    | 1.63    | 1.76       | 21.99   | ppb   |
| Zirconium | 90-1 | 0.86    | 0.88    | 0.94    | 0.89       | 4.89    | ppb   |
| Zirconium | 91-1 | 0.78    | 1.04    | 0.85    | 0.89       | 15.11   | ppb   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:21:06 DataFile Name : 020SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1.59     | 1.56     | 1.24     | 1.46       | 13.18   | ppb   |
| Antimony   | 121-1 | 1.03     | 1.06     | 1.11     | 1.07       | 3.75    | ppb   |
| Arsenic    | 75-2  | 2.27     | 2.73     | 2.37     | 2.46       | 9.80    | ppb   |
| Barium     | 135-1 | 75.08    | 73.64    | 73.82    | 74.18      | 1.06    | ppb   |
| Barium     | 137-1 | 75.69    | 76.20    | 74.30    | 75.40      | 1.30    | ppb   |
| Beryllium  | 9-1   | -0.03    | -0.03    | -0.02    | -0.03      |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 105        |         | %     |
| Bismuth    | 209-2 |          |          |          | 97         |         | %     |
| Boron      | 10-1  | 126.71   | 132.07   | 125.23   | 128.00     | 2.81    | ppb   |
| Boron      | 11-1  | 131.11   | 134.08   | 136.34   | 133.84     | 1.96    | ppb   |
| Cadmium    | 111-1 | 0.29     | 0.64     | 0.58     | 0.50       | 37.60   | ppb   |
| Cadmium    | 106-1 | -2.93    | 0.37     | -1.62    | -1.39      |         | ppb   |
| Cadmium    | 108-1 | 0.25     | 0.25     | 0.55     | 0.35       | 49.49   | ppb   |
| Calcium    | 43-1  | 91806.74 | 94127.46 | 93175.38 | 93036.53   | 1.25    | ppb   |
| Calcium    | 44-1  | 91247.24 | 94455.71 | 94609.06 | 93437.33   | 2.03    | ppb   |
| Chromium   | 52-2  | 2.02     | 2.06     | 1.92     | 2.00       | 3.62    | ppb   |
| Cobalt     | 59-2  | 0.17     | 0.11     | 0.12     | 0.13       | 24.65   | ppb   |
| Copper     | 63-2  | 3.84     | 3.97     | 3.95     | 3.92       | 1.80    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 112        |         | %     |
| Holmium    | 165-2 |          |          |          | 100        |         | %     |
| Indium     | 115-1 |          |          |          | 102        |         | %     |
| Indium     | 115-2 |          |          |          | 98         |         | %     |
| Iron       | 56-2  | 12.83    | 12.43    | 12.06    | 12.44      | 3.10    | ppb   |
| Iron       | 57-2  | 381.15   | 396.43   | 406.75   | 394.77     | 3.26    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 1.44     | 1.58     | 1.67     | 1.57       | 7.61    | ppb   |
| Lead       | 207-1 | 1.41     | 1.39     | 1.37     | 1.39       | 1.65    | ppb   |
| Lead       | 208-1 | 1.47     | 1.47     | 1.57     | 1.50       | 3.87    | ppb   |
| Lithium    | 6-1   |          |          |          | 121        |         | %     |
| Magnesium  | 24-2  | 10133.04 | 10114.35 | 9947.19  | 10064.86   | 1.02    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:21:06 DataFile Name : 020SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 17.41    | 17.33    | 17.20    | 17.31      | 0.61    | ppb   |
| Molybdenum | 94-1  | 0.82     | 0.72     | 0.96     | 0.84       | 14.27   | ppb   |
| Molybdenum | 95-1  | 0.99     | 0.71     | 1.01     | 0.90       | 18.73   | ppb   |
| Molybdenum | 96-1  | 1.00     | 0.82     | 0.60     | 0.81       | 24.45   | ppb   |
| Molybdenum | 97-1  | 0.93     | 1.06     | 1.16     | 1.05       | 10.73   | ppb   |
| Molybdenum | 98-1  | 0.88     | 0.83     | 0.94     | 0.88       | 6.46    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.97     | 1.21     | 1.28     | 1.15       | 14.31   | ppb   |
| Phosphorus | 31-2  | 71.87    | -10.39   | 27.75    | 29.74      | 138.42  | ppb   |
| Potassium  | 39-2  | 3716.75  | 3697.25  | 3703.14  | 3705.72    | 0.27    | ppb   |
| Rhodium    | 103-1 |          |          |          | 97         |         | %     |
| Rhodium    | 103-2 |          |          |          | 98         |         | %     |
| Scandium   | 45-1  |          |          |          | 99         |         | %     |
| Scandium   | 45-2  |          |          |          | 103        |         | %     |
| Selenium   | 77-2  | 2.47     | 0.00     | 4.89     | 2.45       | 99.71   | ppb   |
| Selenium   | 78-2  | 0.03     | 0.39     | -1.23    | -0.27      |         | ppb   |
| Selenium   | 82-1  | 1.34     | 0.68     | 1.14     | 1.05       | 32.38   | ppb   |
| Silicon    | 28-1  | 7301.48  | 7451.60  | 7468.41  | 7407.16    | 1.24    | ppb   |
| Silver     | 109-1 | 0.87     | 1.12     | 0.97     | 0.99       | 12.36   | ppb   |
| Silver     | 107-1 | 0.94     | 1.11     | 0.97     | 1.01       | 8.96    | ppb   |
| Sodium     | 23-2  | 27956.46 | 27552.98 | 27887.55 | 27799.00   | 0.78    | ppb   |
| Strontium  | 86-1  | 465.45   | 468.11   | 463.39   | 465.65     | 0.51    | ppb   |
| Strontium  | 88-1  | 467.09   | 475.19   | 474.29   | 472.19     | 0.94    | ppb   |
| Sulfur     | 34-1  | 9611.78  | 9584.48  | 9361.43  | 9519.23    | 1.44    | ppb   |
| Terbium    | 159-1 |          |          |          | 112        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 0.84     | 0.58     | 0.55     | 0.66       | 24.31   | ppb   |
| Thallium   | 205-1 | 0.75     | 0.80     | 0.60     | 0.72       | 14.65   | ppb   |
| Thorium    | 232-1 | 0.02     | 0.02     | 0.01     | 0.02       | 11.50   | ppb   |
| Tin        | 118-1 | 2.59     | 3.02     | 2.85     | 2.82       | 7.58    | ppb   |
| Titanium   | 47-1  | 0.82     | 0.42     | 0.73     | 0.65       | 32.40   | ppb   |
| Uranium    | 238-1 | 0.81     | 0.79     | 0.82     | 0.81       | 2.14    | ppb   |
| Vanadium   | 51-2  | 2.75     | 2.82     | 2.63     | 2.73       | 3.48    | ppb   |
| Yttrium    | 89-1  |          |          |          | 110        |         | %     |
| Yttrium    | 89-2  |          |          |          | 100        |         | %     |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:21:06  | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 9.79    | 10.85   | 9.78    | 10.14      | 6.04    | ppb   |
| Zirconium | 90-1 | 0.04    | 0.05    | 0.08    | 0.06       | 40.65   | ppb   |
| Zirconium | 91-1 | 0.07    | 0.01    | 0.05    | 0.04       | 74.70   | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:24:42  | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 1.30     | 1.31     | 1.70     | 1.43       | 15.92   | ppb   |
| Antimony   | 121-1 | 1.13     | 1.26     | 1.26     | 1.22       | 6.29    | ppb   |
| Arsenic    | 75-2  | 2.21     | 2.10     | 2.54     | 2.28       | 10.09   | ppb   |
| Barium     | 135-1 | 73.64    | 73.33    | 73.68    | 73.55      | 0.26    | ppb   |
| Barium     | 137-1 | 76.80    | 73.79    | 74.31    | 74.97      | 2.15    | ppb   |
| Beryllium  | 9-1   | -0.02    | -0.03    | -0.01    | -0.02      |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 104        |         | %     |
| Bismuth    | 209-2 |          |          |          | 95         |         | %     |
| Boron      | 10-1  | 129.62   | 131.35   | 129.25   | 130.08     | 0.86    | ppb   |
| Boron      | 11-1  | 133.55   | 142.31   | 142.13   | 139.33     | 3.59    | ppb   |
| Cadmium    | 111-1 | 0.31     | 0.10     | -0.01    | 0.13       | 119.75  | ppb   |
| Cadmium    | 106-1 | 1.63     | -1.39    | -1.21    | -0.32      |         | ppb   |
| Cadmium    | 108-1 | 0.40     | 0.10     | 0.55     | 0.35       | 66.60   | ppb   |
| Calcium    | 43-1  | 93437.84 | 94131.45 | 94326.11 | 93965.14   | 0.50    | ppb   |
| Calcium    | 44-1  | 92845.25 | 95396.95 | 95038.00 | 94426.73   | 1.46    | ppb   |
| Chromium   | 52-2  | 1.45     | 1.51     | 1.52     | 1.49       | 2.37    | ppb   |
| Cobalt     | 59-2  | 0.11     | 0.16     | 0.17     | 0.14       | 20.25   | ppb   |
| Copper     | 63-2  | 3.18     | 3.23     | 3.24     | 3.22       | 0.90    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 113        |         | %     |
| Holmium    | 165-2 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 102        |         | %     |
| Indium     | 115-2 |          |          |          | 95         |         | %     |
| Iron       | 56-2  | 11.79    | 11.54    | 12.07    | 11.80      | 2.25    | ppb   |
| Iron       | 57-2  | 371.97   | 411.92   | 382.20   | 388.70     | 5.34    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 1.01     | 1.06     | 0.94     | 1.00       | 6.32    | ppb   |
| Lead       | 207-1 | 1.12     | 1.09     | 0.99     | 1.06       | 6.07    | ppb   |
| Lead       | 208-1 | 1.00     | 1.04     | 0.92     | 0.99       | 5.85    | ppb   |
| Lithium    | 6-1   |          |          |          | 114        |         | %     |
| Magnesium  | 24-2  | 9907.60  | 10058.09 | 9967.82  | 9977.84    | 0.76    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01DUP Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:24:42 DataFile Name : 021SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 16.84    | 16.94    | 17.37    | 17.05      | 1.68    | ppb   |
| Molybdenum | 94-1  | 0.86     | 0.66     | 0.72     | 0.74       | 13.62   | ppb   |
| Molybdenum | 95-1  | 0.93     | 0.92     | 0.99     | 0.95       | 3.91    | ppb   |
| Molybdenum | 96-1  | 0.90     | 0.86     | 0.86     | 0.87       | 2.57    | ppb   |
| Molybdenum | 97-1  | 0.84     | 0.81     | 1.06     | 0.90       | 15.08   | ppb   |
| Molybdenum | 98-1  | 0.89     | 0.94     | 0.92     | 0.92       | 2.45    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 1.73     | 1.61     | 1.25     | 1.53       | 16.60   | ppb   |
| Phosphorus | 31-2  | 87.94    | 30.54    | -0.99    | 39.16      | 115.13  | ppb   |
| Potassium  | 39-2  | 3679.13  | 3727.27  | 3734.96  | 3713.79    | 0.81    | ppb   |
| Rhodium    | 103-1 |          |          |          | 97         |         | %     |
| Rhodium    | 103-2 |          |          |          | 96         |         | %     |
| Scandium   | 45-1  |          |          |          | 96         |         | %     |
| Scandium   | 45-2  |          |          |          | 99         |         | %     |
| Selenium   | 77-2  | 5.07     | 0.00     | 7.60     | 4.22       | 91.62   | ppb   |
| Selenium   | 78-2  | -0.28    | -1.17    | -0.29    | -0.58      |         | ppb   |
| Selenium   | 82-1  | 0.61     | 0.75     | -0.31    | 0.35       | 164.62  | ppb   |
| Silicon    | 28-1  | 7250.82  | 7485.50  | 7476.77  | 7404.36    | 1.80    | ppb   |
| Silver     | 109-1 | 0.35     | 0.23     | 0.25     | 0.28       | 22.36   | ppb   |
| Silver     | 107-1 | 0.29     | 0.32     | 0.39     | 0.34       | 15.83   | ppb   |
| Sodium     | 23-2  | 27460.13 | 27835.22 | 27969.51 | 27754.95   | 0.95    | ppb   |
| Strontium  | 86-1  | 460.50   | 461.13   | 462.64   | 461.42     | 0.24    | ppb   |
| Strontium  | 88-1  | 467.00   | 475.46   | 473.85   | 472.10     | 0.95    | ppb   |
| Sulfur     | 34-1  | 9916.41  | 9987.25  | 9718.41  | 9874.02    | 1.41    | ppb   |
| Terbium    | 159-1 |          |          |          | 113        |         | %     |
| Terbium    | 159-2 |          |          |          | 97         |         | %     |
| Thallium   | 203-1 | 0.10     | 0.09     | 0.06     | 0.08       | 22.19   | ppb   |
| Thallium   | 205-1 | 0.05     | 0.06     | 0.05     | 0.05       | 2.82    | ppb   |
| Thorium    | 232-1 | 0.01     | 0.01     | 0.01     | 0.01       | 20.89   | ppb   |
| Tin        | 118-1 | 1.75     | 1.65     | 1.45     | 1.62       | 9.39    | ppb   |
| Titanium   | 47-1  | 0.50     | 0.46     | 0.64     | 0.53       | 18.41   | ppb   |
| Uranium    | 238-1 | 0.79     | 0.80     | 0.84     | 0.81       | 2.92    | ppb   |
| Vanadium   | 51-2  | 3.05     | 2.85     | 2.98     | 2.96       | 3.46    | ppb   |
| Yttrium    | 89-1  |          |          |          | 110        |         | %     |
| Yttrium    | 89-2  |          |          |          | 97         |         | %     |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:24:42  | DataFile Name :   | 021SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 9.27    | 10.19   | 9.28    | 9.58       | 5.52    | ppb   |
| Zirconium | 90-1 | 0.05    | 0.06    | 0.04    | 0.05       | 26.40   | ppb   |
| Zirconium | 91-1 | 0.03    | 0.00    | 0.01    | 0.01       | 148.51  | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01LX5 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 5  
 Date & Time Acquired :: 2019-07-23 14:28:18 DataFile Name : 022SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 0.22     | 0.22     | 0.19     | 0.21       | 7.29    | ppb   |
| Antimony   | 121-1 | 0.25     | 0.28     | 0.24     | 0.26       | 8.93    | ppb   |
| Arsenic    | 75-2  | 0.59     | 0.32     | 0.39     | 0.43       | 32.76   | ppb   |
| Barium     | 135-1 | 16.63    | 15.53    | 15.89    | 16.02      | 3.51    | ppb   |
| Barium     | 137-1 | 15.56    | 15.66    | 15.94    | 15.72      | 1.26    | ppb   |
| Beryllium  | 9-1   | 0.00     | -0.03    | -0.03    | -0.02      |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 104        |         | %     |
| Bismuth    | 209-2 |          |          |          | 103        |         | %     |
| Boron      | 10-1  | 42.87    | 38.98    | 40.21    | 40.69      | 4.88    | ppb   |
| Boron      | 11-1  | 42.94    | 44.00    | 42.12    | 43.02      | 2.20    | ppb   |
| Cadmium    | 111-1 | -0.19    | -0.32    | -0.06    | -0.19      |         | ppb   |
| Cadmium    | 106-1 | -2.47    | -4.15    | -1.10    | -2.57      |         | ppb   |
| Cadmium    | 108-1 | -0.06    | 0.25     | 0.10     | 0.10       | 157.47  | ppb   |
| Calcium    | 43-1  | 20127.44 | 19997.80 | 19817.81 | 19981.02   | 0.78    | ppb   |
| Calcium    | 44-1  | 19514.08 | 19967.38 | 19985.84 | 19822.43   | 1.35    | ppb   |
| Chromium   | 52-2  | 0.22     | 0.26     | 0.26     | 0.24       | 10.33   | ppb   |
| Cobalt     | 59-2  | 0.01     | 0.01     | 0.00     | 0.01       | 45.19   | ppb   |
| Copper     | 63-2  | 1.03     | 1.05     | 0.85     | 0.97       | 11.59   | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 110        |         | %     |
| Holmium    | 165-2 |          |          |          | 103        |         | %     |
| Indium     | 115-1 |          |          |          | 99         |         | %     |
| Indium     | 115-2 |          |          |          | 101        |         | %     |
| Iron       | 56-2  | 2.34     | 2.66     | 2.19     | 2.40       | 10.21   | ppb   |
| Iron       | 57-2  | 93.96    | 74.55    | 80.41    | 82.98      | 11.99   | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.53     | 0.39     | 0.38     | 0.43       | 18.99   | ppb   |
| Lead       | 207-1 | 0.34     | 0.46     | 0.27     | 0.36       | 26.30   | ppb   |
| Lead       | 208-1 | 0.45     | 0.41     | 0.37     | 0.41       | 9.25    | ppb   |
| Lithium    | 6-1   |          |          |          | 96         |         | %     |
| Magnesium  | 24-2  | 2013.52  | 2051.41  | 1985.68  | 2016.87    | 1.64    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01LX5 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 5  
 Date & Time Acquired :: 2019-07-23 14:28:18 DataFile Name : 022SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 3.38    | 3.42    | 3.30    | 3.37       | 1.77    | ppb   |
| Molybdenum | 94-1  | 0.11    | 0.17    | 0.23    | 0.17       | 36.39   | ppb   |
| Molybdenum | 95-1  | 0.23    | 0.08    | 0.20    | 0.17       | 45.93   | ppb   |
| Molybdenum | 96-1  | 0.16    | 0.18    | 0.20    | 0.18       | 10.11   | ppb   |
| Molybdenum | 97-1  | 0.34    | 0.24    | 0.23    | 0.27       | 21.88   | ppb   |
| Molybdenum | 98-1  | 0.16    | 0.22    | 0.17    | 0.18       | 16.55   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.24    | 0.32    | 0.32    | 0.29       | 15.77   | ppb   |
| Phosphorus | 31-2  | -3.27   | -34.65  | -35.36  | -24.43     |         | ppb   |
| Potassium  | 39-2  | 735.84  | 739.72  | 690.34  | 721.97     | 3.80    | ppb   |
| Rhodium    | 103-1 |         |         |         | 96         |         | %     |
| Rhodium    | 103-2 |         |         |         | 102        |         | %     |
| Scandium   | 45-1  |         |         |         | 93         |         | %     |
| Scandium   | 45-2  |         |         |         | 102        |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.47   | -0.44   | -1.32   | -0.74      |         | ppb   |
| Selenium   | 82-1  | -0.87   | 0.76    | 0.71    | 0.20       | 462.20  | ppb   |
| Silicon    | 28-1  | 1527.40 | 1560.68 | 1559.23 | 1549.10    | 1.21    | ppb   |
| Silver     | 109-1 | 0.05    | 0.07    | 0.10    | 0.07       | 39.27   | ppb   |
| Silver     | 107-1 | 0.09    | 0.07    | 0.11    | 0.09       | 21.51   | ppb   |
| Sodium     | 23-2  | 5420.78 | 5594.63 | 5424.43 | 5479.95    | 1.81    | ppb   |
| Strontium  | 86-1  | 97.55   | 99.35   | 97.60   | 98.17      | 1.05    | ppb   |
| Strontium  | 88-1  | 98.46   | 97.06   | 97.36   | 97.63      | 0.76    | ppb   |
| Sulfur     | 34-1  | 1732.27 | 1897.81 | 1773.69 | 1801.26    | 4.78    | ppb   |
| Terbium    | 159-1 |         |         |         | 110        |         | %     |
| Terbium    | 159-2 |         |         |         | 102        |         | %     |
| Thallium   | 203-1 | 0.01    | 0.00    | 0.00    | 0.00       | 192.46  | ppb   |
| Thallium   | 205-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Thorium    | 232-1 | 0.01    | 0.00    | 0.01    | 0.01       | 41.35   | ppb   |
| Tin        | 118-1 | 0.34    | 0.28    | 0.35    | 0.32       | 11.12   | ppb   |
| Titanium   | 47-1  | 0.30    | 0.28    | 0.16    | 0.25       | 29.31   | ppb   |
| Uranium    | 238-1 | 0.12    | 0.14    | 0.15    | 0.14       | 11.10   | ppb   |
| Vanadium   | 51-2  | 0.68    | 0.52    | 0.55    | 0.58       | 15.04   | ppb   |
| Yttrium    | 89-1  |         |         |         | 107        |         | %     |
| Yttrium    | 89-2  |         |         |         | 102        |         | %     |



|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 14:28:18  | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.24    | 1.68    | 1.75    | 1.89       | 16.33   | ppb   |
| Zirconium | 90-1 | 0.00    | 0.01    | 0.01    | 0.00       | 155.93  | ppb   |
| Zirconium | 91-1 | -0.02   | 0.00    | -0.02   | -0.01      |         | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-02 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:31:55 DataFile Name : 023SMPL.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 9647.43   | 9869.01   | 10051.71  | 9856.05    | 2.05    | ppb   |
| Antimony   | 121-1 | 480.86    | 478.10    | 465.40    | 474.79     | 1.74    | ppb   |
| Arsenic    | 75-2  | 521.05    | 526.80    | 521.95    | 523.27     | 0.59    | ppb   |
| Barium     | 135-1 | 2490.08   | 2489.85   | 2431.94   | 2470.63    | 1.36    | ppb   |
| Barium     | 137-1 | 2484.56   | 2496.07   | 2450.23   | 2476.95    | 0.96    | ppb   |
| Beryllium  | 9-1   | 397.02    | 397.49    | 392.85    | 395.79     | 0.64    | ppb   |
| Bismuth    | 209-1 |           |           |           | 102        |         | %     |
| Bismuth    | 209-2 |           |           |           | 92         |         | %     |
| Boron      | 10-1  | 507.34    | 507.91    | 505.51    | 506.92     | 0.25    | ppb   |
| Boron      | 11-1  | 520.83    | 534.58    | 540.91    | 532.11     | 1.93    | ppb   |
| Cadmium    | 111-1 | 446.35    | 448.18    | 438.71    | 444.41     | 1.13    | ppb   |
| Cadmium    | 106-1 | 424.64    | 418.16    | 426.26    | 423.02     | 1.01    | ppb   |
| Cadmium    | 108-1 | 456.66    | 429.76    | 419.35    | 435.26     | 4.42    | ppb   |
| Calcium    | 43-1  | 139237.88 | 142289.27 | 139810.15 | 140445.77  | 1.15    | ppb   |
| Calcium    | 44-1  | 139656.39 | 142045.96 | 139544.25 | 140415.53  | 1.01    | ppb   |
| Chromium   | 52-2  | 493.59    | 490.65    | 501.17    | 495.13     | 1.10    | ppb   |
| Cobalt     | 59-2  | 491.92    | 495.45    | 504.10    | 497.16     | 1.26    | ppb   |
| Copper     | 63-2  | 929.98    | 935.65    | 954.44    | 940.02     | 1.36    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 113        |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 98         |         | %     |
| Indium     | 115-2 |           |           |           | 90         |         | %     |
| Iron       | 56-2  | 25009.94  | 24920.67  | 25332.86  | 25087.82   | 0.86    | ppb   |
| Iron       | 57-2  | 25479.57  | 25862.68  | 26261.10  | 25867.78   | 1.51    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 480.54    | 476.66    | 461.21    | 472.80     | 2.16    | ppb   |
| Lead       | 207-1 | 492.67    | 495.74    | 479.39    | 489.26     | 1.78    | ppb   |
| Lead       | 208-1 | 486.02    | 490.05    | 473.80    | 483.29     | 1.75    | ppb   |
| Lithium    | 6-1   |           |           |           | 107        |         | %     |
| Magnesium  | 24-2  | 60009.36  | 59848.58  | 61121.14  | 60326.36   | 1.15    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-02 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:31:55 DataFile Name : 023SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1004.02  | 1009.16  | 1023.08  | 1012.09    | 0.97    | ppb   |
| Molybdenum | 94-1  | 2235.87  | 2254.55  | 2228.98  | 2239.80    | 0.59    | ppb   |
| Molybdenum | 95-1  | 2250.42  | 2264.47  | 2238.05  | 2250.98    | 0.59    | ppb   |
| Molybdenum | 96-1  | 2230.23  | 2235.08  | 2218.20  | 2227.84    | 0.39    | ppb   |
| Molybdenum | 97-1  | 2184.05  | 2164.47  | 2126.75  | 2158.42    | 1.35    | ppb   |
| Molybdenum | 98-1  | 2231.73  | 2239.50  | 2205.77  | 2225.67    | 0.79    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 492.65   | 504.28   | 513.50   | 503.48     | 2.08    | ppb   |
| Phosphorus | 31-2  | 31.77    | 24.82    | 53.80    | 36.80      | 41.10   | ppb   |
| Potassium  | 39-2  | 27538.86 | 27443.89 | 27879.66 | 27620.80   | 0.83    | ppb   |
| Rhodium    | 103-1 |          |          |          | 92         |         | %     |
| Rhodium    | 103-2 |          |          |          | 93         |         | %     |
| Scandium   | 45-1  |          |          |          | 94         |         | %     |
| Scandium   | 45-2  |          |          |          | 97         |         | %     |
| Selenium   | 77-2  | 487.86   | 479.00   | 552.19   | 506.35     | 7.89    | ppb   |
| Selenium   | 78-2  | 480.14   | 525.33   | 489.32   | 498.26     | 4.79    | ppb   |
| Selenium   | 82-1  | 471.73   | 465.05   | 466.12   | 467.63     | 0.77    | ppb   |
| Silicon    | 28-1  | 7526.02  | 7592.94  | 7526.90  | 7548.62    | 0.51    | ppb   |
| Silver     | 109-1 | 441.99   | 443.36   | 430.98   | 438.78     | 1.55    | ppb   |
| Silver     | 107-1 | 446.32   | 440.36   | 427.71   | 438.13     | 2.17    | ppb   |
| Sodium     | 23-2  | 76289.30 | 76820.79 | 77893.06 | 77001.05   | 1.06    | ppb   |
| Strontium  | 86-1  | 894.18   | 902.36   | 881.31   | 892.62     | 1.19    | ppb   |
| Strontium  | 88-1  | 903.08   | 909.53   | 895.51   | 902.71     | 0.78    | ppb   |
| Sulfur     | 34-1  | 9127.48  | 9185.64  | 8824.11  | 9045.74    | 2.15    | ppb   |
| Terbium    | 159-1 |          |          |          | 113        |         | %     |
| Terbium    | 159-2 |          |          |          | 97         |         | %     |
| Thallium   | 203-1 | 468.92   | 466.18   | 456.06   | 463.72     | 1.46    | ppb   |
| Thallium   | 205-1 | 470.17   | 474.09   | 464.36   | 469.54     | 1.04    | ppb   |
| Thorium    | 232-1 | 0.05     | 0.07     | 0.05     | 0.06       | 17.59   | ppb   |
| Tin        | 118-1 | 468.12   | 468.32   | 455.53   | 463.99     | 1.58    | ppb   |
| Titanium   | 47-1  | 2359.06  | 2387.02  | 2324.99  | 2357.02    | 1.32    | ppb   |
| Uranium    | 238-1 | 462.64   | 474.49   | 454.98   | 464.04     | 2.12    | ppb   |
| Vanadium   | 51-2  | 492.82   | 494.97   | 501.15   | 496.31     | 0.87    | ppb   |
| Yttrium    | 89-1  |          |          |          | 108        |         | %     |
| Yttrium    | 89-2  |          |          |          | 96         |         | %     |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-02             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:31:55  | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 848.38  | 863.63  | 867.41  | 859.81     | 1.17    | ppb   |
| Zirconium | 90-1 | 439.46  | 433.34  | 445.67  | 439.49     | 1.40    | ppb   |
| Zirconium | 91-1 | 451.48  | 444.49  | 438.22  | 444.73     | 1.49    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-03 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:35:32 DataFile Name : 024SMPL.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 9773.60   | 9686.29   | 9786.99   | 9748.96    | 0.56    | ppb   |
| Antimony   | 121-1 | 457.53    | 466.68    | 479.21    | 467.81     | 2.33    | ppb   |
| Arsenic    | 75-2  | 526.01    | 517.93    | 545.55    | 529.83     | 2.68    | ppb   |
| Barium     | 135-1 | 2361.91   | 2444.34   | 2485.76   | 2430.67    | 2.59    | ppb   |
| Barium     | 137-1 | 2357.44   | 2451.72   | 2517.79   | 2442.32    | 3.30    | ppb   |
| Beryllium  | 9-1   | 391.81    | 404.50    | 413.11    | 403.14     | 2.66    | ppb   |
| Bismuth    | 209-1 |           |           |           | 106        |         | %     |
| Bismuth    | 209-2 |           |           |           | 95         |         | %     |
| Boron      | 10-1  | 516.55    | 542.90    | 551.52    | 536.99     | 3.39    | ppb   |
| Boron      | 11-1  | 540.37    | 556.11    | 583.12    | 559.87     | 3.86    | ppb   |
| Cadmium    | 111-1 | 430.79    | 432.26    | 443.11    | 435.39     | 1.54    | ppb   |
| Cadmium    | 106-1 | 430.34    | 424.51    | 446.21    | 433.69     | 2.59    | ppb   |
| Cadmium    | 108-1 | 413.72    | 439.50    | 428.18    | 427.14     | 3.03    | ppb   |
| Calcium    | 43-1  | 134208.87 | 138113.12 | 142701.09 | 138341.03  | 3.07    | ppb   |
| Calcium    | 44-1  | 133387.41 | 139449.27 | 143350.33 | 138729.00  | 3.62    | ppb   |
| Chromium   | 52-2  | 495.71    | 498.40    | 496.48    | 496.86     | 0.28    | ppb   |
| Cobalt     | 59-2  | 501.15    | 497.26    | 498.00    | 498.80     | 0.41    | ppb   |
| Copper     | 63-2  | 945.22    | 942.05    | 941.21    | 942.83     | 0.22    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 119        |         | %     |
| Holmium    | 165-2 |           |           |           | 101        |         | %     |
| Indium     | 115-1 |           |           |           | 102        |         | %     |
| Indium     | 115-2 |           |           |           | 93         |         | %     |
| Iron       | 56-2  | 25134.52  | 24807.05  | 24775.15  | 24905.58   | 0.80    | ppb   |
| Iron       | 57-2  | 25760.00  | 25927.83  | 25886.89  | 25858.24   | 0.34    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 462.02    | 478.34    | 487.70    | 476.02     | 2.73    | ppb   |
| Lead       | 207-1 | 474.92    | 490.42    | 504.39    | 489.91     | 3.01    | ppb   |
| Lead       | 208-1 | 467.50    | 488.30    | 501.46    | 485.75     | 3.52    | ppb   |
| Lithium    | 6-1   |           |           |           | 107        |         | %     |
| Magnesium  | 24-2  | 59423.70  | 58678.26  | 59224.61  | 59108.85   | 0.65    | ppb   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-03             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:35:32  | DataFile Name :   | 024SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1011.51  | 1004.67  | 1015.55  | 1010.58    | 0.54    | ppb   |
| Molybdenum | 94-1  | 2137.82  | 2211.67  | 2268.61  | 2206.03    | 2.97    | ppb   |
| Molybdenum | 95-1  | 2138.63  | 2221.79  | 2284.00  | 2214.81    | 3.29    | ppb   |
| Molybdenum | 96-1  | 2143.01  | 2232.83  | 2277.36  | 2217.73    | 3.09    | ppb   |
| Molybdenum | 97-1  | 2066.49  | 2139.00  | 2176.88  | 2127.46    | 2.64    | ppb   |
| Molybdenum | 98-1  | 2134.10  | 2207.38  | 2271.48  | 2204.32    | 3.12    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 505.98   | 499.93   | 507.02   | 504.31     | 0.76    | ppb   |
| Phosphorus | 31-2  | 74.80    | 34.21    | 66.04    | 58.35      | 36.61   | ppb   |
| Potassium  | 39-2  | 27538.39 | 27572.81 | 27706.06 | 27605.75   | 0.32    | ppb   |
| Rhodium    | 103-1 |          |          |          | 96         |         | %     |
| Rhodium    | 103-2 |          |          |          | 96         |         | %     |
| Scandium   | 45-1  |          |          |          | 98         |         | %     |
| Scandium   | 45-2  |          |          |          | 101        |         | %     |
| Selenium   | 77-2  | 474.85   | 491.01   | 524.65   | 496.84     | 5.11    | ppb   |
| Selenium   | 78-2  | 491.71   | 498.71   | 496.41   | 495.61     | 0.72    | ppb   |
| Selenium   | 82-1  | 448.68   | 461.61   | 462.09   | 457.46     | 1.66    | ppb   |
| Silicon    | 28-1  | 7067.17  | 7387.41  | 7590.33  | 7348.31    | 3.59    | ppb   |
| Silver     | 109-1 | 423.17   | 433.50   | 439.61   | 432.09     | 1.92    | ppb   |
| Silver     | 107-1 | 421.92   | 430.10   | 441.90   | 431.31     | 2.33    | ppb   |
| Sodium     | 23-2  | 77309.72 | 76427.20 | 76834.55 | 76857.16   | 0.57    | ppb   |
| Strontium  | 86-1  | 848.94   | 874.34   | 890.35   | 871.21     | 2.40    | ppb   |
| Strontium  | 88-1  | 861.43   | 894.16   | 921.59   | 892.39     | 3.37    | ppb   |
| Sulfur     | 34-1  | 7462.83  | 7782.66  | 8157.62  | 7801.04    | 4.46    | ppb   |
| Terbium    | 159-1 |          |          |          | 118        |         | %     |
| Terbium    | 159-2 |          |          |          | 100        |         | %     |
| Thallium   | 203-1 | 443.25   | 465.15   | 481.00   | 463.13     | 4.09    | ppb   |
| Thallium   | 205-1 | 455.04   | 477.97   | 491.46   | 474.83     | 3.88    | ppb   |
| Thorium    | 232-1 | 0.04     | 0.03     | 0.03     | 0.03       | 14.78   | ppb   |
| Tin        | 118-1 | 442.90   | 451.35   | 472.58   | 455.61     | 3.36    | ppb   |
| Titanium   | 47-1  | 2261.63  | 2349.46  | 2402.84  | 2337.98    | 3.05    | ppb   |
| Uranium    | 238-1 | 449.10   | 472.68   | 485.34   | 469.04     | 3.92    | ppb   |
| Vanadium   | 51-2  | 499.48   | 495.83   | 497.59   | 497.63     | 0.37    | ppb   |
| Yttrium    | 89-1  |          |          |          | 114        |         | %     |
| Yttrium    | 89-2  |          |          |          | 99         |         | %     |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-03             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:35:32  | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 859.95  | 852.47  | 843.85  | 852.09     | 0.95    | ppb   |
| Zirconium | 90-1 | 417.87  | 438.41  | 455.76  | 437.35     | 4.34    | ppb   |
| Zirconium | 91-1 | 433.16  | 426.90  | 440.27  | 433.44     | 1.54    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01A Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:39:09 DataFile Name : 025SMPL.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 9650.92   | 9823.57   | 9428.42   | 9634.30    | 2.06    | ppb   |
| Antimony   | 121-1 | 478.95    | 469.49    | 477.38    | 475.27     | 1.07    | ppb   |
| Arsenic    | 75-2  | 514.54    | 517.95    | 515.34    | 515.94     | 0.35    | ppb   |
| Barium     | 135-1 | 2486.95   | 2433.11   | 2435.07   | 2451.71    | 1.25    | ppb   |
| Barium     | 137-1 | 2487.50   | 2442.47   | 2496.12   | 2475.36    | 1.16    | ppb   |
| Beryllium  | 9-1   | 414.79    | 416.42    | 412.63    | 414.62     | 0.46    | ppb   |
| Bismuth    | 209-1 |           |           |           | 103        |         | %     |
| Bismuth    | 209-2 |           |           |           | 95         |         | %     |
| Boron      | 10-1  | 546.81    | 564.01    | 570.93    | 560.58     | 2.22    | ppb   |
| Boron      | 11-1  | 570.29    | 588.02    | 586.26    | 581.52     | 1.68    | ppb   |
| Cadmium    | 111-1 | 443.76    | 433.77    | 434.10    | 437.21     | 1.30    | ppb   |
| Cadmium    | 106-1 | 425.17    | 434.36    | 427.73    | 429.08     | 1.11    | ppb   |
| Cadmium    | 108-1 | 435.02    | 413.98    | 432.82    | 427.27     | 2.71    | ppb   |
| Calcium    | 43-1  | 140449.79 | 141002.38 | 142423.16 | 141291.78  | 0.72    | ppb   |
| Calcium    | 44-1  | 141214.91 | 140714.88 | 143254.78 | 141728.19  | 0.95    | ppb   |
| Chromium   | 52-2  | 487.69    | 497.25    | 478.17    | 487.71     | 1.96    | ppb   |
| Cobalt     | 59-2  | 489.67    | 504.75    | 480.99    | 491.80     | 2.44    | ppb   |
| Copper     | 63-2  | 922.19    | 958.05    | 916.24    | 932.16     | 2.43    | 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 |           |           |           | 117        |         | %     |
| Holmium    | 165-2 |           |           |           | 101        |         | %     |
| Indium     | 115-1 |           |           |           | 100        |         | %     |
| Indium     | 115-2 |           |           |           | 93         |         | %     |
| Iron       | 56-2  | 24487.98  | 25258.85  | 24067.58  | 24604.80   | 2.46    | ppb   |
| Iron       | 57-2  | 25191.54  | 26220.27  | 25029.41  | 25480.41   | 2.53    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 482.92    | 487.69    | 483.61    | 484.74     | 0.53    | ppb   |
| Lead       | 207-1 | 495.42    | 504.38    | 501.09    | 500.30     | 0.91    | ppb   |
| Lead       | 208-1 | 491.01    | 497.83    | 496.83    | 495.22     | 0.74    | ppb   |
| Lithium    | 6-1   |           |           |           | 102        |         | %     |
| Magnesium  | 24-2  | 58677.02  | 59677.66  | 57269.27  | 58541.32   | 2.07    | ppb   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01A Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:39:09 DataFile Name : 025SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 990.70   | 1015.59  | 973.69   | 993.33     | 2.12    | ppb   |
| Molybdenum | 94-1  | 2253.79  | 2254.84  | 2245.86  | 2251.50    | 0.22    | ppb   |
| Molybdenum | 95-1  | 2261.32  | 2255.04  | 2248.73  | 2255.03    | 0.28    | ppb   |
| Molybdenum | 96-1  | 2233.95  | 2252.85  | 2228.88  | 2238.56    | 0.56    | ppb   |
| Molybdenum | 97-1  | 2176.32  | 2152.76  | 2137.41  | 2155.50    | 0.91    | ppb   |
| Molybdenum | 98-1  | 2242.43  | 2227.09  | 2217.39  | 2228.97    | 0.57    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 500.27   | 510.56   | 488.40   | 499.74     | 2.22    | ppb   |
| Phosphorus | 31-2  | 48.60    | 31.49    | 115.93   | 65.34      | 68.32   | ppb   |
| Potassium  | 39-2  | 27054.15 | 27562.57 | 26534.31 | 27050.34   | 1.90    | ppb   |
| Rhodium    | 103-1 |          |          |          | 94         |         | %     |
| Rhodium    | 103-2 |          |          |          | 96         |         | %     |
| Scandium   | 45-1  |          |          |          | 94         |         | %     |
| Scandium   | 45-2  |          |          |          | 100        |         | %     |
| Selenium   | 77-2  | 430.83   | 462.36   | 472.45   | 455.21     | 4.77    | ppb   |
| Selenium   | 78-2  | 474.65   | 513.29   | 492.23   | 493.39     | 3.92    | ppb   |
| Selenium   | 82-1  | 457.72   | 455.82   | 463.42   | 458.99     | 0.86    | ppb   |
| Silicon    | 28-1  | 7401.65  | 7515.60  | 7532.24  | 7483.16    | 0.95    | ppb   |
| Silver     | 109-1 | 443.34   | 436.62   | 434.09   | 438.01     | 1.09    | ppb   |
| Silver     | 107-1 | 447.49   | 435.96   | 434.76   | 439.40     | 1.60    | ppb   |
| Sodium     | 23-2  | 75499.89 | 77010.03 | 74207.46 | 75572.46   | 1.86    | ppb   |
| Strontium  | 86-1  | 896.96   | 886.28   | 889.23   | 890.82     | 0.62    | ppb   |
| Strontium  | 88-1  | 904.34   | 903.11   | 907.69   | 905.05     | 0.26    | ppb   |
| Sulfur     | 34-1  | 7997.14  | 8376.07  | 8029.58  | 8134.26    | 2.58    | ppb   |
| Terbium    | 159-1 |          |          |          | 116        |         | %     |
| Terbium    | 159-2 |          |          |          | 100        |         | %     |
| Thallium   | 203-1 | 475.28   | 475.19   | 474.33   | 474.93     | 0.11    | ppb   |
| Thallium   | 205-1 | 476.84   | 490.12   | 484.80   | 483.92     | 1.38    | ppb   |
| Thorium    | 232-1 | 0.02     | 0.02     | 0.03     | 0.02       | 13.75   | ppb   |
| Tin        | 118-1 | 466.55   | 459.74   | 462.76   | 463.02     | 0.74    | ppb   |
| Titanium   | 47-1  | 2380.24  | 2376.34  | 2382.63  | 2379.74    | 0.13    | ppb   |
| Uranium    | 238-1 | 470.76   | 479.30   | 480.33   | 476.80     | 1.10    | ppb   |
| Vanadium   | 51-2  | 486.60   | 503.09   | 481.67   | 490.45     | 2.29    | ppb   |
| Yttrium    | 89-1  |          |          |          | 111        |         | %     |
| Yttrium    | 89-2  |          |          |          | 99         |         | %     |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01A            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:39:09  | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 831.70  | 862.28  | 832.82  | 842.27     | 2.06    | ppb   |
| Zirconium | 90-1 | 449.29  | 447.75  | 447.24  | 448.10     | 0.24    | ppb   |
| Zirconium | 91-1 | 448.34  | 439.61  | 434.68  | 440.88     | 1.57    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : PB121595BL Instrumnet Name : P7  
 Client Sample ID : PB121595BL Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:49:36 DataFile Name : 026CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.44   | -0.04   | -0.44   | -0.31      |         | ppb   |
| Antimony   | 121-1 | 0.01    | 0.03    | 0.02    | 0.02       | 51.57   | ppb   |
| Arsenic    | 75-2  | 0.05    | 0.00    | -0.04   | 0.00       | 1618.77 | ppb   |
| Barium     | 135-1 | 0.01    | -0.02   | 0.01    | 0.00       |         | ppb   |
| Barium     | 137-1 | -0.02   | 0.01    | 0.01    | 0.00       | 442.21  | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.04    | 0.03    | 0.03       | 75.95   | ppb   |
| Bismuth    | 209-1 |         |         |         | 99         |         | %     |
| Bismuth    | 209-2 |         |         |         | 95         |         | %     |
| Boron      | 10-1  | 14.16   | 15.36   | 12.92   | 14.15      | 8.62    | ppb   |
| Boron      | 11-1  | 15.10   | 14.72   | 13.79   | 14.54      | 4.64    | ppb   |
| Cadmium    | 111-1 | -0.07   | -0.03   | -0.08   | -0.06      |         | ppb   |
| Cadmium    | 106-1 | -0.81   | -0.42   | -0.86   | -0.70      |         | ppb   |
| Cadmium    | 108-1 | -0.06   | -0.06   | -0.06   | -0.06      |         | ppb   |
| Calcium    | 43-1  | -0.65   | 2.02    | 4.66    | 2.01       | 132.31  | ppb   |
| Calcium    | 44-1  | -3.64   | -0.55   | -1.46   | -1.88      |         | ppb   |
| Chromium   | 52-2  | 0.07    | 0.06    | 0.03    | 0.06       | 36.17   | ppb   |
| Cobalt     | 59-2  | -0.03   | -0.02   | -0.03   | -0.03      |         | ppb   |
| Copper     | 63-2  | 0.21    | 0.23    | 0.14    | 0.19       | 25.76   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 107        |         | %     |
| Holmium    | 165-2 |         |         |         | 95         |         | %     |
| Indium     | 115-1 |         |         |         | 94         |         | %     |
| Indium     | 115-2 |         |         |         | 93         |         | %     |
| Iron       | 56-2  | -0.38   | 0.33    | 0.05    | 0.00       |         | ppb   |
| Iron       | 57-2  | 1.98    | 0.89    | 3.77    | 2.21       | 65.59   | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.15    | 0.13    | 0.14    | 0.14       | 5.17    | ppb   |
| Lead       | 207-1 | 0.12    | 0.15    | 0.17    | 0.14       | 14.90   | ppb   |
| Lead       | 208-1 | 0.14    | 0.18    | 0.15    | 0.16       | 15.72   | ppb   |
| Lithium    | 6-1   |         |         |         | 88         |         | %     |
| Magnesium  | 24-2  | 0.08    | 0.26    | 0.71    | 0.35       | 92.60   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:49:36 | DataFile Name :   | 026CCBE.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | -0.04    | 0.01     | -0.04    | -0.02      |         | ppb   |
| Molybdenum | 94-1  | 0.01     | 0.04     | 0.09     | 0.05       | 79.40   | ppb   |
| Molybdenum | 95-1  | 0.06     | 0.06     | 0.05     | 0.06       | 10.36   | ppb   |
| Molybdenum | 96-1  | 0.04     | 0.03     | 0.05     | 0.04       | 24.62   | ppb   |
| Molybdenum | 97-1  | 0.17     | 0.04     | 0.14     | 0.11       | 60.06   | ppb   |
| Molybdenum | 98-1  | 0.06     | 0.02     | 0.03     | 0.04       | 62.33   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.01     | -0.09    | -0.07    | -0.05      |         | ppb   |
| Phosphorus | 31-2  | -25.44   | -31.74   | -39.32   | -32.17     |         | ppb   |
| Potassium  | 39-2  | 11.34    | 2.47     | 5.07     | 6.29       | 72.43   | ppb   |
| Rhodium    | 103-1 |          |          |          | 93         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 90         |         | %     |
| Scandium   | 45-2  |          |          |          | 92         |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -2.77    | -1.91    | -2.32    | -2.33      |         | ppb   |
| Selenium   | 82-1  | 0.02     | -0.64    | -0.86    | -0.49      |         | ppb   |
| Silicon    | 28-1  | -2.09    | -2.56    | -1.76    | -2.14      |         | ppb   |
| Silver     | 109-1 | 0.03     | 0.02     | 0.06     | 0.04       | 66.35   | ppb   |
| Silver     | 107-1 | 0.01     | 0.01     | 0.00     | 0.01       | 63.18   | ppb   |
| Sodium     | 23-2  | 13.94    | 14.41    | 14.48    | 14.27      | 2.04    | ppb   |
| Strontium  | 86-1  | -0.04    | 0.02     | -0.01    | -0.01      |         | ppb   |
| Strontium  | 88-1  | 0.00     | -0.01    | -0.01    | 0.00       |         | ppb   |
| Sulfur     | 34-1  | -1063.66 | -1020.01 | -1099.31 | -1060.99   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 107        |         | %     |
| Terbium    | 159-2 |          |          |          | 94         |         | %     |
| Thallium   | 203-1 | -0.01    | -0.02    | -0.02    | -0.02      |         | ppb   |
| Thallium   | 205-1 | -0.02    | -0.01    | -0.01    | -0.01      |         | ppb   |
| Thorium    | 232-1 | 0.00     | 0.00     | 0.00     | 0.00       | 2608.62 | ppb   |
| Tin        | 118-1 | 0.01     | 0.01     | 0.01     | 0.01       | 1.34    | ppb   |
| Titanium   | 47-1  | 0.06     | 0.03     | 0.03     | 0.04       | 47.03   | ppb   |
| Uranium    | 238-1 | -0.02    | -0.01    | -0.02    | -0.02      |         | ppb   |
| Vanadium   | 51-2  | 0.02     | 0.00     | 0.00     | 0.01       | 198.82  | ppb   |
| Yttrium    | 89-1  |          |          |          | 104        |         | %     |
| Yttrium    | 89-2  |          |          |          | 94         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:49:36 | DataFile Name :   | 026CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | -0.02   | -0.06   | -0.03   | -0.04      |         | ppb   |
| Zirconium | 90-1 | 0.01    | 0.00    | 0.01    | 0.01       | 106.29  | ppb   |
| Zirconium | 91-1 | -0.03   | 0.00    | 0.00    | -0.01      |         | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:53:13 | DataFile Name :   | 027LCS6.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 10061.23 | 10634.66 | 9636.09  | 10110.66   | 4.96    | ppb   |
| Antimony   | 121-1 | 483.45   | 477.28   | 480.33   | 480.35     | 0.64    | ppb   |
| Arsenic    | 75-2  | 490.90   | 535.24   | 484.26   | 503.47     | 5.51    | ppb   |
| Barium     | 135-1 | 2443.14  | 2418.83  | 2393.30  | 2418.43    | 1.03    | ppb   |
| Barium     | 137-1 | 2461.27  | 2440.34  | 2425.45  | 2442.35    | 0.74    | ppb   |
| Beryllium  | 9-1   | 497.02   | 490.00   | 490.94   | 492.65     | 0.77    | ppb   |
| Bismuth    | 209-1 |          |          |          | 100        |         | %     |
| Bismuth    | 209-2 |          |          |          | 97         |         | %     |
| Boron      | 10-1  | 462.84   | 471.08   | 483.51   | 472.48     | 2.20    | ppb   |
| Boron      | 11-1  | 471.59   | 472.66   | 481.18   | 475.14     | 1.11    | ppb   |
| Cadmium    | 111-1 | 468.59   | 461.99   | 458.83   | 463.14     | 1.07    | ppb   |
| Cadmium    | 106-1 | 455.61   | 444.74   | 451.82   | 450.72     | 1.22    | ppb   |
| Cadmium    | 108-1 | 466.55   | 455.63   | 464.10   | 462.09     | 1.24    | ppb   |
| Calcium    | 43-1  | 52638.16 | 53103.00 | 52545.04 | 52762.07   | 0.57    | ppb   |
| Calcium    | 44-1  | 52428.51 | 52832.33 | 52808.54 | 52689.79   | 0.43    | ppb   |
| Chromium   | 52-2  | 505.21   | 529.15   | 476.89   | 503.75     | 5.19    | ppb   |
| Cobalt     | 59-2  | 504.40   | 536.28   | 479.89   | 506.85     | 5.58    | ppb   |
| Copper     | 63-2  | 965.16   | 1013.78  | 908.12   | 962.35     | 5.50    | 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 |          |          |          | 111        |         | %     |
| Holmium    | 165-2 |          |          |          | 100        |         | %     |
| Indium     | 115-1 |          |          |          | 94         |         | %     |
| Indium     | 115-2 |          |          |          | 92         |         | %     |
| Iron       | 56-2  | 26201.46 | 27288.14 | 24536.67 | 26008.76   | 5.33    | ppb   |
| Iron       | 57-2  | 26464.49 | 27964.29 | 25121.88 | 26516.89   | 5.36    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 485.67   | 487.90   | 484.70   | 486.09     | 0.34    | ppb   |
| Lead       | 207-1 | 485.24   | 490.13   | 485.29   | 486.89     | 0.58    | ppb   |
| Lead       | 208-1 | 491.29   | 494.24   | 492.94   | 492.82     | 0.30    | ppb   |
| Lithium    | 6-1   |          |          |          | 89         |         | %     |
| Magnesium  | 24-2  | 51262.91 | 53674.08 | 47816.53 | 50917.84   | 5.78    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:53:13 | DataFile Name :   | 027LCS6.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1010.30  | 1061.54  | 959.68   | 1010.51    | 5.04    | ppb   |
| Molybdenum | 94-1  | 2439.45  | 2449.21  | 2478.93  | 2455.86    | 0.84    | ppb   |
| Molybdenum | 95-1  | 2451.07  | 2456.94  | 2466.40  | 2458.13    | 0.31    | ppb   |
| Molybdenum | 96-1  | 2452.39  | 2448.26  | 2487.63  | 2462.76    | 0.88    | ppb   |
| Molybdenum | 97-1  | 2348.62  | 2339.08  | 2360.35  | 2349.35    | 0.45    | ppb   |
| Molybdenum | 98-1  | 2449.42  | 2422.63  | 2469.72  | 2447.26    | 0.97    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 507.30   | 540.17   | 487.78   | 511.75     | 5.17    | ppb   |
| Phosphorus | 31-2  | 10448.36 | 10362.67 | 9278.76  | 10029.93   | 6.50    | ppb   |
| Potassium  | 39-2  | 24772.68 | 25982.48 | 23320.38 | 24691.85   | 5.40    | ppb   |
| Rhodium    | 103-1 |          |          |          | 89         |         | %     |
| Rhodium    | 103-2 |          |          |          | 92         |         | %     |
| Scandium   | 45-1  |          |          |          | 87         |         | %     |
| Scandium   | 45-2  |          |          |          | 93         |         | %     |
| Selenium   | 77-2  | 573.04   | 511.28   | 517.97   | 534.10     | 6.35    | ppb   |
| Selenium   | 78-2  | 504.12   | 543.81   | 492.50   | 513.48     | 5.24    | ppb   |
| Selenium   | 82-1  | 489.80   | 479.75   | 492.69   | 487.42     | 1.39    | ppb   |
| Silicon    | 28-1  | 549.13   | 560.55   | 563.57   | 557.75     | 1.37    | ppb   |
| Silver     | 109-1 | 475.09   | 467.87   | 468.29   | 470.42     | 0.86    | ppb   |
| Silver     | 107-1 | 472.09   | 472.60   | 465.54   | 470.08     | 0.84    | ppb   |
| Sodium     | 23-2  | 50697.13 | 53602.76 | 48155.04 | 50818.31   | 5.36    | ppb   |
| Strontium  | 86-1  | 480.26   | 474.66   | 483.15   | 479.36     | 0.90    | ppb   |
| Strontium  | 88-1  | 489.97   | 489.69   | 491.29   | 490.32     | 0.17    | ppb   |
| Sulfur     | 34-1  | 8682.01  | 8674.42  | 8736.60  | 8697.68    | 0.39    | ppb   |
| Terbium    | 159-1 |          |          |          | 110        |         | %     |
| Terbium    | 159-2 |          |          |          | 99         |         | %     |
| Thallium   | 203-1 | 483.21   | 485.21   | 482.56   | 483.66     | 0.29    | ppb   |
| Thallium   | 205-1 | 494.63   | 498.43   | 496.92   | 496.66     | 0.39    | ppb   |
| Thorium    | 232-1 | 484.76   | 490.54   | 491.45   | 488.92     | 0.74    | ppb   |
| Tin        | 118-1 | 477.42   | 473.32   | 469.83   | 473.52     | 0.80    | ppb   |
| Titanium   | 47-1  | 2481.21  | 2498.04  | 2486.85  | 2488.70    | 0.34    | ppb   |
| Uranium    | 238-1 | 483.52   | 490.35   | 489.69   | 487.85     | 0.77    | ppb   |
| Vanadium   | 51-2  | 501.01   | 530.98   | 476.83   | 502.94     | 5.39    | ppb   |
| Yttrium    | 89-1  |          |          |          | 103        |         | %     |
| Yttrium    | 89-2  |          |          |          | 95         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:53:13 | DataFile Name :   | 027LCS6.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 972.23  | 1029.97 | 940.46  | 980.89     | 4.63    | ppb   |
| Zirconium | 90-1 | 481.37  | 485.45  | 487.58  | 484.80     | 0.65    | ppb   |
| Zirconium | 91-1 | 469.78  | 468.60  | 476.11  | 471.50     | 0.86    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3733-07            | Instrumnet Name : | P7        |
| Client Sample ID :      | EB-01-190709        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:57:59 | DataFile Name :   | 028SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD  | Units |
|------------|-------|---------|---------|---------|------------|----------|-------|
| Aluminium  | 27-2  | -0.12   | -0.11   | 0.24    | 0.00       | 5727.01  | ppb   |
| Antimony   | 121-1 | 0.21    | 0.19    | 0.19    | 0.19       | 6.78     | ppb   |
| Arsenic    | 75-2  | 0.08    | -0.04   | 0.00    | 0.01       | 503.09   | ppb   |
| Barium     | 135-1 | 0.03    | -0.02   | 0.03    | 0.01       | 212.86   | ppb   |
| Barium     | 137-1 | 0.08    | 0.02    | 0.01    | 0.04       | 93.06    | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.01    | 0.02    | 0.01       | 93.34    | ppb   |
| Bismuth    | 209-1 |         |         |         | 116        |          | %     |
| Bismuth    | 209-2 |         |         |         | 107        |          | %     |
| Boron      | 10-1  | 16.82   | 15.18   | 13.12   | 15.04      | 12.31    | ppb   |
| Boron      | 11-1  | 16.16   | 16.64   | 14.87   | 15.89      | 5.75     | ppb   |
| Cadmium    | 111-1 | -0.30   | -0.26   | -0.34   | -0.30      |          | ppb   |
| Cadmium    | 106-1 | -4.02   | -2.95   | -4.08   | -3.68      |          | ppb   |
| Cadmium    | 108-1 | 0.23    | 0.09    | 0.09    | 0.14       | 60.30    | ppb   |
| Calcium    | 43-1  | 8.97    | 15.48   | 6.81    | 10.42      | 43.28    | ppb   |
| Calcium    | 44-1  | 8.10    | 7.08    | 9.62    | 8.26       | 15.43    | ppb   |
| Chromium   | 52-2  | 0.22    | 0.10    | 0.27    | 0.20       | 44.13    | ppb   |
| Cobalt     | 59-2  | -0.02   | -0.02   | -0.03   | -0.02      |          | ppb   |
| Copper     | 63-2  | 0.16    | 0.09    | 0.17    | 0.14       | 30.39    | 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 |         |         |         | 119        |          | %     |
| Holmium    | 165-2 |         |         |         | 105        |          | %     |
| Indium     | 115-1 |         |         |         | 107        |          | %     |
| Indium     | 115-2 |         |         |         | 102        |          | %     |
| Iron       | 56-2  | 0.41    | 0.58    | 0.27    | 0.42       | 37.28    | ppb   |
| Iron       | 57-2  | -1.30   | -2.42   | 3.78    | 0.02       | 16913.72 | ppb   |
| Krypton    | 83-1  |         |         |         |            |          | cps   |
| Lead       | 206-1 | 0.17    | 0.16    | 0.19    | 0.17       | 8.39     | ppb   |
| Lead       | 207-1 | 0.15    | 0.08    | 0.10    | 0.11       | 32.03    | ppb   |
| Lead       | 208-1 | 0.16    | 0.14    | 0.15    | 0.15       | 6.80     | ppb   |
| Lithium    | 6-1   |         |         |         | 97         |          | %     |
| Magnesium  | 24-2  | 1.22    | 1.67    | 1.67    | 1.52       | 16.93    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3733-07            | Instrumnet Name : | P7        |
| Client Sample ID :      | EB-01-190709        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:57:59 | DataFile Name :   | 028SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | -0.02    | -0.03    | -0.01    | -0.02      |         | ppb   |
| Molybdenum | 94-1  | 0.32     | 0.10     | 0.18     | 0.20       | 56.89   | ppb   |
| Molybdenum | 95-1  | 0.22     | 0.18     | 0.13     | 0.18       | 25.07   | ppb   |
| Molybdenum | 96-1  | 0.14     | 0.13     | 0.16     | 0.14       | 11.99   | ppb   |
| Molybdenum | 97-1  | 0.32     | 0.20     | 0.20     | 0.24       | 28.19   | ppb   |
| Molybdenum | 98-1  | 0.16     | 0.15     | 0.10     | 0.14       | 22.97   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.00     | -0.02    | -0.06    | -0.03      |         | ppb   |
| Phosphorus | 31-2  | -27.93   | -53.59   | -27.79   | -36.44     |         | ppb   |
| Potassium  | 39-2  | -7.67    | -5.87    | -2.71    | -5.42      |         | ppb   |
| Rhodium    | 103-1 |          |          |          | 100        |         | %     |
| Rhodium    | 103-2 |          |          |          | 103        |         | %     |
| Scandium   | 45-1  |          |          |          | 96         |         | %     |
| Scandium   | 45-2  |          |          |          | 100        |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.93    | -1.28    | -2.48    | -1.56      |         | ppb   |
| Selenium   | 82-1  | 0.11     | -0.24    | -0.41    | -0.18      |         | ppb   |
| Silicon    | 28-1  | -3.45    | -3.05    | -2.77    | -3.09      |         | ppb   |
| Silver     | 109-1 | 0.02     | 0.04     | 0.04     | 0.03       | 34.66   | ppb   |
| Silver     | 107-1 | 0.01     | 0.01     | 0.01     | 0.01       | 32.08   | ppb   |
| Sodium     | 23-2  | 7.21     | 10.59    | 7.85     | 8.55       | 20.96   | ppb   |
| Strontium  | 86-1  | 0.02     | -0.08    | -0.04    | -0.03      |         | ppb   |
| Strontium  | 88-1  | 0.02     | 0.02     | 0.02     | 0.02       | 22.47   | ppb   |
| Sulfur     | 34-1  | -2470.19 | -2139.03 | -2083.37 | -2230.86   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 119        |         | %     |
| Terbium    | 159-2 |          |          |          | 104        |         | %     |
| Thallium   | 203-1 | 0.06     | 0.02     | 0.02     | 0.04       | 55.52   | ppb   |
| Thallium   | 205-1 | 0.01     | 0.02     | 0.01     | 0.01       | 60.83   | ppb   |
| Thorium    | 232-1 | 0.04     | 0.03     | 0.03     | 0.03       | 15.28   | ppb   |
| Tin        | 118-1 | 0.30     | 0.08     | 0.02     | 0.13       | 109.03  | ppb   |
| Titanium   | 47-1  | 0.10     | 0.05     | 0.08     | 0.07       | 34.05   | ppb   |
| Uranium    | 238-1 | 0.00     | -0.01    | -0.01    | -0.01      |         | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.02     | 0.00     | 0.00       | 517.46  | ppb   |
| Yttrium    | 89-1  |          |          |          | 114        |         | %     |
| Yttrium    | 89-2  |          |          |          | 103        |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3733-07            | Instrumnet Name : | P7        |
| Client Sample ID :      | EB-01-190709        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:57:59 | DataFile Name :   | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.26    | 0.35    | 0.40    | 0.33       | 21.21   | ppb   |
| Zirconium | 90-1 | 0.01    | 0.00    | 0.01    | 0.01       | 129.83  | ppb   |
| Zirconium | 91-1 | 0.01    | 0.06    | 0.02    | 0.03       | 92.58   | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV44               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV44               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:01:34 | DataFile Name :   | 029CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 53729.70  | 52730.41  | 52575.03  | 53011.71   | 1.18    | ppb   |
| Antimony   | 121-1 | 475.66    | 471.13    | 465.34    | 470.71     | 1.10    | ppb   |
| Arsenic    | 75-2  | 518.16    | 527.50    | 518.51    | 521.39     | 1.02    | ppb   |
| Barium     | 135-1 | 2323.80   | 2292.09   | 2287.76   | 2301.22    | 0.86    | ppb   |
| Barium     | 137-1 | 2339.02   | 2356.43   | 2339.82   | 2345.09    | 0.42    | ppb   |
| Beryllium  | 9-1   | 468.91    | 468.80    | 468.09    | 468.60     | 0.10    | ppb   |
| Bismuth    | 209-1 |           |           |           | 92         |         | %     |
| Bismuth    | 209-2 |           |           |           | 89         |         | %     |
| Boron      | 10-1  | 458.12    | 459.04    | 454.14    | 457.10     | 0.57    | ppb   |
| Boron      | 11-1  | 459.10    | 461.97    | 471.90    | 464.32     | 1.45    | ppb   |
| Cadmium    | 111-1 | 490.78    | 495.76    | 488.04    | 491.53     | 0.80    | ppb   |
| Cadmium    | 106-1 | 478.39    | 498.28    | 494.74    | 490.47     | 2.16    | ppb   |
| Cadmium    | 108-1 | 478.86    | 491.05    | 497.63    | 489.18     | 1.95    | ppb   |
| Calcium    | 43-1  | 233973.52 | 232260.47 | 232160.75 | 232798.25  | 0.44    | ppb   |
| Calcium    | 44-1  | 237332.60 | 238449.30 | 238973.16 | 238251.69  | 0.35    | ppb   |
| Chromium   | 52-2  | 501.51    | 499.47    | 494.17    | 498.39     | 0.76    | ppb   |
| Cobalt     | 59-2  | 497.47    | 489.80    | 485.71    | 490.99     | 1.22    | ppb   |
| Copper     | 63-2  | 986.69    | 977.21    | 976.10    | 980.00     | 0.59    | 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 |           |           |           | 97         |         | %     |
| Indium     | 115-1 |           |           |           | 89         |         | %     |
| Indium     | 115-2 |           |           |           | 88         |         | %     |
| Iron       | 56-2  | 125496.15 | 121834.07 | 121531.06 | 122953.76  | 1.79    | ppb   |
| Iron       | 57-2  | 131887.71 | 130142.42 | 129716.07 | 130582.06  | 0.88    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 480.14    | 473.10    | 480.56    | 477.93     | 0.88    | ppb   |
| Lead       | 207-1 | 483.65    | 477.76    | 481.84    | 481.08     | 0.63    | ppb   |
| Lead       | 208-1 | 485.97    | 483.36    | 488.26    | 485.87     | 0.50    | ppb   |
| Lithium    | 6-1   |           |           |           | 87         |         | %     |
| Magnesium  | 24-2  | 245349.55 | 237641.25 | 235682.84 | 239557.88  | 2.13    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV44               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV44               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:01:34 | DataFile Name :   | 029CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 1003.20   | 984.37    | 983.33    | 990.30     | 1.13    | ppb   |
| Molybdenum | 94-1  | 2371.06   | 2379.17   | 2370.10   | 2373.45    | 0.21    | ppb   |
| Molybdenum | 95-1  | 2376.24   | 2372.00   | 2381.96   | 2376.74    | 0.21    | ppb   |
| Molybdenum | 96-1  | 2377.43   | 2371.82   | 2384.23   | 2377.83    | 0.26    | ppb   |
| Molybdenum | 97-1  | 2279.78   | 2261.90   | 2282.91   | 2274.87    | 0.50    | ppb   |
| Molybdenum | 98-1  | 2358.74   | 2361.61   | 2367.21   | 2362.52    | 0.18    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 485.04    | 479.14    | 477.32    | 480.50     | 0.84    | ppb   |
| Phosphorus | 31-2  | 9542.79   | 10008.21  | 9901.79   | 9817.60    | 2.48    | ppb   |
| Potassium  | 39-2  | 120823.19 | 117722.04 | 117177.70 | 118574.31  | 1.66    | ppb   |
| Rhodium    | 103-1 |           |           |           | 81         |         | %     |
| Rhodium    | 103-2 |           |           |           | 85         |         | %     |
| Scandium   | 45-1  |           |           |           | 85         |         | %     |
| Scandium   | 45-2  |           |           |           | 90         |         | %     |
| Selenium   | 77-2  | 454.52    | 521.56    | 481.42    | 485.83     | 6.94    | ppb   |
| Selenium   | 78-2  | 517.48    | 513.20    | 509.50    | 513.40     | 0.78    | ppb   |
| Selenium   | 82-1  | 464.35    | 451.84    | 453.69    | 456.62     | 1.48    | ppb   |
| Silicon    | 28-1  | 485.76    | 489.15    | 495.51    | 490.14     | 1.01    | ppb   |
| Silver     | 109-1 | 496.58    | 492.21    | 486.48    | 491.76     | 1.03    | ppb   |
| Silver     | 107-1 | 498.19    | 495.56    | 492.97    | 495.57     | 0.53    | ppb   |
| Sodium     | 23-2  | 246754.46 | 239717.36 | 239182.01 | 241884.61  | 1.75    | ppb   |
| Strontium  | 86-1  | 468.70    | 460.87    | 456.71    | 462.09     | 1.32    | ppb   |
| Strontium  | 88-1  | 472.90    | 470.32    | 473.58    | 472.27     | 0.36    | ppb   |
| Sulfur     | 34-1  | 8500.00   | 8552.21   | 8287.99   | 8446.73    | 1.66    | ppb   |
| Terbium    | 159-1 |           |           |           | 106        |         | %     |
| Terbium    | 159-2 |           |           |           | 96         |         | %     |
| Thallium   | 203-1 | 478.59    | 474.22    | 479.19    | 477.33     | 0.57    | ppb   |
| Thallium   | 205-1 | 495.19    | 486.10    | 492.67    | 491.32     | 0.96    | ppb   |
| Thorium    | 232-1 | 507.76    | 504.01    | 499.65    | 503.81     | 0.81    | ppb   |
| Tin        | 118-1 | 453.02    | 450.29    | 443.79    | 449.03     | 1.06    | ppb   |
| Titanium   | 47-1  | 2380.85   | 2386.09   | 2391.54   | 2386.16    | 0.22    | ppb   |
| Uranium    | 238-1 | 502.81    | 503.15    | 500.30    | 502.09     | 0.31    | ppb   |
| Vanadium   | 51-2  | 508.77    | 501.19    | 495.85    | 501.94     | 1.29    | ppb   |
| Yttrium    | 89-1  |           |           |           | 99         |         | %     |
| Yttrium    | 89-2  |           |           |           | 93         |         | %     |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV44               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV44               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:01:34 | DataFile Name :   | 029CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 980.76  | 955.10  | 952.73  | 962.86     | 1.61    | ppb   |
| Zirconium | 90-1 | 458.55  | 452.21  | 456.94  | 455.90     | 0.72    | ppb   |
| Zirconium | 91-1 | 474.63  | 463.27  | 466.38  | 468.09     | 1.25    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB44 Instrumnet Name : P7  
 Client Sample ID : CCB44 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:06:36 DataFile Name : 030CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | 0.33    | -0.05   | 0.75    | 0.35       | 116.44  | ppb   |
| Antimony   | 121-1 | 0.22    | 0.31    | 0.39    | 0.31       | 26.37   | ppb   |
| Arsenic    | 75-2  | 0.09    | 0.09    | -0.04   | 0.05       | 163.72  | ppb   |
| Barium     | 135-1 | 0.11    | 0.06    | -0.02   | 0.05       | 127.73  | ppb   |
| Barium     | 137-1 | 0.04    | 0.09    | 0.06    | 0.06       | 36.15   | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.02    | 0.03    | 0.02       | 80.44   | ppb   |
| Bismuth    | 209-1 |         |         |         | 99         |         | %     |
| Bismuth    | 209-2 |         |         |         | 96         |         | %     |
| Boron      | 10-1  | 17.98   | 18.76   | 17.38   | 18.04      | 3.85    | ppb   |
| Boron      | 11-1  | 19.00   | 17.69   | 16.80   | 17.83      | 6.23    | ppb   |
| Cadmium    | 111-1 | -0.22   | -0.04   | -0.09   | -0.12      |         | ppb   |
| Cadmium    | 106-1 | -2.82   | -0.78   | -2.01   | -1.87      |         | ppb   |
| Cadmium    | 108-1 | 0.11    | -0.06   | -0.06   | 0.00       |         | ppb   |
| Calcium    | 43-1  | 2.09    | 9.09    | 11.68   | 7.62       | 65.11   | ppb   |
| Calcium    | 44-1  | 8.35    | 6.69    | 3.71    | 6.25       | 37.59   | ppb   |
| Chromium   | 52-2  | -0.02   | 0.06    | 0.03    | 0.02       | 199.02  | ppb   |
| Cobalt     | 59-2  | -0.02   | -0.01   | -0.03   | -0.02      |         | ppb   |
| Copper     | 63-2  | 0.03    | 0.02    | 0.08    | 0.04       | 73.67   | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 106        |         | %     |
| Holmium    | 165-2 |         |         |         | 96         |         | %     |
| Indium     | 115-1 |         |         |         | 93         |         | %     |
| Indium     | 115-2 |         |         |         | 93         |         | %     |
| Iron       | 56-2  | 1.98    | 2.18    | 2.10    | 2.08       | 4.85    | ppb   |
| Iron       | 57-2  | 0.24    | 1.45    | 5.36    | 2.35       | 113.82  | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.14    | 0.23    | 0.06    | 0.14       | 56.64   | ppb   |
| Lead       | 207-1 | 0.11    | 0.11    | 0.12    | 0.11       | 7.31    | ppb   |
| Lead       | 208-1 | 0.12    | 0.16    | 0.11    | 0.13       | 17.01   | ppb   |
| Lithium    | 6-1   |         |         |         | 88         |         | %     |
| Magnesium  | 24-2  | 4.27    | 3.29    | 4.04    | 3.87       | 13.16   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB44               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB44               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:06:36 | DataFile Name :   | 030CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 0.02    | 0.01    | -0.03   | 0.00       |         | ppb   |
| Molybdenum | 94-1  | 0.15    | 0.24    | 0.17    | 0.18       | 26.20   | ppb   |
| Molybdenum | 95-1  | 0.26    | 0.23    | 0.22    | 0.24       | 9.46    | ppb   |
| Molybdenum | 96-1  | 0.24    | 0.27    | 0.15    | 0.22       | 27.04   | ppb   |
| Molybdenum | 97-1  | 0.44    | 0.19    | 0.29    | 0.31       | 41.16   | ppb   |
| Molybdenum | 98-1  | 0.26    | 0.22    | 0.15    | 0.21       | 25.38   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.03   | -0.03   | -0.01   | -0.03      |         | ppb   |
| Phosphorus | 31-2  | -10.89  | -11.01  | -24.17  | -15.36     |         | ppb   |
| Potassium  | 39-2  | 1.91    | 9.20    | 4.82    | 5.31       | 69.15   | ppb   |
| Rhodium    | 103-1 |         |         |         | 91         |         | %     |
| Rhodium    | 103-2 |         |         |         | 93         |         | %     |
| Scandium   | 45-1  |         |         |         | 87         |         | %     |
| Scandium   | 45-2  |         |         |         | 91         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -0.61   | -2.35   | 0.72    | -0.75      |         | ppb   |
| Selenium   | 82-1  | -0.09   | -0.04   | -0.41   | -0.18      |         | ppb   |
| Silicon    | 28-1  | -2.62   | -1.59   | -2.27   | -2.16      |         | ppb   |
| Silver     | 109-1 | 0.04    | 0.04    | 0.02    | 0.03       | 22.43   | ppb   |
| Silver     | 107-1 | 0.06    | 0.04    | 0.03    | 0.04       | 36.90   | ppb   |
| Sodium     | 23-2  | 18.38   | 17.23   | 17.54   | 17.72      | 3.35    | ppb   |
| Strontium  | 86-1  | 0.01    | 0.03    | -0.01   | 0.01       | 191.11  | ppb   |
| Strontium  | 88-1  | 0.02    | 0.01    | 0.01    | 0.01       | 61.33   | ppb   |
| Sulfur     | 34-1  | -944.58 | -688.92 | -827.11 | -820.20    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 105        |         | %     |
| Terbium    | 159-2 |         |         |         | 95         |         | %     |
| Thallium   | 203-1 | 0.09    | 0.10    | 0.06    | 0.08       | 25.30   | ppb   |
| Thallium   | 205-1 | 0.09    | 0.08    | 0.09    | 0.08       | 6.24    | ppb   |
| Thorium    | 232-1 | 0.05    | 0.04    | 0.05    | 0.05       | 8.63    | ppb   |
| Tin        | 118-1 | 0.06    | 0.09    | 0.09    | 0.08       | 23.91   | ppb   |
| Titanium   | 47-1  | 0.18    | 0.03    | 0.00    | 0.07       | 138.60  | ppb   |
| Uranium    | 238-1 | 0.00    | 0.00    | 0.00    | 0.00       |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.02    | 0.01    | 0.01       | 142.95  | ppb   |
| Yttrium    | 89-1  |         |         |         | 101        |         | %     |
| Yttrium    | 89-2  |         |         |         | 94         |         | %     |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB44               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB44               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:06:36 | DataFile Name :   | 030CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.08    | 0.13    | 0.04    | 0.09       | 50.18   | ppb   |
| Zirconium | 90-1 | 0.03    | 0.02    | 0.04    | 0.03       | 47.62   | ppb   |
| Zirconium | 91-1 | 0.03    | 0.01    | 0.01    | 0.02       | 45.19   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3856-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | OUTFALL001-190716   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:10:12 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 14.72    | 20.03    | 15.18    | 16.64      | 17.70   | ppb   |
| Antimony   | 121-1 | 1.23     | 1.11     | 0.91     | 1.08       | 15.00   | ppb   |
| Arsenic    | 75-2  | 4.77     | 5.18     | 4.43     | 4.79       | 7.93    | ppb   |
| Barium     | 135-1 | 187.88   | 180.79   | 183.50   | 184.06     | 1.94    | ppb   |
| Barium     | 137-1 | 185.18   | 181.95   | 179.14   | 182.09     | 1.66    | ppb   |
| Beryllium  | 9-1   | 0.01     | 0.00     | -0.02    | 0.00       |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 103        |         | %     |
| Bismuth    | 209-2 |          |          |          | 94         |         | %     |
| Boron      | 10-1  | 280.79   | 279.75   | 279.04   | 279.86     | 0.31    | ppb   |
| Boron      | 11-1  | 298.31   | 301.05   | 300.25   | 299.87     | 0.47    | ppb   |
| Cadmium    | 111-1 | 0.36     | -0.07    | 0.05     | 0.11       | 198.52  | ppb   |
| Cadmium    | 106-1 | 0.24     | -3.79    | -2.39    | -1.98      |         | ppb   |
| Cadmium    | 108-1 | 0.10     | 0.41     | -0.06    | 0.15       | 157.24  | ppb   |
| Calcium    | 43-1  | 81486.69 | 80672.03 | 82059.53 | 81406.09   | 0.86    | ppb   |
| Calcium    | 44-1  | 81562.00 | 82244.00 | 83354.95 | 82386.98   | 1.10    | ppb   |
| Chromium   | 52-2  | 1.95     | 2.21     | 1.86     | 2.00       | 9.06    | ppb   |
| Cobalt     | 59-2  | 0.09     | 0.16     | 0.12     | 0.12       | 30.52   | ppb   |
| Copper     | 63-2  | 2.69     | 2.67     | 2.55     | 2.63       | 2.79    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 112        |         | %     |
| Holmium    | 165-2 |          |          |          | 97         |         | %     |
| Indium     | 115-1 |          |          |          | 97         |         | %     |
| Indium     | 115-2 |          |          |          | 92         |         | %     |
| Iron       | 56-2  | 5.03     | 5.96     | 6.24     | 5.74       | 10.98   | ppb   |
| Iron       | 57-2  | 313.99   | 325.47   | 332.83   | 324.10     | 2.93    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.79     | 0.95     | 0.92     | 0.88       | 9.33    | ppb   |
| Lead       | 207-1 | 0.76     | 0.68     | 0.75     | 0.73       | 6.35    | ppb   |
| Lead       | 208-1 | 0.86     | 0.78     | 0.77     | 0.80       | 5.78    | ppb   |
| Lithium    | 6-1   |          |          |          | 101        |         | %     |
| Magnesium  | 24-2  | 13257.24 | 13626.63 | 13698.31 | 13527.39   | 1.75    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3856-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | OUTFALL001-190716   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:10:12 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 3.22     | 3.29     | 3.31     | 3.27       | 1.38    | ppb   |
| Molybdenum | 94-1  | 1.02     | 0.94     | 0.86     | 0.94       | 8.48    | ppb   |
| Molybdenum | 95-1  | 1.42     | 1.19     | 1.29     | 1.30       | 8.64    | ppb   |
| Molybdenum | 96-1  | 1.13     | 1.22     | 1.22     | 1.19       | 4.51    | ppb   |
| Molybdenum | 97-1  | 1.21     | 1.39     | 1.29     | 1.29       | 6.92    | ppb   |
| Molybdenum | 98-1  | 1.37     | 1.26     | 1.16     | 1.26       | 8.28    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 2.25     | 2.50     | 2.32     | 2.36       | 5.54    | ppb   |
| Phosphorus | 31-2  | -27.04   | -46.42   | -5.71    | -26.39     |         | ppb   |
| Potassium  | 39-2  | 2741.05  | 2876.66  | 2847.91  | 2821.88    | 2.53    | ppb   |
| Rhodium    | 103-1 |          |          |          | 92         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 90         |         | %     |
| Scandium   | 45-2  |          |          |          | 95         |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 2.58     | 0.86       | 173.21  | ppb   |
| Selenium   | 78-2  | -1.07    | 0.64     | -0.64    | -0.35      |         | ppb   |
| Selenium   | 82-1  | 0.28     | 1.22     | 1.13     | 0.88       | 59.56   | ppb   |
| Silicon    | 28-1  | 9166.65  | 9194.39  | 9213.00  | 9191.34    | 0.25    | ppb   |
| Silver     | 109-1 | 0.43     | 0.38     | 0.34     | 0.38       | 12.00   | ppb   |
| Silver     | 107-1 | 0.41     | 0.45     | 0.33     | 0.40       | 16.57   | ppb   |
| Sodium     | 23-2  | 48726.66 | 50277.44 | 50867.08 | 49957.06   | 2.21    | ppb   |
| Strontium  | 86-1  | 481.15   | 474.88   | 470.93   | 475.65     | 1.08    | ppb   |
| Strontium  | 88-1  | 494.47   | 489.59   | 490.69   | 491.58     | 0.52    | ppb   |
| Sulfur     | 34-1  | 9864.85  | 9493.53  | 9194.87  | 9517.75    | 3.53    | ppb   |
| Terbium    | 159-1 |          |          |          | 111        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 0.43     | 0.30     | 0.21     | 0.32       | 34.90   | ppb   |
| Thallium   | 205-1 | 0.33     | 0.27     | 0.21     | 0.27       | 21.83   | ppb   |
| Thorium    | 232-1 | 0.04     | 0.03     | 0.04     | 0.04       | 16.89   | ppb   |
| Tin        | 118-1 | 1.56     | 1.50     | 1.65     | 1.57       | 4.96    | ppb   |
| Titanium   | 47-1  | 0.98     | 0.92     | 0.87     | 0.92       | 5.96    | ppb   |
| Uranium    | 238-1 | 0.38     | 0.39     | 0.38     | 0.38       | 1.48    | ppb   |
| Vanadium   | 51-2  | 0.86     | 0.89     | 0.77     | 0.84       | 7.17    | ppb   |
| Yttrium    | 89-1  |          |          |          | 106        |         | %     |
| Yttrium    | 89-2  |          |          |          | 95         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3856-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | OUTFALL001-190716   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:10:12 | DataFile Name :   | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 13.84   | 15.38   | 16.12   | 15.11      | 7.71    | ppb   |
| Zirconium | 90-1 | 0.07    | 0.06    | 0.05    | 0.06       | 14.97   | ppb   |
| Zirconium | 91-1 | 0.09    | 0.05    | 0.05    | 0.06       | 37.83   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3884-13            | Instrumnet Name : | P7        |
| Client Sample ID :      | FL-0629             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:13:48 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 9.47     | 11.08    | 12.13    | 10.89      | 12.26   | ppb   |
| Antimony   | 121-1 | 0.77     | 0.93     | 0.83     | 0.84       | 9.30    | ppb   |
| Arsenic    | 75-2  | 26.66    | 26.00    | 27.78    | 26.81      | 3.35    | ppb   |
| Barium     | 135-1 | 17.01    | 16.94    | 17.95    | 17.30      | 3.27    | ppb   |
| Barium     | 137-1 | 17.64    | 17.32    | 18.49    | 17.81      | 3.40    | ppb   |
| Beryllium  | 9-1   | -0.02    | -0.02    | 0.02     | -0.01      |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 106        |         | %     |
| Bismuth    | 209-2 |          |          |          | 94         |         | %     |
| Boron      | 10-1  | 31.02    | 29.89    | 29.79    | 30.23      | 2.25    | ppb   |
| Boron      | 11-1  | 35.10    | 32.19    | 32.19    | 33.16      | 5.07    | ppb   |
| Cadmium    | 111-1 | 0.17     | -0.08    | 0.07     | 0.05       | 250.75  | ppb   |
| Cadmium    | 106-1 | -1.59    | -4.68    | -3.37    | -3.21      |         | ppb   |
| Cadmium    | 108-1 | 0.24     | 0.39     | -0.06    | 0.19       | 118.80  | ppb   |
| Calcium    | 43-1  | 51263.42 | 51030.98 | 51361.77 | 51218.72   | 0.33    | ppb   |
| Calcium    | 44-1  | 50892.96 | 51676.84 | 52247.58 | 51605.79   | 1.32    | ppb   |
| Chromium   | 52-2  | 1.30     | 1.23     | 1.14     | 1.22       | 6.38    | ppb   |
| Cobalt     | 59-2  | 0.16     | 0.11     | 0.06     | 0.11       | 48.72   | ppb   |
| Copper     | 63-2  | 2.42     | 2.63     | 2.27     | 2.44       | 7.32    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 115        |         | %     |
| Holmium    | 165-2 |          |          |          | 97         |         | %     |
| Indium     | 115-1 |          |          |          | 98         |         | %     |
| Indium     | 115-2 |          |          |          | 91         |         | %     |
| Iron       | 56-2  | 4492.50  | 4542.91  | 4515.64  | 4517.02    | 0.56    | ppb   |
| Iron       | 57-2  | 4673.77  | 4739.22  | 4730.29  | 4714.43    | 0.75    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.64     | 0.60     | 0.46     | 0.57       | 16.33   | ppb   |
| Lead       | 207-1 | 0.62     | 0.48     | 0.57     | 0.56       | 12.46   | ppb   |
| Lead       | 208-1 | 0.63     | 0.58     | 0.53     | 0.58       | 8.74    | ppb   |
| Lithium    | 6-1   |          |          |          | 99         |         | %     |
| Magnesium  | 24-2  | 9562.39  | 9537.97  | 9581.10  | 9560.49    | 0.23    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3884-13            | Instrumnet Name : | P7        |
| Client Sample ID :      | FL-0629             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:13:48 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 392.40   | 395.40   | 393.16   | 393.65     | 0.40    | ppb   |
| Molybdenum | 94-1  | 0.36     | 0.55     | 0.49     | 0.47       | 20.95   | ppb   |
| Molybdenum | 95-1  | 0.73     | 0.60     | 0.58     | 0.64       | 12.65   | ppb   |
| Molybdenum | 96-1  | 0.58     | 0.61     | 0.47     | 0.55       | 13.33   | ppb   |
| Molybdenum | 97-1  | 0.65     | 0.75     | 0.63     | 0.68       | 8.98    | ppb   |
| Molybdenum | 98-1  | 0.58     | 0.59     | 0.59     | 0.58       | 0.99    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 0.34     | 0.39     | 0.40     | 0.38       | 8.55    | ppb   |
| Phosphorus | 31-2  | 40.61    | 75.69    | -6.02    | 36.76      | 111.51  | ppb   |
| Potassium  | 39-2  | 6240.04  | 6192.70  | 6266.60  | 6233.11    | 0.60    | ppb   |
| Rhodium    | 103-1 |          |          |          | 94         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 90         |         | %     |
| Scandium   | 45-2  |          |          |          | 95         |         | %     |
| Selenium   | 77-2  | 0.00     | 2.59     | 5.26     | 2.62       | 100.50  | ppb   |
| Selenium   | 78-2  | -1.91    | 1.53     | -0.14    | -0.17      |         | ppb   |
| Selenium   | 82-1  | 0.02     | 0.37     | -0.44    | -0.02      |         | ppb   |
| Silicon    | 28-1  | 4616.73  | 4702.63  | 4745.86  | 4688.41    | 1.40    | ppb   |
| Silver     | 109-1 | 0.23     | 0.20     | 0.17     | 0.20       | 14.57   | ppb   |
| Silver     | 107-1 | 0.25     | 0.27     | 0.13     | 0.22       | 34.24   | ppb   |
| Sodium     | 23-2  | 36294.10 | 36360.03 | 36445.32 | 36366.48   | 0.21    | ppb   |
| Strontium  | 86-1  | 201.38   | 198.71   | 193.24   | 197.78     | 2.10    | ppb   |
| Strontium  | 88-1  | 197.40   | 194.53   | 191.90   | 194.61     | 1.41    | ppb   |
| Sulfur     | 34-1  | -290.69  | -206.32  | -219.26  | -238.76    |         | ppb   |
| Terbium    | 159-1 |          |          |          | 115        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 0.00     | 0.02     | 0.00     | 0.00       | 404.61  | ppb   |
| Thallium   | 205-1 | 0.02     | 0.03     | 0.01     | 0.02       | 45.95   | ppb   |
| Thorium    | 232-1 | 0.02     | 0.02     | 0.03     | 0.02       | 23.34   | ppb   |
| Tin        | 118-1 | 1.22     | 1.37     | 1.29     | 1.29       | 6.01    | ppb   |
| Titanium   | 47-1  | 1.08     | 1.12     | 1.21     | 1.14       | 5.88    | ppb   |
| Uranium    | 238-1 | 0.09     | 0.08     | 0.10     | 0.09       | 13.20   | ppb   |
| Vanadium   | 51-2  | 0.49     | 0.47     | 0.52     | 0.49       | 4.85    | ppb   |
| Yttrium    | 89-1  |          |          |          | 108        |         | %     |
| Yttrium    | 89-2  |          |          |          | 94         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3884-13            | Instrumnet Name : | P7        |
| Client Sample ID :      | FL-0629             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:13:48 | DataFile Name :   | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 25.52   | 25.30   | 25.40   | 25.40      | 0.44    | ppb   |
| Zirconium | 90-1 | 0.02    | 0.05    | 0.02    | 0.03       | 65.92   | ppb   |
| Zirconium | 91-1 | -0.02   | 0.02    | 0.02    | 0.01       | 229.98  | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:17:24 | DataFile Name :   | 033SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 122.95   | 112.83   | 113.76   | 116.51     | 4.80    | ppb   |
| Antimony   | 121-1 | 0.71     | 0.87     | 0.70     | 0.76       | 12.60   | ppb   |
| Arsenic    | 75-2  | 1.74     | 1.46     | 1.56     | 1.59       | 8.82    | ppb   |
| Barium     | 135-1 | 45.21    | 43.65    | 39.79    | 42.89      | 6.51    | ppb   |
| Barium     | 137-1 | 43.51    | 41.66    | 43.75    | 42.97      | 2.66    | ppb   |
| Beryllium  | 9-1   | 0.01     | 0.00     | 0.01     | 0.01       | 63.86   | ppb   |
| Bismuth    | 209-1 |          |          |          | 108        |         | %     |
| Bismuth    | 209-2 |          |          |          | 96         |         | %     |
| Boron      | 10-1  | 20.14    | 23.19    | 19.96    | 21.10      | 8.61    | ppb   |
| Boron      | 11-1  | 23.37    | 23.52    | 23.02    | 23.30      | 1.11    | ppb   |
| Cadmium    | 111-1 | -0.32    | -0.33    | -0.12    | -0.26      |         | ppb   |
| Cadmium    | 106-1 | -4.88    | -4.69    | -1.84    | -3.80      |         | ppb   |
| Cadmium    | 108-1 | 0.09     | -0.06    | 0.09     | 0.04       | 205.83  | ppb   |
| Calcium    | 43-1  | 89731.08 | 88895.02 | 89537.06 | 89387.72   | 0.49    | ppb   |
| Calcium    | 44-1  | 90339.69 | 91053.63 | 91567.66 | 90986.99   | 0.68    | ppb   |
| Chromium   | 52-2  | 1.20     | 1.26     | 1.40     | 1.29       | 7.82    | ppb   |
| Cobalt     | 59-2  | 0.87     | 0.75     | 0.96     | 0.86       | 12.61   | ppb   |
| Copper     | 63-2  | 2.91     | 2.98     | 2.93     | 2.94       | 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 |          |          |          | 116        |         | %     |
| Holmium    | 165-2 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 99         |         | %     |
| Indium     | 115-2 |          |          |          | 92         |         | %     |
| Iron       | 56-2  | 1272.45  | 1259.00  | 1265.56  | 1265.67    | 0.53    | ppb   |
| Iron       | 57-2  | 1716.23  | 1603.43  | 1577.76  | 1632.47    | 4.51    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.66     | 0.61     | 0.56     | 0.61       | 8.03    | ppb   |
| Lead       | 207-1 | 0.51     | 0.56     | 0.54     | 0.54       | 4.59    | ppb   |
| Lead       | 208-1 | 0.55     | 0.56     | 0.53     | 0.55       | 2.83    | ppb   |
| Lithium    | 6-1   |          |          |          | 95         |         | %     |
| Magnesium  | 24-2  | 11453.34 | 11314.29 | 11246.25 | 11337.96   | 0.93    | ppb   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-01 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0619 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:17:24 DataFile Name : 033SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 2554.56 | 2540.62 | 2550.84 | 2548.68    | 0.28    | ppb   |
| Molybdenum | 94-1  | 0.23    | 0.38    | 0.29    | 0.30       | 26.53   | ppb   |
| Molybdenum | 95-1  | 0.24    | 0.28    | 0.18    | 0.23       | 22.98   | ppb   |
| Molybdenum | 96-1  | 0.25    | 0.21    | 0.29    | 0.25       | 15.42   | ppb   |
| Molybdenum | 97-1  | 0.26    | 0.13    | 0.27    | 0.22       | 35.35   | ppb   |
| Molybdenum | 98-1  | 0.19    | 0.28    | 0.21    | 0.23       | 21.14   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.78    | 1.32    | 1.38    | 1.50       | 16.81   | ppb   |
| Phosphorus | 31-2  | 69.62   | 94.84   | 101.84  | 88.77      | 19.09   | ppb   |
| Potassium  | 39-2  | 658.44  | 660.69  | 661.59  | 660.24     | 0.25    | ppb   |
| Rhodium    | 103-1 |         |         |         | 94         |         | %     |
| Rhodium    | 103-2 |         |         |         | 95         |         | %     |
| Scandium   | 45-1  |         |         |         | 89         |         | %     |
| Scandium   | 45-2  |         |         |         | 95         |         | %     |
| Selenium   | 77-2  | 2.58    | 2.54    | 0.00    | 1.70       | 86.61   | ppb   |
| Selenium   | 78-2  | -2.36   | -1.12   | -2.37   | -1.95      |         | ppb   |
| Selenium   | 82-1  | -0.32   | 0.56    | -0.42   | -0.06      |         | ppb   |
| Silicon    | 28-1  | 4381.28 | 4394.64 | 4415.42 | 4397.12    | 0.39    | ppb   |
| Silver     | 109-1 | 0.11    | 0.19    | 0.12    | 0.14       | 32.39   | ppb   |
| Silver     | 107-1 | 0.10    | 0.11    | 0.12    | 0.11       | 8.71    | ppb   |
| Sodium     | 23-2  | 2794.15 | 2826.69 | 2783.66 | 2801.50    | 0.80    | ppb   |
| Strontium  | 86-1  | 490.97  | 480.41  | 482.59  | 484.65     | 1.15    | ppb   |
| Strontium  | 88-1  | 498.89  | 502.53  | 502.31  | 501.24     | 0.41    | ppb   |
| Sulfur     | 34-1  | 700.82  | 700.09  | 658.01  | 686.31     | 3.57    | ppb   |
| Terbium    | 159-1 |         |         |         | 116        |         | %     |
| Terbium    | 159-2 |         |         |         | 97         |         | %     |
| Thallium   | 203-1 | -0.01   | 0.01    | 0.01    | 0.00       | 547.33  | ppb   |
| Thallium   | 205-1 | -0.01   | -0.01   | -0.02   | -0.01      |         | ppb   |
| Thorium    | 232-1 | 0.02    | 0.02    | 0.02    | 0.02       | 8.63    | ppb   |
| Tin        | 118-1 | 1.16    | 1.17    | 1.30    | 1.21       | 6.48    | ppb   |
| Titanium   | 47-1  | 2.51    | 3.03    | 3.58    | 3.04       | 17.68   | ppb   |
| Uranium    | 238-1 | 0.30    | 0.31    | 0.33    | 0.31       | 4.25    | ppb   |
| Vanadium   | 51-2  | 0.59    | 0.55    | 0.59    | 0.58       | 3.62    | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:17:24 | DataFile Name :   | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 18.28   | 17.60   | 19.15   | 18.35      | 4.24    | ppb   |
| Zirconium | 90-1 | 0.13    | 0.14    | 0.13    | 0.13       | 4.61    | ppb   |
| Zirconium | 91-1 | 0.07    | 0.10    | 0.10    | 0.09       | 16.57   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:21:01 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 168.65   | 170.03   | 163.36   | 167.35     | 2.10    | ppb   |
| Antimony   | 121-1 | 1.89     | 1.87     | 1.83     | 1.87       | 1.58    | ppb   |
| Arsenic    | 75-2  | 1.84     | 1.96     | 1.39     | 1.73       | 17.53   | ppb   |
| Barium     | 135-1 | 45.09    | 43.92    | 45.28    | 44.76      | 1.64    | ppb   |
| Barium     | 137-1 | 45.53    | 43.62    | 44.94    | 44.70      | 2.19    | ppb   |
| Beryllium  | 9-1   | 0.02     | 0.01     | -0.03    | 0.00       | 2646.26 | ppb   |
| Bismuth    | 209-1 |          |          |          | 108        |         | %     |
| Bismuth    | 209-2 |          |          |          | 96         |         | %     |
| Boron      | 10-1  | 26.75    | 27.72    | 29.91    | 28.13      | 5.75    | ppb   |
| Boron      | 11-1  | 29.81    | 28.08    | 29.18    | 29.03      | 3.01    | ppb   |
| Cadmium    | 111-1 | -0.25    | 0.16     | -0.25    | -0.12      |         | ppb   |
| Cadmium    | 106-1 | -4.09    | 0.54     | -3.32    | -2.29      |         | ppb   |
| Cadmium    | 108-1 | 0.24     | 0.09     | 0.24     | 0.19       | 44.93   | ppb   |
| Calcium    | 43-1  | 88404.94 | 90514.86 | 89237.48 | 89385.76   | 1.19    | ppb   |
| Calcium    | 44-1  | 90496.32 | 91996.38 | 91711.91 | 91401.54   | 0.87    | ppb   |
| Chromium   | 52-2  | 1.61     | 1.48     | 1.48     | 1.52       | 4.75    | ppb   |
| Cobalt     | 59-2  | 1.09     | 1.03     | 1.05     | 1.06       | 3.02    | ppb   |
| Copper     | 63-2  | 4.63     | 4.69     | 4.59     | 4.64       | 1.06    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 116        |         | %     |
| Holmium    | 165-2 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 98         |         | %     |
| Indium     | 115-2 |          |          |          | 93         |         | %     |
| Iron       | 56-2  | 1334.63  | 1301.47  | 1297.44  | 1311.18    | 1.56    | ppb   |
| Iron       | 57-2  | 1746.82  | 1629.36  | 1589.08  | 1655.08    | 4.95    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.84     | 0.73     | 0.75     | 0.77       | 8.06    | ppb   |
| Lead       | 207-1 | 0.69     | 0.63     | 0.65     | 0.66       | 4.78    | ppb   |
| Lead       | 208-1 | 0.79     | 0.71     | 0.70     | 0.73       | 6.64    | ppb   |
| Lithium    | 6-1   |          |          |          | 92         |         | %     |
| Magnesium  | 24-2  | 11223.22 | 11045.63 | 11010.84 | 11093.23   | 1.03    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:21:01 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 2746.73 | 2701.92 | 2703.15 | 2717.27    | 0.94    | ppb   |
| Molybdenum | 94-1  | 0.47    | 0.42    | 0.43    | 0.44       | 6.38    | ppb   |
| Molybdenum | 95-1  | 0.36    | 0.23    | 0.30    | 0.30       | 21.61   | ppb   |
| Molybdenum | 96-1  | 0.26    | 0.34    | 0.31    | 0.30       | 13.95   | ppb   |
| Molybdenum | 97-1  | 0.35    | 0.29    | 0.18    | 0.27       | 32.70   | ppb   |
| Molybdenum | 98-1  | 0.23    | 0.19    | 0.24    | 0.22       | 12.89   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.85    | 1.85    | 2.22    | 1.98       | 10.80   | ppb   |
| Phosphorus | 31-2  | 118.25  | 129.73  | 149.14  | 132.37     | 11.80   | ppb   |
| Potassium  | 39-2  | 1091.55 | 1072.80 | 1051.27 | 1071.87    | 1.88    | ppb   |
| Rhodium    | 103-1 |         |         |         | 94         |         | %     |
| Rhodium    | 103-2 |         |         |         | 95         |         | %     |
| Scandium   | 45-1  |         |         |         | 88         |         | %     |
| Scandium   | 45-2  |         |         |         | 94         |         | %     |
| Selenium   | 77-2  | 0.00    | 5.18    | 5.10    | 3.43       | 86.61   | ppb   |
| Selenium   | 78-2  | -2.35   | -1.07   | -0.26   | -1.22      |         | ppb   |
| Selenium   | 82-1  | -0.22   | -0.87   | -1.15   | -0.75      |         | ppb   |
| Silicon    | 28-1  | 4377.21 | 4415.05 | 4418.91 | 4403.72    | 0.52    | ppb   |
| Silver     | 109-1 | 0.18    | 0.14    | 0.14    | 0.15       | 15.79   | ppb   |
| Silver     | 107-1 | 0.11    | 0.12    | 0.10    | 0.11       | 7.43    | ppb   |
| Sodium     | 23-2  | 2895.88 | 2820.40 | 2817.02 | 2844.43    | 1.57    | ppb   |
| Strontium  | 86-1  | 488.25  | 480.64  | 473.44  | 480.78     | 1.54    | ppb   |
| Strontium  | 88-1  | 501.60  | 500.07  | 500.36  | 500.68     | 0.16    | ppb   |
| Sulfur     | 34-1  | 738.37  | 871.87  | 695.05  | 768.43     | 11.99   | ppb   |
| Terbium    | 159-1 |         |         |         | 115        |         | %     |
| Terbium    | 159-2 |         |         |         | 97         |         | %     |
| Thallium   | 203-1 | 0.00    | -0.01   | 0.03    | 0.01       | 270.31  | ppb   |
| Thallium   | 205-1 | 0.01    | 0.00    | 0.01    | 0.01       | 84.39   | ppb   |
| Thorium    | 232-1 | 0.03    | 0.03    | 0.02    | 0.03       | 22.28   | ppb   |
| Tin        | 118-1 | 1.33    | 1.28    | 1.19    | 1.27       | 5.68    | ppb   |
| Titanium   | 47-1  | 4.17    | 4.01    | 4.07    | 4.09       | 2.00    | ppb   |
| Uranium    | 238-1 | 0.25    | 0.32    | 0.33    | 0.30       | 15.49   | ppb   |
| Vanadium   | 51-2  | 0.59    | 0.67    | 0.66    | 0.64       | 6.65    | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 95         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:21:01 | DataFile Name :   | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 28.51   | 29.37   | 29.19   | 29.02      | 1.56    | ppb   |
| Zirconium | 90-1 | 0.16    | 0.14    | 0.11    | 0.14       | 18.43   | ppb   |
| Zirconium | 91-1 | 0.14    | 0.23    | 0.16    | 0.18       | 25.75   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:24:38 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 121.29   | 124.69   | 128.46   | 124.81     | 2.87    | ppb   |
| Antimony   | 121-1 | 0.79     | 0.77     | 0.76     | 0.77       | 1.70    | ppb   |
| Arsenic    | 75-2  | 1.06     | 1.14     | 1.02     | 1.07       | 5.37    | ppb   |
| Barium     | 135-1 | 26.01    | 24.53    | 24.60    | 25.05      | 3.34    | ppb   |
| Barium     | 137-1 | 26.12    | 26.24    | 24.73    | 25.70      | 3.27    | ppb   |
| Beryllium  | 9-1   | 0.01     | -0.01    | -0.02    | -0.01      |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 111        |         | %     |
| Bismuth    | 209-2 |          |          |          | 96         |         | %     |
| Boron      | 10-1  | 13.36    | 13.63    | 16.35    | 14.45      | 11.44   | ppb   |
| Boron      | 11-1  | 15.08    | 13.69    | 15.56    | 14.78      | 6.58    | ppb   |
| Cadmium    | 111-1 | -0.09    | 0.02     | -0.22    | -0.10      |         | ppb   |
| Cadmium    | 106-1 | -1.76    | -0.28    | -2.85    | -1.63      |         | ppb   |
| Cadmium    | 108-1 | -0.06    | -0.06    | -0.06    | -0.06      |         | ppb   |
| Calcium    | 43-1  | 60098.69 | 60455.10 | 59915.35 | 60156.38   | 0.46    | ppb   |
| Calcium    | 44-1  | 61074.34 | 61461.57 | 61751.81 | 61429.24   | 0.55    | ppb   |
| Chromium   | 52-2  | 1.26     | 1.39     | 1.32     | 1.32       | 5.07    | ppb   |
| Cobalt     | 59-2  | 0.34     | 0.40     | 0.41     | 0.38       | 10.46   | ppb   |
| Copper     | 63-2  | 2.07     | 2.34     | 2.72     | 2.38       | 13.64   | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 118        |         | %     |
| Holmium    | 165-2 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 100        |         | %     |
| Indium     | 115-2 |          |          |          | 92         |         | %     |
| Iron       | 56-2  | 736.60   | 748.81   | 739.38   | 741.60     | 0.86    | ppb   |
| Iron       | 57-2  | 957.74   | 975.16   | 975.71   | 969.53     | 1.05    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.61     | 0.55     | 0.51     | 0.56       | 9.10    | ppb   |
| Lead       | 207-1 | 0.54     | 0.50     | 0.47     | 0.50       | 7.15    | ppb   |
| Lead       | 208-1 | 0.54     | 0.53     | 0.52     | 0.53       | 1.88    | ppb   |
| Lithium    | 6-1   |          |          |          | 91         |         | %     |
| Magnesium  | 24-2  | 5466.31  | 5568.49  | 5469.81  | 5501.54    | 1.05    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:24:38 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 479.98  | 492.59  | 485.01  | 485.86     | 1.31    | ppb   |
| Molybdenum | 94-1  | 0.32    | 0.44    | 0.32    | 0.36       | 20.04   | ppb   |
| Molybdenum | 95-1  | 0.26    | 0.23    | 0.23    | 0.24       | 7.50    | ppb   |
| Molybdenum | 96-1  | 0.18    | 0.34    | 0.22    | 0.25       | 34.13   | ppb   |
| Molybdenum | 97-1  | 0.19    | 0.26    | 0.41    | 0.29       | 38.20   | ppb   |
| Molybdenum | 98-1  | 0.24    | 0.22    | 0.22    | 0.23       | 5.26    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.99    | 1.17    | 1.05    | 1.07       | 8.32    | ppb   |
| Phosphorus | 31-2  | 49.01   | 1.88    | 70.65   | 40.51      | 86.79   | ppb   |
| Potassium  | 39-2  | 3814.12 | 3874.26 | 3826.34 | 3838.24    | 0.83    | ppb   |
| Rhodium    | 103-1 |         |         |         | 95         |         | %     |
| Rhodium    | 103-2 |         |         |         | 96         |         | %     |
| Scandium   | 45-1  |         |         |         | 89         |         | %     |
| Scandium   | 45-2  |         |         |         | 93         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 2.59    | 0.86       | 173.21  | ppb   |
| Selenium   | 78-2  | -0.67   | -1.95   | -0.64   | -1.09      |         | ppb   |
| Selenium   | 82-1  | -1.14   | 0.01    | -0.35   | -0.50      |         | ppb   |
| Silicon    | 28-1  | 1039.77 | 1040.77 | 1035.98 | 1038.84    | 0.24    | ppb   |
| Silver     | 109-1 | 0.05    | 0.07    | 0.06    | 0.06       | 9.64    | ppb   |
| Silver     | 107-1 | 0.08    | 0.09    | 0.09    | 0.08       | 3.64    | ppb   |
| Sodium     | 23-2  | 4627.09 | 4717.84 | 4651.52 | 4665.48    | 1.01    | ppb   |
| Strontium  | 86-1  | 278.13  | 273.07  | 265.72  | 272.31     | 2.29    | ppb   |
| Strontium  | 88-1  | 286.19  | 290.86  | 284.24  | 287.10     | 1.19    | ppb   |
| Sulfur     | 34-1  | 1299.44 | 1407.21 | 1225.92 | 1310.86    | 6.96    | ppb   |
| Terbium    | 159-1 |         |         |         | 116        |         | %     |
| Terbium    | 159-2 |         |         |         | 97         |         | %     |
| Thallium   | 203-1 | -0.02   | 0.00    | -0.02   | -0.02      |         | ppb   |
| Thallium   | 205-1 | -0.03   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Thorium    | 232-1 | 0.03    | 0.02    | 0.02    | 0.02       | 24.51   | ppb   |
| Tin        | 118-1 | 0.84    | 0.94    | 0.91    | 0.90       | 5.55    | ppb   |
| Titanium   | 47-1  | 1.65    | 2.22    | 2.10    | 1.99       | 14.91   | ppb   |
| Uranium    | 238-1 | 0.31    | 0.31    | 0.33    | 0.32       | 4.43    | ppb   |
| Vanadium   | 51-2  | 0.67    | 0.70    | 0.70    | 0.69       | 2.35    | ppb   |
| Yttrium    | 89-1  |         |         |         | 109        |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:24:38 | DataFile Name :   | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 10.91   | 11.36   | 10.87   | 11.05      | 2.44    | ppb   |
| Zirconium | 90-1 | 0.14    | 0.15    | 0.13    | 0.14       | 7.75    | ppb   |
| Zirconium | 91-1 | 0.13    | 0.16    | 0.21    | 0.17       | 25.54   | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620DUP     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:28:14 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 116.96   | 122.20   | 137.20   | 125.45     | 8.37    | ppb   |
| Antimony   | 121-1 | 0.73     | 0.79     | 0.82     | 0.78       | 6.33    | ppb   |
| Arsenic    | 75-2  | 1.26     | 1.21     | 1.62     | 1.36       | 16.64   | ppb   |
| Barium     | 135-1 | 25.14    | 26.24    | 22.68    | 24.69      | 7.38    | ppb   |
| Barium     | 137-1 | 25.23    | 25.01    | 24.99    | 25.08      | 0.55    | ppb   |
| Beryllium  | 9-1   | 0.02     | 0.01     | -0.01    | 0.01       | 181.42  | ppb   |
| Bismuth    | 209-1 |          |          |          | 108        |         | %     |
| Bismuth    | 209-2 |          |          |          | 93         |         | %     |
| Boron      | 10-1  | 12.17    | 14.54    | 14.53    | 13.75      | 9.94    | ppb   |
| Boron      | 11-1  | 14.21    | 14.30    | 14.48    | 14.33      | 0.96    | ppb   |
| Cadmium    | 111-1 | -0.17    | -0.20    | -0.38    | -0.25      |         | ppb   |
| Cadmium    | 106-1 | -2.11    | -2.54    | -4.18    | -2.94      |         | ppb   |
| Cadmium    | 108-1 | 0.09     | -0.06    | 0.24     | 0.09       | 160.99  | ppb   |
| Calcium    | 43-1  | 60867.65 | 62747.69 | 60654.84 | 61423.39   | 1.88    | ppb   |
| Calcium    | 44-1  | 61674.81 | 64155.31 | 62013.04 | 62614.39   | 2.15    | ppb   |
| Chromium   | 52-2  | 1.14     | 1.42     | 1.35     | 1.30       | 11.21   | ppb   |
| Cobalt     | 59-2  | 0.32     | 0.30     | 0.38     | 0.33       | 12.20   | ppb   |
| Copper     | 63-2  | 2.28     | 2.15     | 2.29     | 2.24       | 3.46    | 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 |          |          |          | 114        |         | %     |
| Holmium    | 165-2 |          |          |          | 94         |         | %     |
| Indium     | 115-1 |          |          |          | 97         |         | %     |
| Indium     | 115-2 |          |          |          | 89         |         | %     |
| Iron       | 56-2  | 718.62   | 728.98   | 767.82   | 738.47     | 3.51    | ppb   |
| Iron       | 57-2  | 953.89   | 978.11   | 992.61   | 974.87     | 2.01    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.43     | 0.56     | 0.37     | 0.45       | 21.30   | ppb   |
| Lead       | 207-1 | 0.52     | 0.56     | 0.31     | 0.46       | 28.96   | ppb   |
| Lead       | 208-1 | 0.48     | 0.52     | 0.42     | 0.47       | 10.94   | ppb   |
| Lithium    | 6-1   |          |          |          | 89         |         | %     |
| Magnesium  | 24-2  | 5449.43  | 5500.45  | 5828.93  | 5592.93    | 3.68    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620DUP     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:28:14 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 478.66  | 485.16  | 522.17  | 495.33     | 4.74    | ppb   |
| Molybdenum | 94-1  | 0.39    | 0.51    | 0.30    | 0.40       | 26.77   | ppb   |
| Molybdenum | 95-1  | 0.25    | 0.33    | 0.20    | 0.26       | 25.03   | ppb   |
| Molybdenum | 96-1  | 0.21    | 0.20    | 0.38    | 0.26       | 37.45   | ppb   |
| Molybdenum | 97-1  | 0.29    | 0.20    | 0.30    | 0.27       | 21.17   | ppb   |
| Molybdenum | 98-1  | 0.29    | 0.27    | 0.29    | 0.28       | 3.32    | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 1.06    | 0.90    | 0.78    | 0.91       | 15.16   | ppb   |
| Phosphorus | 31-2  | 57.83   | 30.61   | 58.15   | 48.86      | 32.35   | ppb   |
| Potassium  | 39-2  | 3822.38 | 3827.81 | 4129.87 | 3926.69    | 4.48    | ppb   |
| Rhodium    | 103-1 |         |         |         | 93         |         | %     |
| Rhodium    | 103-2 |         |         |         | 92         |         | %     |
| Scandium   | 45-1  |         |         |         | 86         |         | %     |
| Scandium   | 45-2  |         |         |         | 90         |         | %     |
| Selenium   | 77-2  | 0.00    | 2.61    | 2.80    | 1.81       | 86.76   | ppb   |
| Selenium   | 78-2  | -1.02   | -0.60   | -2.21   | -1.28      |         | ppb   |
| Selenium   | 82-1  | -0.71   | -0.31   | -0.32   | -0.45      |         | ppb   |
| Silicon    | 28-1  | 1057.18 | 1076.46 | 1031.39 | 1055.01    | 2.14    | ppb   |
| Silver     | 109-1 | 0.08    | 0.06    | 0.05    | 0.06       | 18.88   | ppb   |
| Silver     | 107-1 | 0.12    | 0.15    | 0.06    | 0.11       | 42.45   | ppb   |
| Sodium     | 23-2  | 4650.30 | 4688.42 | 4960.07 | 4766.26    | 3.54    | ppb   |
| Strontium  | 86-1  | 278.89  | 285.40  | 270.96  | 278.42     | 2.60    | ppb   |
| Strontium  | 88-1  | 291.24  | 298.42  | 286.65  | 292.10     | 2.03    | ppb   |
| Sulfur     | 34-1  | 1730.88 | 1946.10 | 1544.50 | 1740.49    | 11.55   | ppb   |
| Terbium    | 159-1 |         |         |         | 114        |         | %     |
| Terbium    | 159-2 |         |         |         | 93         |         | %     |
| Thallium   | 203-1 | -0.02   | 0.00    | -0.02   | -0.01      |         | ppb   |
| Thallium   | 205-1 | -0.02   | -0.01   | -0.03   | -0.02      |         | ppb   |
| Thorium    | 232-1 | 0.01    | 0.02    | 0.02    | 0.02       | 41.64   | ppb   |
| Tin        | 118-1 | 0.94    | 0.86    | 0.91    | 0.91       | 4.28    | ppb   |
| Titanium   | 47-1  | 1.75    | 2.36    | 1.65    | 1.92       | 19.92   | ppb   |
| Uranium    | 238-1 | 0.32    | 0.32    | 0.32    | 0.32       | 1.00    | ppb   |
| Vanadium   | 51-2  | 0.80    | 0.78    | 0.83    | 0.80       | 2.90    | ppb   |
| Yttrium    | 89-1  |         |         |         | 107        |         | %     |
| Yttrium    | 89-2  |         |         |         | 91         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620DUP     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:28:14 | DataFile Name :   | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 10.23   | 12.06   | 10.31   | 10.87      | 9.51    | ppb   |
| Zirconium | 90-1 | 0.16    | 0.17    | 0.17    | 0.17       | 3.18    | ppb   |
| Zirconium | 91-1 | 0.18    | 0.22    | 0.19    | 0.20       | 11.92   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620L       | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:31:51 | DataFile Name :   | 037SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 22.33    | 20.11    | 28.65    | 23.69      | 18.70   | ppb   |
| Antimony   | 121-1 | 0.25     | 0.24     | 0.20     | 0.23       | 10.16   | ppb   |
| Arsenic    | 75-2  | 0.21     | 0.21     | 0.17     | 0.20       | 12.98   | ppb   |
| Barium     | 135-1 | 4.80     | 4.70     | 4.83     | 4.78       | 1.34    | ppb   |
| Barium     | 137-1 | 5.13     | 5.48     | 5.34     | 5.32       | 3.29    | ppb   |
| Beryllium  | 9-1   | 0.01     | 0.04     | -0.01    | 0.01       | 175.94  | ppb   |
| Bismuth    | 209-1 |          |          |          | 110        |         | %     |
| Bismuth    | 209-2 |          |          |          | 98         |         | %     |
| Boron      | 10-1  | 4.43     | 5.53     | 4.40     | 4.79       | 13.46   | ppb   |
| Boron      | 11-1  | 5.12     | 6.06     | 5.40     | 5.53       | 8.74    | ppb   |
| Cadmium    | 111-1 | -0.01    | -0.21    | -0.39    | -0.20      |         | ppb   |
| Cadmium    | 106-1 | 0.22     | -2.74    | -4.50    | -2.34      |         | ppb   |
| Cadmium    | 108-1 | 0.09     | 0.24     | -0.06    | 0.09       | 163.27  | ppb   |
| Calcium    | 43-1  | 12238.63 | 12214.24 | 12045.10 | 12165.99   | 0.87    | ppb   |
| Calcium    | 44-1  | 11637.11 | 11682.28 | 11609.63 | 11643.01   | 0.32    | ppb   |
| Chromium   | 52-2  | 0.28     | 0.21     | 0.27     | 0.25       | 14.79   | ppb   |
| Cobalt     | 59-2  | 0.06     | 0.07     | 0.04     | 0.06       | 25.30   | ppb   |
| Copper     | 63-2  | 0.58     | 0.70     | 0.59     | 0.62       | 10.38   | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 117        |         | %     |
| Holmium    | 165-2 |          |          |          | 99         |         | %     |
| Indium     | 115-1 |          |          |          | 102        |         | %     |
| Indium     | 115-2 |          |          |          | 95         |         | %     |
| Iron       | 56-2  | 155.38   | 153.46   | 153.49   | 154.11     | 0.71    | ppb   |
| Iron       | 57-2  | 212.04   | 199.62   | 204.42   | 205.36     | 3.05    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.21     | 0.21     | 0.18     | 0.20       | 10.60   | ppb   |
| Lead       | 207-1 | 0.17     | 0.14     | 0.12     | 0.14       | 19.24   | ppb   |
| Lead       | 208-1 | 0.16     | 0.14     | 0.14     | 0.15       | 7.35    | ppb   |
| Lithium    | 6-1   |          |          |          | 90         |         | %     |
| Magnesium  | 24-2  | 1131.40  | 1104.43  | 1134.07  | 1123.30    | 1.46    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620L       | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:31:51 | DataFile Name :   | 037SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 103.14  | 98.99   | 99.53   | 100.55     | 2.24    | ppb   |
| Molybdenum | 94-1  | 0.12    | 0.03    | 0.08    | 0.08       | 53.90   | ppb   |
| Molybdenum | 95-1  | 0.04    | 0.07    | 0.05    | 0.05       | 28.15   | ppb   |
| Molybdenum | 96-1  | 0.02    | 0.02    | 0.03    | 0.03       | 19.04   | ppb   |
| Molybdenum | 97-1  | 0.05    | 0.07    | 0.08    | 0.07       | 23.33   | ppb   |
| Molybdenum | 98-1  | 0.05    | 0.07    | 0.03    | 0.05       | 34.83   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.13    | 0.12    | 0.08    | 0.11       | 21.25   | ppb   |
| Phosphorus | 31-2  | -25.94  | 20.37   | -12.96  | -6.18      |         | ppb   |
| Potassium  | 39-2  | 787.00  | 796.16  | 787.12  | 790.09     | 0.66    | ppb   |
| Rhodium    | 103-1 |         |         |         | 97         |         | %     |
| Rhodium    | 103-2 |         |         |         | 98         |         | %     |
| Scandium   | 45-1  |         |         |         | 92         |         | %     |
| Scandium   | 45-2  |         |         |         | 95         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.18    | -2.38   | -2.39   | -1.53      |         | ppb   |
| Selenium   | 82-1  | 0.16    | -0.49   | -0.01   | -0.11      |         | ppb   |
| Silicon    | 28-1  | 210.25  | 213.73  | 214.55  | 212.84     | 1.07    | ppb   |
| Silver     | 109-1 | 0.02    | 0.03    | 0.00    | 0.02       | 65.34   | ppb   |
| Silver     | 107-1 | 0.03    | 0.02    | 0.02    | 0.02       | 22.43   | ppb   |
| Sodium     | 23-2  | 980.58  | 977.90  | 978.63  | 979.04     | 0.14    | ppb   |
| Strontium  | 86-1  | 56.98   | 55.77   | 55.47   | 56.07      | 1.42    | ppb   |
| Strontium  | 88-1  | 57.34   | 55.96   | 55.02   | 56.11      | 2.08    | ppb   |
| Sulfur     | 34-1  | 357.28  | 356.65  | 318.79  | 344.24     | 6.40    | ppb   |
| Terbium    | 159-1 |         |         |         | 116        |         | %     |
| Terbium    | 159-2 |         |         |         | 98         |         | %     |
| Thallium   | 203-1 | -0.01   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Thallium   | 205-1 | -0.03   | -0.03   | -0.03   | -0.03      |         | ppb   |
| Thorium    | 232-1 | 0.00    | 0.00    | 0.01    | 0.01       | 46.38   | ppb   |
| Tin        | 118-1 | 0.10    | 0.10    | 0.12    | 0.10       | 9.20    | ppb   |
| Titanium   | 47-1  | 0.27    | 0.51    | 0.39    | 0.39       | 29.61   | ppb   |
| Uranium    | 238-1 | 0.06    | 0.05    | 0.05    | 0.05       | 12.36   | ppb   |
| Vanadium   | 51-2  | 0.15    | 0.09    | 0.10    | 0.11       | 30.49   | ppb   |
| Yttrium    | 89-1  |         |         |         | 109        |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620L       | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:31:51 | DataFile Name :   | 037SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 2.32    | 2.18    | 2.19    | 2.23       | 3.56    | ppb   |
| Zirconium | 90-1 | 0.07    | 0.02    | 0.03    | 0.04       | 65.77   | ppb   |
| Zirconium | 91-1 | 0.02    | 0.05    | 0.02    | 0.03       | 49.24   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:35:27 | DataFile Name :   | 038SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 5108.27   | 5319.80   | 5097.87   | 5175.31    | 2.42    | ppb   |
| Antimony   | 121-1 | 433.91    | 444.45    | 428.28    | 435.55     | 1.88    | ppb   |
| Arsenic    | 75-2  | 486.12    | 523.92    | 486.46    | 498.84     | 4.36    | ppb   |
| Barium     | 135-1 | 1215.28   | 1215.85   | 1195.01   | 1208.72    | 0.98    | ppb   |
| Barium     | 137-1 | 1219.83   | 1225.34   | 1194.22   | 1213.13    | 1.37    | ppb   |
| Beryllium  | 9-1   | 420.77    | 422.99    | 412.51    | 418.75     | 1.32    | ppb   |
| Bismuth    | 209-1 |           |           |           | 103        |         | %     |
| Bismuth    | 209-2 |           |           |           | 91         |         | %     |
| Boron      | 10-1  | 227.58    | 220.44    | 223.22    | 223.75     | 1.61    | ppb   |
| Boron      | 11-1  | 231.65    | 236.41    | 241.82    | 236.63     | 2.15    | ppb   |
| Cadmium    | 111-1 | 407.28    | 404.86    | 402.54    | 404.89     | 0.59    | ppb   |
| Cadmium    | 106-1 | 399.10    | 396.43    | 399.20    | 398.24     | 0.39    | ppb   |
| Cadmium    | 108-1 | 393.80    | 397.17    | 378.22    | 389.73     | 2.59    | ppb   |
| Calcium    | 43-1  | 109048.35 | 110621.42 | 108611.82 | 109427.20  | 0.97    | ppb   |
| Calcium    | 44-1  | 109224.11 | 112059.82 | 110164.05 | 110482.66  | 1.31    | ppb   |
| Chromium   | 52-2  | 473.18    | 486.68    | 466.97    | 475.61     | 2.12    | ppb   |
| Cobalt     | 59-2  | 475.18    | 488.54    | 472.63    | 478.78     | 1.79    | ppb   |
| Copper     | 63-2  | 494.77    | 507.42    | 492.43    | 498.20     | 1.62    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 116        |         | %     |
| Holmium    | 165-2 |           |           |           | 95         |         | %     |
| Indium     | 115-1 |           |           |           | 97         |         | %     |
| Indium     | 115-2 |           |           |           | 88         |         | %     |
| Iron       | 56-2  | 13785.40  | 14157.23  | 13733.22  | 13891.95   | 1.66    | ppb   |
| Iron       | 57-2  | 14339.30  | 14833.23  | 14332.58  | 14501.70   | 1.98    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 452.94    | 454.21    | 444.16    | 450.44     | 1.21    | ppb   |
| Lead       | 207-1 | 470.27    | 469.94    | 465.08    | 468.43     | 0.62    | ppb   |
| Lead       | 208-1 | 466.91    | 469.63    | 462.99    | 466.51     | 0.72    | ppb   |
| Lithium    | 6-1   |           |           |           | 90         |         | %     |
| Magnesium  | 24-2  | 56445.13  | 58515.11  | 55957.85  | 56972.70   | 2.38    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:35:27 | DataFile Name :   | 038SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 976.89   | 1022.13  | 981.57   | 993.53     | 2.50    | ppb   |
| Molybdenum | 94-1  | 1419.13  | 1439.82  | 1394.57  | 1417.84    | 1.60    | ppb   |
| Molybdenum | 95-1  | 1125.61  | 1139.06  | 1105.21  | 1123.29    | 1.52    | ppb   |
| Molybdenum | 96-1  | 1151.85  | 1172.30  | 1120.27  | 1148.14    | 2.28    | ppb   |
| Molybdenum | 97-1  | 1142.13  | 1162.04  | 1121.31  | 1141.83    | 1.78    | ppb   |
| Molybdenum | 98-1  | 1144.59  | 1163.52  | 1143.21  | 1150.44    | 0.99    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 484.49   | 494.56   | 478.09   | 485.71     | 1.71    | ppb   |
| Phosphorus | 31-2  | 23.53    | 46.76    | 9.04     | 26.45      | 71.95   | ppb   |
| Potassium  | 39-2  | 16202.99 | 16888.44 | 16145.88 | 16412.43   | 2.52    | ppb   |
| Rhodium    | 103-1 |          |          |          | 91         |         | %     |
| Rhodium    | 103-2 |          |          |          | 91         |         | %     |
| Scandium   | 45-1  |          |          |          | 88         |         | %     |
| Scandium   | 45-2  |          |          |          | 92         |         | %     |
| Selenium   | 77-2  | 548.05   | 542.15   | 487.94   | 526.05     | 6.30    | ppb   |
| Selenium   | 78-2  | 463.50   | 511.17   | 477.97   | 484.21     | 5.05    | ppb   |
| Selenium   | 82-1  | 437.43   | 432.07   | 435.96   | 435.15     | 0.64    | ppb   |
| Silicon    | 28-1  | 1303.16  | 1338.74  | 1315.01  | 1318.97    | 1.37    | ppb   |
| Silver     | 109-1 | 401.81   | 404.36   | 393.55   | 399.91     | 1.41    | ppb   |
| Silver     | 107-1 | 402.94   | 408.50   | 393.73   | 401.72     | 1.86    | ppb   |
| Sodium     | 23-2  | 56153.06 | 57502.58 | 55661.53 | 56439.06   | 1.69    | ppb   |
| Strontium  | 86-1  | 692.20   | 697.98   | 675.73   | 688.64     | 1.68    | ppb   |
| Strontium  | 88-1  | 708.72   | 718.71   | 698.42   | 708.62     | 1.43    | ppb   |
| Sulfur     | 34-1  | 1308.69  | 1272.48  | 896.63   | 1159.27    | 19.68   | ppb   |
| Terbium    | 159-1 |          |          |          | 115        |         | %     |
| Terbium    | 159-2 |          |          |          | 94         |         | %     |
| Thallium   | 203-1 | 441.12   | 446.16   | 442.00   | 443.09     | 0.61    | ppb   |
| Thallium   | 205-1 | 457.50   | 462.10   | 458.83   | 459.48     | 0.52    | ppb   |
| Thorium    | 232-1 | 0.06     | 0.04     | 0.04     | 0.05       | 14.90   | ppb   |
| Tin        | 118-1 | 229.97   | 231.05   | 219.17   | 226.73     | 2.90    | ppb   |
| Titanium   | 47-1  | 1229.67  | 1252.23  | 1229.44  | 1237.11    | 1.06    | ppb   |
| Uranium    | 238-1 | 446.29   | 448.37   | 451.26   | 448.64     | 0.56    | ppb   |
| Vanadium   | 51-2  | 464.81   | 484.26   | 472.76   | 473.94     | 2.06    | ppb   |
| Yttrium    | 89-1  |          |          |          | 106        |         | %     |
| Yttrium    | 89-2  |          |          |          | 92         |         | %     |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:35:27 | DataFile Name :   | 038SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 461.98  | 473.20  | 465.13  | 466.77     | 1.24    | ppb   |
| Zirconium | 90-1 | 402.67  | 411.20  | 395.28  | 403.05     | 1.98    | ppb   |
| Zirconium | 91-1 | 418.28  | 427.41  | 409.71  | 418.47     | 2.11    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSDRE   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:39:04 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 5106.54   | 5089.68   | 4951.70   | 5049.31    | 1.68    | ppb   |
| Antimony   | 121-1 | 480.87    | 470.50    | 474.72    | 475.36     | 1.10    | ppb   |
| Arsenic    | 75-2  | 525.56    | 527.71    | 512.90    | 522.06     | 1.53    | ppb   |
| Barium     | 135-1 | 1233.74   | 1221.42   | 1222.04   | 1225.73    | 0.57    | ppb   |
| Barium     | 137-1 | 1241.01   | 1230.26   | 1227.78   | 1233.02    | 0.57    | ppb   |
| Beryllium  | 9-1   | 458.34    | 450.39    | 454.35    | 454.36     | 0.88    | ppb   |
| Bismuth    | 209-1 |           |           |           | 103        |         | %     |
| Bismuth    | 209-2 |           |           |           | 93         |         | %     |
| Boron      | 10-1  | 244.50    | 230.77    | 238.68    | 237.99     | 2.90    | ppb   |
| Boron      | 11-1  | 246.00    | 248.54    | 259.68    | 251.41     | 2.90    | ppb   |
| Cadmium    | 111-1 | 437.89    | 436.65    | 439.06    | 437.86     | 0.27    | ppb   |
| Cadmium    | 106-1 | 439.63    | 426.34    | 412.71    | 426.23     | 3.16    | ppb   |
| Cadmium    | 108-1 | 422.38    | 413.40    | 419.86    | 418.55     | 1.11    | ppb   |
| Calcium    | 43-1  | 110402.92 | 110732.18 | 110883.29 | 110672.79  | 0.22    | ppb   |
| Calcium    | 44-1  | 111601.72 | 112151.45 | 112361.21 | 112038.13  | 0.35    | ppb   |
| Chromium   | 52-2  | 503.16    | 514.45    | 480.95    | 499.52     | 3.41    | ppb   |
| Cobalt     | 59-2  | 504.98    | 522.00    | 487.50    | 504.82     | 3.42    | ppb   |
| Copper     | 63-2  | 495.72    | 510.00    | 467.70    | 491.14     | 4.38    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 116        |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 97         |         | %     |
| Indium     | 115-2 |           |           |           | 90         |         | %     |
| Iron       | 56-2  | 13664.46  | 13944.29  | 12944.35  | 13517.70   | 3.82    | ppb   |
| Iron       | 57-2  | 14006.37  | 14457.45  | 13537.40  | 14000.41   | 3.29    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 493.97    | 490.56    | 501.55    | 495.36     | 1.14    | ppb   |
| Lead       | 207-1 | 512.02    | 510.31    | 517.95    | 513.43     | 0.78    | ppb   |
| Lead       | 208-1 | 507.54    | 509.35    | 519.71    | 512.20     | 1.28    | ppb   |
| Lithium    | 6-1   |           |           |           | 90         |         | %     |
| Magnesium  | 24-2  | 56971.69  | 57598.34  | 54015.50  | 56195.18   | 3.41    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSDRE   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:39:04 | DataFile Name :   | 039SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 975.81   | 1008.61  | 935.04   | 973.15     | 3.79    | ppb   |
| Molybdenum | 94-1  | 1486.91  | 1452.84  | 1481.91  | 1473.89    | 1.25    | ppb   |
| Molybdenum | 95-1  | 1141.33  | 1133.67  | 1131.68  | 1135.56    | 0.45    | ppb   |
| Molybdenum | 96-1  | 1186.21  | 1156.12  | 1170.71  | 1171.02    | 1.28    | ppb   |
| Molybdenum | 97-1  | 1167.54  | 1144.37  | 1150.20  | 1154.03    | 1.04    | ppb   |
| Molybdenum | 98-1  | 1166.31  | 1153.04  | 1176.97  | 1165.44    | 1.03    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 525.16   | 531.76   | 497.88   | 518.27     | 3.47    | ppb   |
| Phosphorus | 31-2  | 22.34    | 58.13    | 64.88    | 48.45      | 47.19   | ppb   |
| Potassium  | 39-2  | 16112.18 | 16584.31 | 15340.04 | 16012.18   | 3.92    | ppb   |
| Rhodium    | 103-1 |          |          |          | 91         |         | %     |
| Rhodium    | 103-2 |          |          |          | 93         |         | %     |
| Scandium   | 45-1  |          |          |          | 88         |         | %     |
| Scandium   | 45-2  |          |          |          | 94         |         | %     |
| Selenium   | 77-2  | 466.95   | 538.22   | 517.79   | 507.65     | 7.23    | ppb   |
| Selenium   | 78-2  | 466.25   | 491.86   | 474.40   | 477.50     | 2.74    | ppb   |
| Selenium   | 82-1  | 473.19   | 467.59   | 473.70   | 471.49     | 0.72    | ppb   |
| Silicon    | 28-1  | 1313.28  | 1308.38  | 1331.20  | 1317.62    | 0.91    | ppb   |
| Silver     | 109-1 | 438.13   | 437.14   | 439.85   | 438.37     | 0.31    | ppb   |
| Silver     | 107-1 | 438.88   | 438.74   | 440.75   | 439.46     | 0.26    | ppb   |
| Sodium     | 23-2  | 56043.55 | 57029.54 | 53021.26 | 55364.78   | 3.77    | ppb   |
| Strontium  | 86-1  | 728.08   | 716.66   | 722.66   | 722.46     | 0.79    | ppb   |
| Strontium  | 88-1  | 751.09   | 744.81   | 757.67   | 751.19     | 0.86    | ppb   |
| Sulfur     | 34-1  | 484.38   | 381.71   | 201.56   | 355.88     | 40.23   | ppb   |
| Terbium    | 159-1 |          |          |          | 115        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 485.90   | 472.90   | 496.67   | 485.16     | 2.45    | ppb   |
| Thallium   | 205-1 | 501.00   | 499.69   | 517.88   | 506.19     | 2.00    | ppb   |
| Thorium    | 232-1 | 0.03     | 0.04     | 0.04     | 0.04       | 8.41    | ppb   |
| Tin        | 118-1 | 233.70   | 231.14   | 229.89   | 231.58     | 0.84    | ppb   |
| Titanium   | 47-1  | 1255.08  | 1248.57  | 1251.52  | 1251.72    | 0.26    | ppb   |
| Uranium    | 238-1 | 485.24   | 492.47   | 501.85   | 493.19     | 1.69    | ppb   |
| Vanadium   | 51-2  | 502.27   | 510.90   | 473.65   | 495.61     | 3.93    | ppb   |
| Yttrium    | 89-1  |          |          |          | 106        |         | %     |
| Yttrium    | 89-2  |          |          |          | 95         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSDRE   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:39:04 | DataFile Name :   | 039SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 457.95  | 471.86  | 430.44  | 453.41     | 4.65    | ppb   |
| Zirconium | 90-1 | 457.26  | 452.02  | 459.87  | 456.38     | 0.88    | ppb   |
| Zirconium | 91-1 | 444.95  | 436.28  | 442.88  | 441.37     | 1.03    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03ARE         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:42:41 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 5116.18   | 5096.61   | 5091.67   | 5101.49    | 0.25    | ppb   |
| Antimony   | 121-1 | 455.33    | 449.54    | 463.64    | 456.17     | 1.55    | ppb   |
| Arsenic    | 75-2  | 503.84    | 508.72    | 509.60    | 507.39     | 0.61    | ppb   |
| Barium     | 135-1 | 1219.71   | 1212.26   | 1240.68   | 1224.22    | 1.20    | ppb   |
| Barium     | 137-1 | 1216.04   | 1219.10   | 1242.44   | 1225.86    | 1.18    | ppb   |
| Beryllium  | 9-1   | 443.34    | 434.80    | 444.25    | 440.80     | 1.18    | ppb   |
| Bismuth    | 209-1 |           |           |           | 103        |         | %     |
| Bismuth    | 209-2 |           |           |           | 94         |         | %     |
| Boron      | 10-1  | 237.02    | 237.61    | 246.45    | 240.36     | 2.20    | ppb   |
| Boron      | 11-1  | 249.14    | 252.55    | 257.23    | 252.97     | 1.61    | ppb   |
| Cadmium    | 111-1 | 415.76    | 415.87    | 425.67    | 419.10     | 1.36    | ppb   |
| Cadmium    | 106-1 | 390.52    | 411.94    | 405.32    | 402.59     | 2.72    | ppb   |
| Cadmium    | 108-1 | 404.86    | 396.00    | 416.26    | 405.71     | 2.50    | ppb   |
| Calcium    | 43-1  | 109628.24 | 111507.17 | 113892.61 | 111676.00  | 1.91    | ppb   |
| Calcium    | 44-1  | 111428.55 | 112761.50 | 115195.79 | 113128.61  | 1.69    | ppb   |
| Chromium   | 52-2  | 485.68    | 478.20    | 480.50    | 481.46     | 0.80    | ppb   |
| Cobalt     | 59-2  | 490.07    | 484.59    | 486.95    | 487.20     | 0.56    | ppb   |
| Copper     | 63-2  | 495.06    | 487.94    | 493.21    | 492.07     | 0.75    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 116        |         | %     |
| Holmium    | 165-2 |           |           |           | 99         |         | %     |
| Indium     | 115-1 |           |           |           | 97         |         | %     |
| Indium     | 115-2 |           |           |           | 91         |         | %     |
| Iron       | 56-2  | 13818.57  | 13495.12  | 13599.50  | 13637.73   | 1.21    | ppb   |
| Iron       | 57-2  | 14263.90  | 14033.62  | 14039.36  | 14112.29   | 0.93    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 472.59    | 471.55    | 480.49    | 474.88     | 1.03    | ppb   |
| Lead       | 207-1 | 489.44    | 487.63    | 491.61    | 489.56     | 0.41    | ppb   |
| Lead       | 208-1 | 485.17    | 488.72    | 495.90    | 489.93     | 1.12    | ppb   |
| Lithium    | 6-1   |           |           |           | 88         |         | %     |
| Magnesium  | 24-2  | 56054.08  | 55717.50  | 55546.89  | 55772.82   | 0.46    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03ARE         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:42:41 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 985.39   | 967.81   | 979.87   | 977.69     | 0.92    | ppb   |
| Molybdenum | 94-1  | 1440.67  | 1417.02  | 1478.63  | 1445.44    | 2.15    | ppb   |
| Molybdenum | 95-1  | 1116.32  | 1120.13  | 1144.28  | 1126.91    | 1.35    | ppb   |
| Molybdenum | 96-1  | 1161.42  | 1151.70  | 1184.41  | 1165.84    | 1.44    | ppb   |
| Molybdenum | 97-1  | 1166.80  | 1124.11  | 1181.69  | 1157.53    | 2.58    | ppb   |
| Molybdenum | 98-1  | 1154.34  | 1150.45  | 1195.00  | 1166.60    | 2.12    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 498.18   | 494.78   | 497.70   | 496.88     | 0.37    | ppb   |
| Phosphorus | 31-2  | 14.84    | 7.40     | 27.89    | 16.71      | 62.06   | ppb   |
| Potassium  | 39-2  | 16160.30 | 15924.94 | 16174.06 | 16086.43   | 0.87    | ppb   |
| Rhodium    | 103-1 |          |          |          | 90         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 87         |         | %     |
| Scandium   | 45-2  |          |          |          | 95         |         | %     |
| Selenium   | 77-2  | 472.58   | 424.47   | 490.64   | 462.56     | 7.39    | ppb   |
| Selenium   | 78-2  | 442.32   | 479.29   | 458.61   | 460.07     | 4.03    | ppb   |
| Selenium   | 82-1  | 456.51   | 449.51   | 463.55   | 456.52     | 1.54    | ppb   |
| Silicon    | 28-1  | 1301.91  | 1331.79  | 1355.16  | 1329.62    | 2.01    | ppb   |
| Silver     | 109-1 | 416.11   | 414.11   | 423.19   | 417.80     | 1.14    | ppb   |
| Silver     | 107-1 | 418.79   | 414.60   | 423.94   | 419.11     | 1.12    | ppb   |
| Sodium     | 23-2  | 55269.13 | 54792.09 | 54885.91 | 54982.37   | 0.46    | ppb   |
| Strontium  | 86-1  | 705.57   | 690.88   | 715.40   | 703.95     | 1.75    | ppb   |
| Strontium  | 88-1  | 726.72   | 721.52   | 746.12   | 731.46     | 1.77    | ppb   |
| Sulfur     | 34-1  | 387.73   | 366.53   | 524.09   | 426.12     | 20.07   | ppb   |
| Terbium    | 159-1 |          |          |          | 115        |         | %     |
| Terbium    | 159-2 |          |          |          | 98         |         | %     |
| Thallium   | 203-1 | 464.85   | 464.49   | 469.12   | 466.15     | 0.55    | ppb   |
| Thallium   | 205-1 | 474.46   | 484.23   | 492.50   | 483.73     | 1.87    | ppb   |
| Thorium    | 232-1 | 0.02     | 0.04     | 0.03     | 0.03       | 24.89   | ppb   |
| Tin        | 118-1 | 232.06   | 230.78   | 237.31   | 233.38     | 1.48    | ppb   |
| Titanium   | 47-1  | 1239.84  | 1255.14  | 1262.82  | 1252.60    | 0.93    | ppb   |
| Uranium    | 238-1 | 465.28   | 473.78   | 485.71   | 474.92     | 2.16    | ppb   |
| Vanadium   | 51-2  | 482.51   | 479.09   | 476.49   | 479.37     | 0.63    | ppb   |
| Yttrium    | 89-1  |          |          |          | 107        |         | %     |
| Yttrium    | 89-2  |          |          |          | 95         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03ARE         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:42:41 | DataFile Name :   | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 458.27  | 457.64  | 459.75  | 458.55     | 0.24    | ppb   |
| Zirconium | 90-1 | 419.11  | 412.87  | 422.25  | 418.08     | 1.14    | ppb   |
| Zirconium | 91-1 | 432.13  | 421.95  | 442.15  | 432.08     | 2.34    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV45               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV45               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:49:52 | DataFile Name :   | 042CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 51929.51  | 52148.87  | 52656.10  | 52244.83   | 0.71    | ppb   |
| Antimony   | 121-1 | 456.54    | 468.33    | 468.37    | 464.42     | 1.47    | ppb   |
| Arsenic    | 75-2  | 532.66    | 527.21    | 529.84    | 529.90     | 0.51    | ppb   |
| Barium     | 135-1 | 2302.18   | 2325.31   | 2315.29   | 2314.26    | 0.50    | ppb   |
| Barium     | 137-1 | 2331.83   | 2410.82   | 2400.27   | 2380.97    | 1.80    | ppb   |
| Beryllium  | 9-1   | 463.61    | 484.90    | 483.30    | 477.27     | 2.48    | ppb   |
| Bismuth    | 209-1 |           |           |           | 92         |         | %     |
| Bismuth    | 209-2 |           |           |           | 89         |         | %     |
| Boron      | 10-1  | 446.66    | 481.34    | 482.77    | 470.26     | 4.35    | ppb   |
| Boron      | 11-1  | 458.38    | 477.74    | 482.36    | 472.83     | 2.69    | ppb   |
| Cadmium    | 111-1 | 511.30    | 517.56    | 517.35    | 515.40     | 0.69    | ppb   |
| Cadmium    | 106-1 | 487.37    | 506.15    | 494.01    | 495.84     | 1.92    | ppb   |
| Cadmium    | 108-1 | 487.83    | 515.04    | 505.48    | 502.78     | 2.75    | ppb   |
| Calcium    | 43-1  | 234977.65 | 245192.09 | 243734.13 | 241301.29  | 2.29    | ppb   |
| Calcium    | 44-1  | 242449.70 | 254241.95 | 253591.95 | 250094.53  | 2.65    | ppb   |
| Chromium   | 52-2  | 498.50    | 501.96    | 509.99    | 503.49     | 1.17    | ppb   |
| Cobalt     | 59-2  | 493.19    | 496.53    | 502.02    | 497.25     | 0.90    | ppb   |
| Copper     | 63-2  | 997.69    | 1005.07   | 1019.43   | 1007.40    | 1.10    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 109        |         | %     |
| Holmium    | 165-2 |           |           |           | 97         |         | %     |
| Indium     | 115-1 |           |           |           | 88         |         | %     |
| Indium     | 115-2 |           |           |           | 88         |         | %     |
| Iron       | 56-2  | 125511.00 | 124650.91 | 126552.66 | 125571.53  | 0.76    | ppb   |
| Iron       | 57-2  | 131048.96 | 133293.97 | 134193.94 | 132845.63  | 1.22    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 480.49    | 497.75    | 497.49    | 491.91     | 2.01    | ppb   |
| Lead       | 207-1 | 482.67    | 501.39    | 503.64    | 495.90     | 2.32    | ppb   |
| Lead       | 208-1 | 491.46    | 510.86    | 510.97    | 504.43     | 2.23    | ppb   |
| Lithium    | 6-1   |           |           |           | 82         |         | %     |
| Magnesium  | 24-2  | 239267.80 | 238615.99 | 239600.74 | 239161.51  | 0.21    | ppb   |



|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV45               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV45               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:49:52 | DataFile Name :   | 042CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 980.26    | 995.93    | 1002.20   | 992.80     | 1.14    | ppb   |
| Molybdenum | 94-1  | 2394.86   | 2468.60   | 2449.42   | 2437.63    | 1.57    | ppb   |
| Molybdenum | 95-1  | 2410.99   | 2480.83   | 2466.21   | 2452.68    | 1.50    | ppb   |
| Molybdenum | 96-1  | 2400.50   | 2475.59   | 2452.64   | 2442.91    | 1.58    | ppb   |
| Molybdenum | 97-1  | 2294.61   | 2348.46   | 2309.38   | 2317.48    | 1.20    | ppb   |
| Molybdenum | 98-1  | 2400.32   | 2478.64   | 2453.85   | 2444.27    | 1.64    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 485.75    | 486.64    | 498.01    | 490.14     | 1.40    | ppb   |
| Phosphorus | 31-2  | 10169.92  | 9701.02   | 10065.00  | 9978.65    | 2.47    | ppb   |
| Potassium  | 39-2  | 119672.61 | 118094.71 | 119618.95 | 119128.76  | 0.75    | ppb   |
| Rhodium    | 103-1 |           |           |           | 81         |         | %     |
| Rhodium    | 103-2 |           |           |           | 85         |         | %     |
| Scandium   | 45-1  |           |           |           | 82         |         | %     |
| Scandium   | 45-2  |           |           |           | 88         |         | %     |
| Selenium   | 77-2  | 601.06    | 507.56    | 498.45    | 535.69     | 10.60   | ppb   |
| Selenium   | 78-2  | 523.77    | 535.09    | 493.71    | 517.52     | 4.13    | ppb   |
| Selenium   | 82-1  | 480.74    | 492.70    | 483.08    | 485.51     | 1.31    | ppb   |
| Silicon    | 28-1  | 484.89    | 505.86    | 508.58    | 499.78     | 2.59    | ppb   |
| Silver     | 109-1 | 481.41    | 493.24    | 489.67    | 488.11     | 1.24    | ppb   |
| Silver     | 107-1 | 490.14    | 499.69    | 489.20    | 493.01     | 1.18    | ppb   |
| Sodium     | 23-2  | 242263.94 | 238245.54 | 243407.24 | 241305.57  | 1.12    | ppb   |
| Strontium  | 86-1  | 471.62    | 487.93    | 480.78    | 480.11     | 1.70    | ppb   |
| Strontium  | 88-1  | 488.45    | 508.50    | 501.19    | 499.38     | 2.03    | ppb   |
| Sulfur     | 34-1  | 8315.46   | 9009.92   | 8822.82   | 8716.07    | 4.12    | ppb   |
| Terbium    | 159-1 |           |           |           | 108        |         | %     |
| Terbium    | 159-2 |           |           |           | 96         |         | %     |
| Thallium   | 203-1 | 477.42    | 501.31    | 492.73    | 490.49     | 2.47    | ppb   |
| Thallium   | 205-1 | 498.70    | 520.14    | 521.01    | 513.28     | 2.46    | ppb   |
| Thorium    | 232-1 | 515.54    | 538.29    | 536.53    | 530.12     | 2.39    | ppb   |
| Tin        | 118-1 | 444.66    | 454.28    | 455.12    | 451.35     | 1.29    | ppb   |
| Titanium   | 47-1  | 2407.23   | 2489.24   | 2481.91   | 2459.46    | 1.85    | ppb   |
| Uranium    | 238-1 | 510.77    | 534.44    | 530.36    | 525.19     | 2.41    | ppb   |
| Vanadium   | 51-2  | 501.82    | 504.10    | 508.12    | 504.68     | 0.63    | ppb   |
| Yttrium    | 89-1  |           |           |           | 99         |         | %     |
| Yttrium    | 89-2  |           |           |           | 93         |         | %     |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV45               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV45               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:49:52 | DataFile Name :   | 042CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 989.35  | 1004.50 | 1029.24 | 1007.70    | 2.00    | ppb   |
| Zirconium | 90-1 | 454.71  | 490.77  | 488.98  | 478.15     | 4.25    | ppb   |
| Zirconium | 91-1 | 470.47  | 481.13  | 465.77  | 472.45     | 1.67    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB45 Instrumnet Name : P7  
 Client Sample ID : CCB45 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:55:53 DataFile Name : 043CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.82   | -0.42   | -0.82   | -0.69      |         | ppb   |
| Antimony   | 121-1 | 0.19    | 0.22    | 0.25    | 0.22       | 13.36   | ppb   |
| Arsenic    | 75-2  | 0.09    | -0.04   | -0.04   | 0.00       | 1859.41 | ppb   |
| Barium     | 135-1 | 0.01    | 0.01    | -0.02   | 0.00       |         | ppb   |
| Barium     | 137-1 | 0.00    | 0.01    | 0.00    | 0.00       | 209.82  | ppb   |
| Beryllium  | 9-1   | 0.00    | 0.05    | -0.02   | 0.01       | 292.45  | ppb   |
| Bismuth    | 209-1 |         |         |         | 98         |         | %     |
| Bismuth    | 209-2 |         |         |         | 95         |         | %     |
| Boron      | 10-1  | 16.64   | 14.72   | 11.06   | 14.14      | 20.05   | ppb   |
| Boron      | 11-1  | 14.14   | 13.85   | 11.92   | 13.30      | 9.05    | ppb   |
| Cadmium    | 111-1 | -0.36   | -0.13   | -0.18   | -0.23      |         | ppb   |
| Cadmium    | 106-1 | -4.23   | -1.84   | -2.43   | -2.83      |         | ppb   |
| Cadmium    | 108-1 | 0.10    | -0.06   | -0.06   | 0.00       |         | ppb   |
| Calcium    | 43-1  | 9.53    | 8.19    | 2.37    | 6.70       | 56.85   | ppb   |
| Calcium    | 44-1  | -0.02   | -0.04   | 1.71    | 0.55       | 183.02  | ppb   |
| Chromium   | 52-2  | 0.21    | 0.09    | 0.02    | 0.11       | 87.38   | ppb   |
| Cobalt     | 59-2  | -0.02   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Copper     | 63-2  | 0.03    | 0.10    | 0.09    | 0.07       | 46.71   | 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 |         |         |         | 94         |         | %     |
| Indium     | 115-1 |         |         |         | 90         |         | %     |
| Indium     | 115-2 |         |         |         | 92         |         | %     |
| Iron       | 56-2  | 0.85    | 0.88    | 1.14    | 0.96       | 16.70   | ppb   |
| Iron       | 57-2  | -0.73   | 2.91    | -0.25   | 0.64       | 308.50  | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.11    | 0.10    | 0.10    | 0.10       | 6.30    | ppb   |
| Lead       | 207-1 | 0.06    | 0.08    | 0.07    | 0.07       | 15.01   | ppb   |
| Lead       | 208-1 | 0.09    | 0.08    | 0.08    | 0.08       | 5.73    | ppb   |
| Lithium    | 6-1   |         |         |         | 82         |         | %     |
| Magnesium  | 24-2  | 0.81    | 1.10    | 2.42    | 1.44       | 59.38   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB45               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB45               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:55:53 | DataFile Name :   | 043CCBE.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | -0.03   | -0.04   | -0.04   | -0.03      |         | ppb   |
| Molybdenum | 94-1  | 0.04    | 0.10    | 0.02    | 0.05       | 76.96   | ppb   |
| Molybdenum | 95-1  | 0.09    | 0.18    | 0.14    | 0.14       | 34.60   | ppb   |
| Molybdenum | 96-1  | 0.15    | 0.05    | 0.08    | 0.09       | 56.22   | ppb   |
| Molybdenum | 97-1  | 0.19    | 0.19    | 0.07    | 0.15       | 45.35   | ppb   |
| Molybdenum | 98-1  | 0.12    | 0.09    | 0.07    | 0.09       | 29.75   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | -0.05   | -0.07   | -0.07   | -0.07      |         | ppb   |
| Phosphorus | 31-2  | -45.01  | -16.66  | -45.58  | -35.75     |         | ppb   |
| Potassium  | 39-2  | -3.99   | -3.47   | -6.45   | -4.64      |         | ppb   |
| Rhodium    | 103-1 |         |         |         | 88         |         | %     |
| Rhodium    | 103-2 |         |         |         | 93         |         | %     |
| Scandium   | 45-1  |         |         |         | 83         |         | %     |
| Scandium   | 45-2  |         |         |         | 88         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -1.38   | -0.56   | -1.85   | -1.26      |         | ppb   |
| Selenium   | 82-1  | 0.39    | 0.35    | 0.65    | 0.46       | 34.82   | ppb   |
| Silicon    | 28-1  | -2.98   | -4.16   | -3.55   | -3.56      |         | ppb   |
| Silver     | 109-1 | 0.02    | 0.04    | 0.04    | 0.03       | 41.22   | ppb   |
| Silver     | 107-1 | 0.01    | 0.00    | 0.01    | 0.01       | 134.32  | ppb   |
| Sodium     | 23-2  | 12.54   | 14.05   | 10.96   | 12.51      | 12.34   | ppb   |
| Strontium  | 86-1  | -0.02   | -0.01   | 0.03    | 0.00       |         | ppb   |
| Strontium  | 88-1  | 0.01    | 0.00    | 0.00    | 0.00       | 277.50  | ppb   |
| Sulfur     | 34-1  | -977.93 | -952.34 | -867.53 | -932.60    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 106        |         | %     |
| Terbium    | 159-2 |         |         |         | 94         |         | %     |
| Thallium   | 203-1 | 0.07    | 0.05    | 0.04    | 0.05       | 25.96   | ppb   |
| Thallium   | 205-1 | 0.02    | 0.02    | 0.01    | 0.02       | 53.08   | ppb   |
| Thorium    | 232-1 | 0.04    | 0.03    | 0.04    | 0.03       | 5.46    | ppb   |
| Tin        | 118-1 | 0.07    | 0.01    | 0.09    | 0.06       | 77.41   | ppb   |
| Titanium   | 47-1  | 0.03    | 0.10    | 0.00    | 0.04       | 108.72  | ppb   |
| Uranium    | 238-1 | -0.01   | -0.01   | -0.01   | -0.01      |         | ppb   |
| Vanadium   | 51-2  | 0.00    | 0.00    | 0.00    | 0.00       | 778.41  | ppb   |
| Yttrium    | 89-1  |         |         |         | 100        |         | %     |
| Yttrium    | 89-2  |         |         |         | 92         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB45               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB45               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:55:53 | DataFile Name :   | 043CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.12    | -0.21   | -0.31   | -0.13      |         | ppb   |
| Zirconium | 90-1 | 0.04    | 0.01    | 0.02    | 0.02       | 69.08   | ppb   |
| Zirconium | 91-1 | 0.06    | -0.03   | 0.04    | 0.02       | 193.14  | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619DL      | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:59:29 | DataFile Name :   | 044SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 26.29    | 22.57    | 26.26    | 25.04      | 8.56    | ppb   |
| Antimony   | 121-1 | 0.41     | 0.41     | 0.43     | 0.41       | 2.65    | ppb   |
| Arsenic    | 75-2  | 0.34     | 0.46     | 0.17     | 0.32       | 44.90   | ppb   |
| Barium     | 135-1 | 8.17     | 8.30     | 9.08     | 8.52       | 5.79    | ppb   |
| Barium     | 137-1 | 8.53     | 8.33     | 8.62     | 8.49       | 1.75    | ppb   |
| Beryllium  | 9-1   | -0.03    | -0.03    | -0.01    | -0.02      |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 103        |         | %     |
| Bismuth    | 209-2 |          |          |          | 97         |         | %     |
| Boron      | 10-1  | 11.38    | 10.80    | 10.13    | 10.77      | 5.80    | ppb   |
| Boron      | 11-1  | 11.51    | 11.11    | 11.32    | 11.31      | 1.76    | ppb   |
| Cadmium    | 111-1 | -0.20    | -0.10    | -0.13    | -0.14      |         | ppb   |
| Cadmium    | 106-1 | -2.76    | -2.16    | -2.18    | -2.37      |         | ppb   |
| Cadmium    | 108-1 | -0.06    | -0.06    | -0.06    | -0.06      |         | ppb   |
| Calcium    | 43-1  | 18072.67 | 18175.29 | 18188.87 | 18145.61   | 0.35    | ppb   |
| Calcium    | 44-1  | 18492.76 | 18633.87 | 18799.06 | 18641.90   | 0.82    | ppb   |
| Chromium   | 52-2  | 0.28     | 0.31     | 0.34     | 0.31       | 9.36    | ppb   |
| Cobalt     | 59-2  | 0.13     | 0.16     | 0.15     | 0.15       | 9.57    | ppb   |
| Copper     | 63-2  | 0.83     | 1.00     | 0.91     | 0.91       | 9.33    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 112        |         | %     |
| Holmium    | 165-2 |          |          |          | 97         |         | %     |
| Indium     | 115-1 |          |          |          | 95         |         | %     |
| Indium     | 115-2 |          |          |          | 94         |         | %     |
| Iron       | 56-2  | 261.75   | 260.68   | 256.82   | 259.75     | 1.00    | ppb   |
| Iron       | 57-2  | 342.93   | 340.55   | 330.00   | 337.83     | 2.04    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.20     | 0.23     | 0.20     | 0.21       | 9.46    | ppb   |
| Lead       | 207-1 | 0.10     | 0.18     | 0.12     | 0.13       | 32.57   | ppb   |
| Lead       | 208-1 | 0.15     | 0.20     | 0.19     | 0.18       | 14.90   | ppb   |
| Lithium    | 6-1   |          |          |          | 87         |         | %     |
| Magnesium  | 24-2  | 2276.71  | 2277.01  | 2309.97  | 2287.90    | 0.84    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619DL      | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:59:29 | DataFile Name :   | 044SMPL.d |

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 522.10  | 523.94  | 524.28  | 523.44     | 0.22    | ppb   |
| Molybdenum | 94-1  | 0.07    | 0.08    | 0.23    | 0.13       | 67.89   | ppb   |
| Molybdenum | 95-1  | 0.11    | 0.03    | 0.09    | 0.08       | 53.00   | ppb   |
| Molybdenum | 96-1  | 0.08    | 0.09    | 0.07    | 0.08       | 16.66   | ppb   |
| Molybdenum | 97-1  | 0.04    | 0.15    | 0.08    | 0.09       | 62.24   | ppb   |
| Molybdenum | 98-1  | 0.08    | 0.06    | 0.07    | 0.07       | 14.10   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.31    | 0.27    | 0.25    | 0.28       | 10.19   | ppb   |
| Phosphorus | 31-2  | -19.36  | -18.72  | 15.48   | -7.53      |         | ppb   |
| Potassium  | 39-2  | 127.72  | 139.94  | 141.45  | 136.37     | 5.52    | ppb   |
| Rhodium    | 103-1 |         |         |         | 93         |         | %     |
| Rhodium    | 103-2 |         |         |         | 96         |         | %     |
| Scandium   | 45-1  |         |         |         | 87         |         | %     |
| Scandium   | 45-2  |         |         |         | 94         |         | %     |
| Selenium   | 77-2  | 0.00    | 2.55    | 0.00    | 0.85       | 173.21  | ppb   |
| Selenium   | 78-2  | -2.38   | 0.17    | -1.06   | -1.09      |         | ppb   |
| Selenium   | 82-1  | 0.46    | 0.80    | 1.14    | 0.80       | 42.16   | ppb   |
| Silicon    | 28-1  | 859.81  | 866.42  | 873.45  | 866.56     | 0.79    | ppb   |
| Silver     | 109-1 | 0.08    | 0.06    | 0.09    | 0.08       | 23.03   | ppb   |
| Silver     | 107-1 | 0.06    | 0.03    | 0.10    | 0.06       | 52.50   | ppb   |
| Sodium     | 23-2  | 576.45  | 595.62  | 580.38  | 584.15     | 1.73    | ppb   |
| Strontium  | 86-1  | 96.98   | 94.36   | 93.96   | 95.10      | 1.72    | ppb   |
| Strontium  | 88-1  | 97.95   | 95.56   | 96.56   | 96.69      | 1.24    | ppb   |
| Sulfur     | 34-1  | -667.94 | -582.42 | -486.45 | -578.94    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 112        |         | %     |
| Terbium    | 159-2 |         |         |         | 96         |         | %     |
| Thallium   | 203-1 | 0.02    | 0.03    | 0.06    | 0.04       | 48.63   | ppb   |
| Thallium   | 205-1 | 0.07    | 0.09    | 0.06    | 0.07       | 25.23   | ppb   |
| Thorium    | 232-1 | 0.03    | 0.02    | 0.03    | 0.03       | 2.91    | ppb   |
| Tin        | 118-1 | 0.15    | 0.12    | 0.14    | 0.14       | 11.80   | ppb   |
| Titanium   | 47-1  | 0.41    | 0.45    | 0.63    | 0.50       | 23.04   | ppb   |
| Uranium    | 238-1 | 0.03    | 0.05    | 0.04    | 0.04       | 27.64   | ppb   |
| Vanadium   | 51-2  | 0.10    | 0.08    | 0.06    | 0.08       | 22.17   | ppb   |
| Yttrium    | 89-1  |         |         |         | 107        |         | %     |
| Yttrium    | 89-2  |         |         |         | 96         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619DL      | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:59:29 | DataFile Name :   | 044SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 3.35    | 3.56    | 3.84    | 3.58       | 6.79    | ppb   |
| Zirconium | 90-1 | 0.03    | 0.04    | 0.02    | 0.03       | 39.74   | ppb   |
| Zirconium | 91-1 | 0.01    | 0.02    | 0.05    | 0.03       | 71.17   | ppb   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-02DLX5 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0619-9002DL Dilution Factor : 5  
 Date & Time Acquired :: 2019-07-23 16:03:04 DataFile Name : 045SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Aluminium  | 27-2  | 38.19    | 27.30    | 27.45    | 30.98      | 20.16   | ppb   |
| Antimony   | 121-1 | 0.32     | 0.33     | 0.25     | 0.30       | 15.44   | ppb   |
| Arsenic    | 75-2  | 0.50     | 0.50     | 0.50     | 0.50       | 0.71    | ppb   |
| Barium     | 135-1 | 9.18     | 9.47     | 9.25     | 9.30       | 1.66    | ppb   |
| Barium     | 137-1 | 9.44     | 9.07     | 9.24     | 9.25       | 2.00    | ppb   |
| Beryllium  | 9-1   | -0.03    | -0.01    | 0.02     | -0.01      |         | ppb   |
| Bismuth    | 209-1 |          |          |          | 106        |         | %     |
| Bismuth    | 209-2 |          |          |          | 98         |         | %     |
| Boron      | 10-1  | 10.55    | 10.19    | 10.25    | 10.33      | 1.89    | ppb   |
| Boron      | 11-1  | 9.80     | 10.04    | 9.31     | 9.71       | 3.84    | ppb   |
| Cadmium    | 111-1 | -0.25    | -0.23    | -0.21    | -0.23      |         | ppb   |
| Cadmium    | 106-1 | -3.04    | -3.38    | -2.98    | -3.13      |         | ppb   |
| Cadmium    | 108-1 | -0.06    | -0.06    | -0.06    | -0.06      |         | ppb   |
| Calcium    | 43-1  | 18329.99 | 17925.41 | 18282.43 | 18179.28   | 1.22    | ppb   |
| Calcium    | 44-1  | 18497.43 | 18448.88 | 18784.82 | 18577.04   | 0.98    | ppb   |
| Chromium   | 52-2  | 0.30     | 0.14     | 0.32     | 0.25       | 38.41   | ppb   |
| Cobalt     | 59-2  | 0.18     | 0.22     | 0.18     | 0.20       | 12.49   | ppb   |
| Copper     | 63-2  | 0.85     | 0.90     | 0.84     | 0.86       | 3.78    | ppb   |
| Dysprosium | 156-1 |          |          |          |            |         | cps   |
| Dysprosium | 156-2 |          |          |          |            |         | cps   |
| Erbium     | 164-1 |          |          |          |            |         | cps   |
| Erbium     | 164-2 |          |          |          |            |         | cps   |
| Gadolinium | 160-1 |          |          |          |            |         | cps   |
| Gadolinium | 160-2 |          |          |          |            |         | cps   |
| Holmium    | 165-1 |          |          |          | 114        |         | %     |
| Holmium    | 165-2 |          |          |          | 98         |         | %     |
| Indium     | 115-1 |          |          |          | 99         |         | %     |
| Indium     | 115-2 |          |          |          | 95         |         | %     |
| Iron       | 56-2  | 271.10   | 270.80   | 272.52   | 271.47     | 0.34    | ppb   |
| Iron       | 57-2  | 351.58   | 365.82   | 335.53   | 350.98     | 4.32    | ppb   |
| Krypton    | 83-1  |          |          |          |            |         | cps   |
| Lead       | 206-1 | 0.19     | 0.20     | 0.15     | 0.18       | 12.79   | ppb   |
| Lead       | 207-1 | 0.15     | 0.07     | 0.14     | 0.12       | 35.67   | ppb   |
| Lead       | 208-1 | 0.16     | 0.13     | 0.13     | 0.14       | 12.01   | ppb   |
| Lithium    | 6-1   |          |          |          | 88         |         | %     |
| Magnesium  | 24-2  | 2220.59  | 2291.11  | 2313.72  | 2275.14    | 2.14    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-02DLX5 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0619-9002DL Dilution Factor : 5  
 Date & Time Acquired :: 2019-07-23 16:03:04 DataFile Name : 045SMPL.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Manganese  | 55-2  | 560.70  | 567.08  | 568.24  | 565.34     | 0.72    | ppb   |
| Molybdenum | 94-1  | 0.19    | 0.13    | 0.17    | 0.16       | 19.54   | ppb   |
| Molybdenum | 95-1  | 0.12    | 0.09    | 0.06    | 0.09       | 33.80   | ppb   |
| Molybdenum | 96-1  | 0.08    | 0.06    | 0.06    | 0.07       | 24.19   | ppb   |
| Molybdenum | 97-1  | 0.15    | 0.13    | 0.13    | 0.14       | 7.82    | ppb   |
| Molybdenum | 98-1  | 0.08    | 0.08    | 0.03    | 0.07       | 41.14   | ppb   |
| Neodymium  | 150-1 |         |         |         |            |         | cps   |
| Neodymium  | 150-2 |         |         |         |            |         | cps   |
| Nickel     | 60-2  | 0.24    | 0.25    | 0.38    | 0.29       | 27.33   | ppb   |
| Phosphorus | 31-2  | 20.58   | -6.00   | -13.11  | 0.49       | 3633.36 | ppb   |
| Potassium  | 39-2  | 202.32  | 225.88  | 217.30  | 215.17     | 5.54    | ppb   |
| Rhodium    | 103-1 |         |         |         | 95         |         | %     |
| Rhodium    | 103-2 |         |         |         | 98         |         | %     |
| Scandium   | 45-1  |         |         |         | 88         |         | %     |
| Scandium   | 45-2  |         |         |         | 95         |         | %     |
| Selenium   | 77-2  | 0.00    | 0.00    | 0.00    | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | -1.11   | -1.56   | -2.40   | -1.69      |         | ppb   |
| Selenium   | 82-1  | 0.61    | 0.24    | 0.21    | 0.35       | 62.68   | ppb   |
| Silicon    | 28-1  | 869.95  | 868.65  | 869.03  | 869.21     | 0.08    | ppb   |
| Silver     | 109-1 | 0.04    | 0.10    | 0.05    | 0.06       | 51.83   | ppb   |
| Silver     | 107-1 | 0.04    | 0.03    | 0.06    | 0.05       | 31.12   | ppb   |
| Sodium     | 23-2  | 592.37  | 591.34  | 604.64  | 596.12     | 1.24    | ppb   |
| Strontium  | 86-1  | 100.37  | 98.06   | 97.43   | 98.62      | 1.57    | ppb   |
| Strontium  | 88-1  | 98.27   | 96.83   | 94.77   | 96.62      | 1.82    | ppb   |
| Sulfur     | 34-1  | -333.82 | -420.64 | -407.97 | -387.48    |         | ppb   |
| Terbium    | 159-1 |         |         |         | 113        |         | %     |
| Terbium    | 159-2 |         |         |         | 97         |         | %     |
| Thallium   | 203-1 | 0.00    | -0.01   | 0.00    | 0.00       |         | ppb   |
| Thallium   | 205-1 | 0.01    | -0.01   | -0.01   | 0.00       |         | ppb   |
| Thorium    | 232-1 | 0.01    | 0.01    | 0.01    | 0.01       | 23.37   | ppb   |
| Tin        | 118-1 | 0.21    | 0.13    | 0.15    | 0.16       | 23.81   | ppb   |
| Titanium   | 47-1  | 0.88    | 0.64    | 0.59    | 0.70       | 22.55   | ppb   |
| Uranium    | 238-1 | 0.05    | 0.03    | 0.05    | 0.04       | 19.13   | ppb   |
| Vanadium   | 51-2  | 0.15    | 0.16    | 0.14    | 0.15       | 5.07    | ppb   |
| Yttrium    | 89-1  |         |         |         | 108        |         | %     |
| Yttrium    | 89-2  |         |         |         | 97         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002DL | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 16:03:04 | DataFile Name :   | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 3.94    | 2.67    | 3.17    | 3.26       | 19.48   | ppb   |
| Zirconium | 90-1 | 0.05    | 0.03    | 0.06    | 0.04       | 38.57   | ppb   |
| Zirconium | 91-1 | 0.01    | 0.04    | 0.03    | 0.03       | 53.22   | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-04RE2 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSRE2 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 16:14:06 DataFile Name : 046SMPL.d

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 4974.40   | 4918.15   | 4842.44   | 4911.66    | 1.35    | ppb   |
| Antimony   | 121-1 | 429.64    | 421.84    | 417.56    | 423.01     | 1.45    | ppb   |
| Arsenic    | 75-2  | 470.71    | 466.60    | 464.51    | 467.28     | 0.68    | ppb   |
| Barium     | 135-1 | 1189.74   | 1174.91   | 1171.38   | 1178.67    | 0.83    | ppb   |
| Barium     | 137-1 | 1191.65   | 1173.55   | 1175.26   | 1180.16    | 0.85    | ppb   |
| Beryllium  | 9-1   | 418.86    | 415.28    | 411.73    | 415.29     | 0.86    | ppb   |
| Bismuth    | 209-1 |           |           |           | 100        |         | %     |
| Bismuth    | 209-2 |           |           |           | 93         |         | %     |
| Boron      | 10-1  | 214.74    | 224.31    | 217.81    | 218.95     | 2.23    | ppb   |
| Boron      | 11-1  | 233.04    | 240.91    | 239.25    | 237.73     | 1.74    | ppb   |
| Cadmium    | 111-1 | 403.78    | 388.59    | 390.05    | 394.14     | 2.13    | ppb   |
| Cadmium    | 106-1 | 408.98    | 380.62    | 401.94    | 397.18     | 3.72    | ppb   |
| Cadmium    | 108-1 | 406.35    | 394.05    | 392.66    | 397.69     | 1.89    | ppb   |
| Calcium    | 43-1  | 110029.70 | 109134.50 | 107729.20 | 108964.47  | 1.06    | ppb   |
| Calcium    | 44-1  | 112228.17 | 111272.96 | 109455.17 | 110985.43  | 1.27    | ppb   |
| Chromium   | 52-2  | 457.06    | 448.94    | 449.10    | 451.70     | 1.03    | ppb   |
| Cobalt     | 59-2  | 457.05    | 449.98    | 454.32    | 453.78     | 0.79    | ppb   |
| Copper     | 63-2  | 907.89    | 892.64    | 896.12    | 898.89     | 0.89    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 113        |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 93         |         | %     |
| Indium     | 115-2 |           |           |           | 90         |         | %     |
| Iron       | 56-2  | 13412.30  | 13130.72  | 13103.59  | 13215.54   | 1.29    | ppb   |
| Iron       | 57-2  | 13818.56  | 13604.93  | 13494.87  | 13639.45   | 1.21    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 444.94    | 436.16    | 439.08    | 440.06     | 1.02    | ppb   |
| Lead       | 207-1 | 453.98    | 452.78    | 457.01    | 454.59     | 0.48    | ppb   |
| Lead       | 208-1 | 460.40    | 458.89    | 460.44    | 459.91     | 0.19    | ppb   |
| Lithium    | 6-1   |           |           |           | 90         |         | %     |
| Magnesium  | 24-2  | 55135.22  | 53676.89  | 53687.35  | 54166.49   | 1.55    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-04RE2 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSRE2 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 16:14:06 DataFile Name : 046SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1398.84  | 1367.51  | 1380.87  | 1382.40    | 1.14    | ppb   |
| Molybdenum | 94-1  | 1404.89  | 1363.16  | 1367.37  | 1378.47    | 1.67    | ppb   |
| Molybdenum | 95-1  | 1108.21  | 1095.07  | 1079.39  | 1094.22    | 1.32    | ppb   |
| Molybdenum | 96-1  | 1137.13  | 1122.39  | 1105.98  | 1121.83    | 1.39    | ppb   |
| Molybdenum | 97-1  | 1119.55  | 1112.74  | 1094.71  | 1109.00    | 1.16    | ppb   |
| Molybdenum | 98-1  | 1155.04  | 1151.06  | 1129.92  | 1145.34    | 1.18    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 471.26   | 460.57   | 461.24   | 464.35     | 1.29    | ppb   |
| Phosphorus | 31-2  | 21.05    | -7.06    | -6.31    | 2.56       | 625.07  | ppb   |
| Potassium  | 39-2  | 15703.53 | 15478.25 | 15372.59 | 15518.12   | 1.09    | ppb   |
| Rhodium    | 103-1 |          |          |          | 88         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 87         |         | %     |
| Scandium   | 45-2  |          |          |          | 96         |         | %     |
| Selenium   | 77-2  | 474.58   | 461.98   | 467.55   | 468.03     | 1.35    | ppb   |
| Selenium   | 78-2  | 441.64   | 437.95   | 448.05   | 442.54     | 1.15    | ppb   |
| Selenium   | 82-1  | 430.65   | 428.49   | 426.83   | 428.66     | 0.45    | ppb   |
| Silicon    | 28-1  | 1358.79  | 1388.92  | 1331.95  | 1359.89    | 2.10    | ppb   |
| Silver     | 109-1 | 400.33   | 389.87   | 390.93   | 393.71     | 1.46    | ppb   |
| Silver     | 107-1 | 401.77   | 388.63   | 392.36   | 394.26     | 1.72    | ppb   |
| Sodium     | 23-2  | 54393.47 | 52847.98 | 52993.74 | 53411.73   | 1.60    | ppb   |
| Strontium  | 86-1  | 676.35   | 665.23   | 664.20   | 668.60     | 1.01    | ppb   |
| Strontium  | 88-1  | 704.32   | 704.44   | 696.59   | 701.78     | 0.64    | ppb   |
| Sulfur     | 34-1  | 1428.46  | 1177.80  | 709.94   | 1105.40    | 32.99   | ppb   |
| Terbium    | 159-1 |          |          |          | 112        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 436.55   | 428.80   | 433.96   | 433.10     | 0.91    | ppb   |
| Thallium   | 205-1 | 461.41   | 456.77   | 460.34   | 459.51     | 0.53    | ppb   |
| Thorium    | 232-1 | 0.05     | 0.05     | 0.05     | 0.05       | 7.54    | ppb   |
| Tin        | 118-1 | 228.03   | 223.62   | 223.62   | 225.09     | 1.13    | ppb   |
| Titanium   | 47-1  | 1236.15  | 1202.47  | 1208.01  | 1215.54    | 1.49    | ppb   |
| Uranium    | 238-1 | 445.86   | 440.99   | 450.02   | 445.62     | 1.01    | ppb   |
| Vanadium   | 51-2  | 450.04   | 447.31   | 443.99   | 447.11     | 0.68    | ppb   |
| Yttrium    | 89-1  |          |          |          | 105        |         | %     |
| Yttrium    | 89-2  |          |          |          | 96         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE2         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE2   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:14:06 | DataFile Name :   | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 831.32  | 827.33  | 837.43  | 832.03     | 0.61    | ppb   |
| Zirconium | 90-1 | 397.72  | 390.06  | 387.42  | 391.73     | 1.37    | ppb   |
| Zirconium | 91-1 | 408.63  | 406.20  | 399.83  | 404.88     | 1.12    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05RE2         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSDRE   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:17:43 | DataFile Name :   | 047SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 4947.89   | 4997.54   | 4623.92   | 4856.45    | 4.18    | ppb   |
| Antimony   | 121-1 | 462.58    | 453.81    | 458.62    | 458.34     | 0.96    | ppb   |
| Arsenic    | 75-2  | 518.35    | 513.68    | 480.26    | 504.09     | 4.12    | ppb   |
| Barium     | 135-1 | 1204.41   | 1185.32   | 1196.30   | 1195.34    | 0.80    | ppb   |
| Barium     | 137-1 | 1187.19   | 1183.27   | 1187.67   | 1186.04    | 0.20    | ppb   |
| Beryllium  | 9-1   | 441.87    | 444.45    | 442.85    | 443.06     | 0.29    | ppb   |
| Bismuth    | 209-1 |           |           |           | 103        |         | %     |
| Bismuth    | 209-2 |           |           |           | 96         |         | %     |
| Boron      | 10-1  | 229.21    | 236.55    | 230.61    | 232.12     | 1.68    | ppb   |
| Boron      | 11-1  | 241.50    | 245.84    | 246.41    | 244.58     | 1.10    | ppb   |
| Cadmium    | 111-1 | 428.27    | 422.30    | 423.37    | 424.64     | 0.75    | ppb   |
| Cadmium    | 106-1 | 410.83    | 408.04    | 419.90    | 412.92     | 1.50    | ppb   |
| Cadmium    | 108-1 | 410.11    | 418.20    | 418.88    | 415.73     | 1.17    | ppb   |
| Calcium    | 43-1  | 108359.22 | 108850.39 | 107658.83 | 108289.48  | 0.55    | ppb   |
| Calcium    | 44-1  | 109142.30 | 109496.30 | 110659.79 | 109766.13  | 0.72    | ppb   |
| Chromium   | 52-2  | 500.21    | 496.45    | 463.76    | 486.81     | 4.12    | ppb   |
| Cobalt     | 59-2  | 497.98    | 497.27    | 467.06    | 487.44     | 3.62    | ppb   |
| Copper     | 63-2  | 908.78    | 895.54    | 851.92    | 885.41     | 3.36    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 118        |         | %     |
| Holmium    | 165-2 |           |           |           | 101        |         | %     |
| Indium     | 115-1 |           |           |           | 97         |         | %     |
| Indium     | 115-2 |           |           |           | 93         |         | %     |
| Iron       | 56-2  | 13497.95  | 13236.61  | 12473.65  | 13069.41   | 4.07    | ppb   |
| Iron       | 57-2  | 13909.72  | 13920.57  | 12938.37  | 13589.55   | 4.15    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 478.29    | 484.08    | 477.65    | 480.01     | 0.74    | ppb   |
| Lead       | 207-1 | 494.60    | 496.67    | 495.02    | 495.43     | 0.22    | ppb   |
| Lead       | 208-1 | 498.06    | 501.32    | 498.66    | 499.35     | 0.35    | ppb   |
| Lithium    | 6-1   |           |           |           | 91         |         | %     |
| Magnesium  | 24-2  | 54970.72  | 54015.02  | 51075.42  | 53353.72   | 3.80    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-05RE2 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSDRE Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 16:17:43 DataFile Name : 047SMPL.d

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1405.24  | 1401.40  | 1310.20  | 1372.28    | 3.92    | ppb   |
| Molybdenum | 94-1  | 1428.57  | 1436.41  | 1420.87  | 1428.62    | 0.54    | ppb   |
| Molybdenum | 95-1  | 1097.12  | 1104.62  | 1094.28  | 1098.67    | 0.49    | ppb   |
| Molybdenum | 96-1  | 1132.51  | 1131.09  | 1116.91  | 1126.84    | 0.77    | ppb   |
| Molybdenum | 97-1  | 1121.19  | 1124.95  | 1107.15  | 1117.77    | 0.84    | ppb   |
| Molybdenum | 98-1  | 1136.30  | 1141.27  | 1137.59  | 1138.38    | 0.23    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 514.49   | 510.89   | 478.40   | 501.26     | 3.97    | ppb   |
| Phosphorus | 31-2  | 21.74    | 73.66    | 16.78    | 37.39      | 84.26   | ppb   |
| Potassium  | 39-2  | 15786.89 | 15580.53 | 14552.11 | 15306.51   | 4.32    | ppb   |
| Rhodium    | 103-1 |          |          |          | 92         |         | %     |
| Rhodium    | 103-2 |          |          |          | 97         |         | %     |
| Scandium   | 45-1  |          |          |          | 89         |         | %     |
| Scandium   | 45-2  |          |          |          | 97         |         | %     |
| Selenium   | 77-2  | 462.52   | 433.94   | 473.73   | 456.73     | 4.49    | ppb   |
| Selenium   | 78-2  | 476.66   | 488.88   | 470.17   | 478.57     | 1.98    | ppb   |
| Selenium   | 82-1  | 451.68   | 468.82   | 454.41   | 458.30     | 2.01    | ppb   |
| Silicon    | 28-1  | 1312.87  | 1337.86  | 1305.74  | 1318.82    | 1.28    | ppb   |
| Silver     | 109-1 | 425.15   | 427.27   | 429.37   | 427.26     | 0.49    | ppb   |
| Silver     | 107-1 | 427.89   | 425.93   | 429.26   | 427.69     | 0.39    | ppb   |
| Sodium     | 23-2  | 53966.19 | 53374.46 | 50151.35 | 52497.33   | 3.91    | ppb   |
| Strontium  | 86-1  | 701.82   | 699.21   | 693.48   | 698.17     | 0.61    | ppb   |
| Strontium  | 88-1  | 725.79   | 733.52   | 731.60   | 730.30     | 0.55    | ppb   |
| Sulfur     | 34-1  | 126.83   | 222.56   | 99.53    | 149.64     | 43.18   | ppb   |
| Terbium    | 159-1 |          |          |          | 116        |         | %     |
| Terbium    | 159-2 |          |          |          | 100        |         | %     |
| Thallium   | 203-1 | 476.51   | 474.76   | 469.23   | 473.50     | 0.80    | ppb   |
| Thallium   | 205-1 | 488.80   | 495.44   | 493.05   | 492.43     | 0.68    | ppb   |
| Thorium    | 232-1 | 0.05     | 0.04     | 0.05     | 0.05       | 18.74   | ppb   |
| Tin        | 118-1 | 228.38   | 227.60   | 226.66   | 227.55     | 0.38    | ppb   |
| Titanium   | 47-1  | 1242.68  | 1220.97  | 1207.59  | 1223.75    | 1.45    | ppb   |
| Uranium    | 238-1 | 480.71   | 482.02   | 488.19   | 483.64     | 0.83    | ppb   |
| Vanadium   | 51-2  | 494.05   | 490.49   | 457.82   | 480.79     | 4.15    | ppb   |
| Yttrium    | 89-1  |          |          |          | 109        |         | %     |
| Yttrium    | 89-2  |          |          |          | 98         |         | %     |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05RE2         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSDRE   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:17:43 | DataFile Name :   | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 838.43  | 845.11  | 786.79  | 823.44     | 3.88    | ppb   |
| Zirconium | 90-1 | 444.09  | 446.48  | 447.98  | 446.18     | 0.44    | ppb   |
| Zirconium | 91-1 | 429.56  | 432.32  | 427.84  | 429.91     | 0.53    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MS      | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:27:01 | DataFile Name :   | 048SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 9046.29   | 8960.19   | 8932.27   | 8979.59    | 0.66    | ppb   |
| Antimony   | 121-1 | 373.79    | 376.35    | 376.12    | 375.42     | 0.38    | ppb   |
| Arsenic    | 75-2  | 461.83    | 453.84    | 456.72    | 457.46     | 0.88    | ppb   |
| Barium     | 135-1 | 2079.64   | 2101.85   | 2098.03   | 2093.17    | 0.57    | ppb   |
| Barium     | 137-1 | 2188.06   | 2219.64   | 2202.32   | 2203.34    | 0.72    | ppb   |
| Beryllium  | 9-1   | 408.68    | 407.19    | 408.35    | 408.08     | 0.19    | ppb   |
| Bismuth    | 209-1 |           |           |           | 102        |         | %     |
| Bismuth    | 209-2 |           |           |           | 93         |         | %     |
| Boron      | 10-1  | 385.95    | 394.01    | 414.88    | 398.28     | 3.75    | ppb   |
| Boron      | 11-1  | 410.16    | 425.26    | 431.23    | 422.22     | 2.57    | ppb   |
| Cadmium    | 111-1 | 384.28    | 379.12    | 383.61    | 382.34     | 0.73    | ppb   |
| Cadmium    | 106-1 | 358.28    | 361.53    | 373.84    | 364.55     | 2.25    | ppb   |
| Cadmium    | 108-1 | 378.14    | 364.82    | 380.30    | 374.42     | 2.24    | ppb   |
| Calcium    | 43-1  | 100503.84 | 101243.98 | 100643.16 | 100796.99  | 0.39    | ppb   |
| Calcium    | 44-1  | 102563.36 | 103276.27 | 103753.57 | 103197.73  | 0.58    | ppb   |
| Chromium   | 52-2  | 454.43    | 445.69    | 451.45    | 450.52     | 0.99    | ppb   |
| Cobalt     | 59-2  | 457.15    | 453.09    | 455.41    | 455.22     | 0.45    | ppb   |
| Copper     | 63-2  | 885.16    | 881.59    | 877.41    | 881.39     | 0.44    | 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 |           |           |           | 116        |         | %     |
| Holmium    | 165-2 |           |           |           | 98         |         | %     |
| Indium     | 115-1 |           |           |           | 95         |         | %     |
| Indium     | 115-2 |           |           |           | 90         |         | %     |
| Iron       | 56-2  | 24347.50  | 23901.28  | 23801.87  | 24016.88   | 1.21    | ppb   |
| Iron       | 57-2  | 24363.29  | 24446.12  | 24340.37  | 24383.26   | 0.23    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 421.93    | 428.06    | 437.66    | 429.22     | 1.85    | ppb   |
| Lead       | 207-1 | 435.17    | 445.04    | 449.45    | 443.22     | 1.65    | ppb   |
| Lead       | 208-1 | 441.31    | 452.42    | 455.43    | 449.72     | 1.65    | ppb   |
| Lithium    | 6-1   |           |           |           | 88         |         | %     |
| Magnesium  | 24-2  | 50751.91  | 50246.86  | 49919.90  | 50306.22   | 0.83    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MS      | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:27:01 | DataFile Name :   | 048SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1370.43  | 1362.81  | 1363.00  | 1365.42    | 0.32    | ppb   |
| Molybdenum | 94-1  | 2041.82  | 2054.33  | 2048.97  | 2048.37    | 0.31    | ppb   |
| Molybdenum | 95-1  | 2073.28  | 2072.31  | 2073.83  | 2073.14    | 0.04    | ppb   |
| Molybdenum | 96-1  | 2055.50  | 2068.17  | 2050.03  | 2057.90    | 0.45    | ppb   |
| Molybdenum | 97-1  | 1943.94  | 1935.97  | 1913.63  | 1931.18    | 0.81    | ppb   |
| Molybdenum | 98-1  | 2060.35  | 2074.46  | 2042.26  | 2059.02    | 0.78    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 469.95   | 467.25   | 463.20   | 466.80     | 0.73    | ppb   |
| Phosphorus | 31-2  | 72.53    | 15.20    | 91.66    | 59.80      | 66.54   | ppb   |
| Potassium  | 39-2  | 25249.46 | 25212.74 | 25217.35 | 25226.52   | 0.08    | ppb   |
| Rhodium    | 103-1 |          |          |          | 89         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 86         |         | %     |
| Scandium   | 45-2  |          |          |          | 93         |         | %     |
| Selenium   | 77-2  | 442.71   | 410.14   | 436.30   | 429.72     | 4.02    | ppb   |
| Selenium   | 78-2  | 447.32   | 465.33   | 444.12   | 452.26     | 2.53    | ppb   |
| Selenium   | 82-1  | 414.48   | 413.50   | 419.10   | 415.69     | 0.72    | ppb   |
| Silicon    | 28-1  | 1427.20  | 1442.79  | 1457.58  | 1442.52    | 1.05    | ppb   |
| Silver     | 109-1 | 380.92   | 380.22   | 378.47   | 379.87     | 0.33    | ppb   |
| Silver     | 107-1 | 376.92   | 377.32   | 377.67   | 377.30     | 0.10    | ppb   |
| Sodium     | 23-2  | 49863.12 | 49199.48 | 49254.37 | 49438.99   | 0.75    | ppb   |
| Strontium  | 86-1  | 644.17   | 639.42   | 636.30   | 639.96     | 0.62    | ppb   |
| Strontium  | 88-1  | 668.58   | 679.30   | 676.09   | 674.66     | 0.82    | ppb   |
| Sulfur     | 34-1  | -66.30   | 21.66    | -92.80   | -45.81     |         | ppb   |
| Terbium    | 159-1 |          |          |          | 115        |         | %     |
| Terbium    | 159-2 |          |          |          | 97         |         | %     |
| Thallium   | 203-1 | 413.88   | 422.42   | 424.83   | 420.38     | 1.37    | ppb   |
| Thallium   | 205-1 | 440.95   | 448.14   | 456.02   | 448.37     | 1.68    | ppb   |
| Thorium    | 232-1 | 0.02     | 0.03     | 0.03     | 0.03       | 14.72   | ppb   |
| Tin        | 118-1 | 406.81   | 402.27   | 402.06   | 403.71     | 0.66    | ppb   |
| Titanium   | 47-1  | 2173.89  | 2194.07  | 2195.43  | 2187.80    | 0.55    | ppb   |
| Uranium    | 238-1 | 429.94   | 443.01   | 443.82   | 438.92     | 1.78    | ppb   |
| Vanadium   | 51-2  | 449.59   | 445.72   | 448.21   | 447.84     | 0.44    | ppb   |
| Yttrium    | 89-1  |          |          |          | 107        |         | %     |
| Yttrium    | 89-2  |          |          |          | 95         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MS      | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:27:01 | DataFile Name :   | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 811.01  | 812.20  | 808.00  | 810.40     | 0.27    | ppb   |
| Zirconium | 90-1 | 386.35  | 380.34  | 379.61  | 382.10     | 0.97    | ppb   |
| Zirconium | 91-1 | 401.48  | 397.19  | 391.65  | 396.77     | 1.24    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSD     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:30:38 | DataFile Name :   | 049SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 9148.66   | 8918.95   | 8952.41   | 9006.67    | 1.38    | ppb   |
| Antimony   | 121-1 | 379.85    | 377.47    | 376.04    | 377.78     | 0.51    | ppb   |
| Arsenic    | 75-2  | 462.21    | 465.42    | 463.43    | 463.69     | 0.35    | ppb   |
| Barium     | 135-1 | 2148.78   | 2115.68   | 2110.44   | 2124.97    | 0.98    | ppb   |
| Barium     | 137-1 | 2217.99   | 2193.76   | 2194.50   | 2202.09    | 0.63    | ppb   |
| Beryllium  | 9-1   | 413.97    | 412.76    | 410.14    | 412.29     | 0.48    | ppb   |
| Bismuth    | 209-1 |           |           |           | 104        |         | %     |
| Bismuth    | 209-2 |           |           |           | 94         |         | %     |
| Boron      | 10-1  | 405.29    | 430.63    | 421.78    | 419.23     | 3.07    | ppb   |
| Boron      | 11-1  | 443.43    | 437.00    | 451.44    | 443.96     | 1.63    | ppb   |
| Cadmium    | 111-1 | 391.08    | 388.31    | 380.15    | 386.51     | 1.47    | ppb   |
| Cadmium    | 106-1 | 378.93    | 378.48    | 368.46    | 375.29     | 1.58    | ppb   |
| Cadmium    | 108-1 | 389.55    | 371.92    | 385.72    | 382.40     | 2.43    | ppb   |
| Calcium    | 43-1  | 99955.10  | 101727.64 | 100247.75 | 100643.50  | 0.94    | ppb   |
| Calcium    | 44-1  | 101441.95 | 102875.88 | 102987.19 | 102435.01  | 0.84    | ppb   |
| Chromium   | 52-2  | 462.43    | 452.38    | 458.08    | 457.63     | 1.10    | ppb   |
| Cobalt     | 59-2  | 469.56    | 461.04    | 457.40    | 462.67     | 1.35    | ppb   |
| Copper     | 63-2  | 895.71    | 892.56    | 886.65    | 891.64     | 0.52    | ppb   |
| Dysprosium | 156-1 |           |           |           |            |         | cps   |
| Dysprosium | 156-2 |           |           |           |            |         | cps   |
| Erbium     | 164-1 |           |           |           |            |         | cps   |
| Erbium     | 164-2 |           |           |           |            |         | cps   |
| Gadolinium | 160-1 |           |           |           |            |         | cps   |
| Gadolinium | 160-2 |           |           |           |            |         | cps   |
| Holmium    | 165-1 |           |           |           | 119        |         | %     |
| Holmium    | 165-2 |           |           |           | 99         |         | %     |
| Indium     | 115-1 |           |           |           | 96         |         | %     |
| Indium     | 115-2 |           |           |           | 90         |         | %     |
| Iron       | 56-2  | 24419.37  | 24020.47  | 23898.60  | 24112.81   | 1.13    | ppb   |
| Iron       | 57-2  | 24803.17  | 24671.54  | 24431.21  | 24635.31   | 0.77    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 443.14    | 443.07    | 438.71    | 441.64     | 0.57    | ppb   |
| Lead       | 207-1 | 460.98    | 455.93    | 455.87    | 457.59     | 0.64    | ppb   |
| Lead       | 208-1 | 458.76    | 457.25    | 458.91    | 458.31     | 0.20    | ppb   |
| Lithium    | 6-1   |           |           |           | 88         |         | %     |
| Magnesium  | 24-2  | 50326.44  | 49353.44  | 49006.24  | 49562.04   | 1.38    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSD     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:30:38 | DataFile Name :   | 049SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1395.38  | 1363.63  | 1356.47  | 1371.83    | 1.51    | ppb   |
| Molybdenum | 94-1  | 2095.85  | 2099.01  | 2069.84  | 2088.23    | 0.77    | ppb   |
| Molybdenum | 95-1  | 2088.44  | 2110.66  | 2070.53  | 2089.87    | 0.96    | ppb   |
| Molybdenum | 96-1  | 2101.39  | 2081.03  | 2072.91  | 2085.11    | 0.70    | ppb   |
| Molybdenum | 97-1  | 2005.53  | 1972.35  | 1947.02  | 1974.97    | 1.49    | ppb   |
| Molybdenum | 98-1  | 2099.75  | 2092.65  | 2076.11  | 2089.50    | 0.58    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 474.12   | 467.26   | 468.86   | 470.08     | 0.76    | ppb   |
| Phosphorus | 31-2  | 16.86    | 16.10    | 1.05     | 11.34      | 78.67   | ppb   |
| Potassium  | 39-2  | 25561.93 | 25525.05 | 25302.70 | 25463.23   | 0.55    | ppb   |
| Rhodium    | 103-1 |          |          |          | 91         |         | %     |
| Rhodium    | 103-2 |          |          |          | 94         |         | %     |
| Scandium   | 45-1  |          |          |          | 87         |         | %     |
| Scandium   | 45-2  |          |          |          | 93         |         | %     |
| Selenium   | 77-2  | 464.40   | 453.50   | 423.61   | 447.17     | 4.72    | ppb   |
| Selenium   | 78-2  | 446.42   | 448.05   | 449.81   | 448.09     | 0.38    | ppb   |
| Selenium   | 82-1  | 427.74   | 431.16   | 422.63   | 427.17     | 1.00    | ppb   |
| Silicon    | 28-1  | 1435.20  | 1446.00  | 1449.97  | 1443.72    | 0.53    | ppb   |
| Silver     | 109-1 | 388.52   | 378.06   | 383.51   | 383.37     | 1.36    | ppb   |
| Silver     | 107-1 | 389.56   | 382.68   | 381.98   | 384.74     | 1.09    | ppb   |
| Sodium     | 23-2  | 50297.23 | 49214.98 | 48764.47 | 49425.56   | 1.59    | ppb   |
| Strontium  | 86-1  | 663.18   | 654.75   | 647.77   | 655.23     | 1.18    | ppb   |
| Strontium  | 88-1  | 684.06   | 685.07   | 677.40   | 682.18     | 0.61    | ppb   |
| Sulfur     | 34-1  | -210.24  | -286.86  | -319.42  | -272.17    |         | ppb   |
| Terbium    | 159-1 |          |          |          | 117        |         | %     |
| Terbium    | 159-2 |          |          |          | 97         |         | %     |
| Thallium   | 203-1 | 437.94   | 432.61   | 432.01   | 434.19     | 0.75    | ppb   |
| Thallium   | 205-1 | 455.85   | 460.26   | 458.04   | 458.05     | 0.48    | ppb   |
| Thorium    | 232-1 | 0.03     | 0.04     | 0.03     | 0.03       | 7.98    | ppb   |
| Tin        | 118-1 | 417.62   | 404.10   | 404.55   | 408.76     | 1.88    | ppb   |
| Titanium   | 47-1  | 2197.34  | 2193.26  | 2220.56  | 2203.72    | 0.67    | ppb   |
| Uranium    | 238-1 | 441.65   | 441.97   | 447.28   | 443.63     | 0.71    | ppb   |
| Vanadium   | 51-2  | 457.25   | 452.71   | 450.34   | 453.43     | 0.77    | ppb   |
| Yttrium    | 89-1  |          |          |          | 107        |         | %     |
| Yttrium    | 89-2  |          |          |          | 95         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSD     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:30:38 | DataFile Name :   | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 823.16  | 820.97  | 810.93  | 818.36     | 0.80    | ppb   |
| Zirconium | 90-1 | 395.65  | 397.07  | 384.70  | 392.47     | 1.73    | ppb   |
| Zirconium | 91-1 | 404.50  | 405.77  | 405.94  | 405.40     | 0.19    | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03A           | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:34:15 | DataFile Name :   | 050SMPL.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 9235.41   | 9060.97   | 8943.71   | 9080.03    | 1.62    | ppb   |
| Antimony   | 121-1 | 383.39    | 385.02    | 386.12    | 384.84     | 0.36    | ppb   |
| Arsenic    | 75-2  | 470.40    | 464.64    | 453.28    | 462.77     | 1.88    | ppb   |
| Barium     | 135-1 | 2147.74   | 2163.33   | 2142.78   | 2151.28    | 0.50    | ppb   |
| Barium     | 137-1 | 2223.80   | 2229.77   | 2226.24   | 2226.60    | 0.13    | ppb   |
| Beryllium  | 9-1   | 421.20    | 421.53    | 423.05    | 421.93     | 0.23    | ppb   |
| Bismuth    | 209-1 |           |           |           | 104        |         | %     |
| Bismuth    | 209-2 |           |           |           | 93         |         | %     |
| Boron      | 10-1  | 423.51    | 421.47    | 445.78    | 430.25     | 3.13    | ppb   |
| Boron      | 11-1  | 437.13    | 455.68    | 460.91    | 451.24     | 2.77    | ppb   |
| Cadmium    | 111-1 | 390.96    | 387.21    | 390.13    | 389.43     | 0.51    | ppb   |
| Cadmium    | 106-1 | 376.18    | 379.27    | 373.01    | 376.15     | 0.83    | ppb   |
| Cadmium    | 108-1 | 392.25    | 375.19    | 388.57    | 385.34     | 2.33    | ppb   |
| Calcium    | 43-1  | 99547.52  | 100864.59 | 100777.99 | 100396.70  | 0.73    | ppb   |
| Calcium    | 44-1  | 100837.35 | 102844.12 | 102658.04 | 102113.17  | 1.09    | ppb   |
| Chromium   | 52-2  | 463.30    | 461.74    | 460.26    | 461.76     | 0.33    | ppb   |
| Cobalt     | 59-2  | 476.06    | 465.15    | 462.75    | 467.99     | 1.52    | ppb   |
| Copper     | 63-2  | 902.84    | 900.00    | 898.15    | 900.33     | 0.26    | 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 |           |           |           | 118        |         | %     |
| Holmium    | 165-2 |           |           |           | 97         |         | %     |
| Indium     | 115-1 |           |           |           | 96         |         | %     |
| Indium     | 115-2 |           |           |           | 90         |         | %     |
| Iron       | 56-2  | 24648.26  | 24194.02  | 23980.57  | 24274.28   | 1.40    | ppb   |
| Iron       | 57-2  | 24978.94  | 24847.89  | 24531.91  | 24786.24   | 0.93    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 431.71    | 445.58    | 449.04    | 442.11     | 2.07    | ppb   |
| Lead       | 207-1 | 447.06    | 464.83    | 467.13    | 459.67     | 2.39    | ppb   |
| Lead       | 208-1 | 447.18    | 462.81    | 468.02    | 459.34     | 2.36    | ppb   |
| Lithium    | 6-1   |           |           |           | 86         |         | %     |
| Magnesium  | 24-2  | 50668.70  | 49615.30  | 49472.14  | 49918.71   | 1.31    | ppb   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03A           | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:34:15 | DataFile Name :   | 050SMPL.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | 1380.83  | 1370.33  | 1359.78  | 1370.31    | 0.77    | ppb   |
| Molybdenum | 94-1  | 2114.10  | 2095.20  | 2107.21  | 2105.51    | 0.45    | ppb   |
| Molybdenum | 95-1  | 2114.56  | 2098.02  | 2107.47  | 2106.69    | 0.39    | ppb   |
| Molybdenum | 96-1  | 2117.71  | 2095.04  | 2108.51  | 2107.09    | 0.54    | ppb   |
| Molybdenum | 97-1  | 2030.59  | 1986.37  | 1976.15  | 1997.70    | 1.45    | ppb   |
| Molybdenum | 98-1  | 2106.57  | 2096.39  | 2107.70  | 2103.55    | 0.30    | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | 475.67   | 477.69   | 473.36   | 475.57     | 0.46    | ppb   |
| Phosphorus | 31-2  | -3.66    | -4.20    | -18.43   | -8.76      |         | ppb   |
| Potassium  | 39-2  | 25868.86 | 25429.79 | 25406.35 | 25568.33   | 1.02    | ppb   |
| Rhodium    | 103-1 |          |          |          | 90         |         | %     |
| Rhodium    | 103-2 |          |          |          | 93         |         | %     |
| Scandium   | 45-1  |          |          |          | 86         |         | %     |
| Scandium   | 45-2  |          |          |          | 92         |         | %     |
| Selenium   | 77-2  | 431.55   | 402.04   | 433.42   | 422.34     | 4.17    | ppb   |
| Selenium   | 78-2  | 469.00   | 430.18   | 436.50   | 445.23     | 4.68    | ppb   |
| Selenium   | 82-1  | 437.07   | 427.49   | 434.70   | 433.09     | 1.15    | ppb   |
| Silicon    | 28-1  | 1368.84  | 1405.16  | 1404.62  | 1392.87    | 1.49    | ppb   |
| Silver     | 109-1 | 387.40   | 383.27   | 386.13   | 385.60     | 0.55    | ppb   |
| Silver     | 107-1 | 386.99   | 388.37   | 384.69   | 386.68     | 0.48    | ppb   |
| Sodium     | 23-2  | 50763.85 | 49802.42 | 49103.33 | 49889.86   | 1.67    | ppb   |
| Strontium  | 86-1  | 658.05   | 647.10   | 660.49   | 655.21     | 1.09    | ppb   |
| Strontium  | 88-1  | 679.41   | 677.98   | 681.71   | 679.70     | 0.28    | ppb   |
| Sulfur     | 34-1  | -313.58  | -136.14  | -191.46  | -213.73    |         | ppb   |
| Terbium    | 159-1 |          |          |          | 116        |         | %     |
| Terbium    | 159-2 |          |          |          | 96         |         | %     |
| Thallium   | 203-1 | 425.87   | 434.69   | 443.18   | 434.58     | 1.99    | ppb   |
| Thallium   | 205-1 | 437.10   | 461.35   | 464.98   | 454.48     | 3.34    | ppb   |
| Thorium    | 232-1 | 0.01     | 0.02     | 0.03     | 0.02       | 51.38   | ppb   |
| Tin        | 118-1 | 415.58   | 410.93   | 410.30   | 412.27     | 0.70    | ppb   |
| Titanium   | 47-1  | 2230.57  | 2245.70  | 2244.15  | 2240.14    | 0.37    | ppb   |
| Uranium    | 238-1 | 431.98   | 450.54   | 457.52   | 446.68     | 2.95    | ppb   |
| Vanadium   | 51-2  | 461.77   | 456.63   | 459.34   | 459.25     | 0.56    | ppb   |
| Yttrium    | 89-1  |          |          |          | 106        |         | %     |
| Yttrium    | 89-2  |          |          |          | 94         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03A           | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:34:15 | DataFile Name :   | 050SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 830.99  | 834.34  | 834.64  | 833.32     | 0.24    | ppb   |
| Zirconium | 90-1 | 401.01  | 394.78  | 392.69  | 396.16     | 1.09    | ppb   |
| Zirconium | 91-1 | 412.82  | 407.21  | 407.95  | 409.32     | 0.74    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV46               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV46               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 16:56:48 | DataFile Name :   | 051CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Aluminium  | 27-2  | 53326.99  | 52983.14  | 53409.11  | 53239.75   | 0.42    | ppb   |
| Antimony   | 121-1 | 514.06    | 510.05    | 514.89    | 513.00     | 0.50    | ppb   |
| Arsenic    | 75-2  | 532.14    | 529.28    | 541.64    | 534.35     | 1.21    | ppb   |
| Barium     | 135-1 | 2277.60   | 2278.11   | 2226.09   | 2260.60    | 1.32    | ppb   |
| Barium     | 137-1 | 2406.51   | 2404.81   | 2382.62   | 2397.98    | 0.56    | ppb   |
| Beryllium  | 9-1   | 497.24    | 499.60    | 497.99    | 498.28     | 0.24    | ppb   |
| Bismuth    | 209-1 |           |           |           | 84         |         | %     |
| Bismuth    | 209-2 |           |           |           | 84         |         | %     |
| Boron      | 10-1  | 447.76    | 473.32    | 472.23    | 464.44     | 3.11    | ppb   |
| Boron      | 11-1  | 455.99    | 469.71    | 473.84    | 466.51     | 2.00    | ppb   |
| Cadmium    | 111-1 | 500.60    | 505.60    | 492.68    | 499.63     | 1.30    | ppb   |
| Cadmium    | 106-1 | 475.55    | 484.22    | 465.35    | 475.04     | 1.99    | ppb   |
| Cadmium    | 108-1 | 492.67    | 495.28    | 498.06    | 495.34     | 0.54    | ppb   |
| Calcium    | 43-1  | 242489.53 | 247022.39 | 243808.56 | 244440.16  | 0.95    | ppb   |
| Calcium    | 44-1  | 255238.96 | 260146.62 | 257092.54 | 257492.71  | 0.96    | ppb   |
| Chromium   | 52-2  | 506.22    | 505.26    | 508.64    | 506.71     | 0.34    | ppb   |
| Cobalt     | 59-2  | 493.95    | 502.70    | 500.32    | 498.99     | 0.91    | ppb   |
| Copper     | 63-2  | 1011.17   | 1012.40   | 1018.70   | 1014.09    | 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 |           |           |           | 102        |         | %     |
| Holmium    | 165-2 |           |           |           | 92         |         | %     |
| Indium     | 115-1 |           |           |           | 79         |         | %     |
| Indium     | 115-2 |           |           |           | 83         |         | %     |
| Iron       | 56-2  | 129216.93 | 127200.23 | 127211.27 | 127876.14  | 0.91    | ppb   |
| Iron       | 57-2  | 133326.52 | 133371.83 | 133877.92 | 133525.42  | 0.23    | ppb   |
| Krypton    | 83-1  |           |           |           |            |         | cps   |
| Lead       | 206-1 | 504.70    | 497.45    | 493.70    | 498.62     | 1.12    | ppb   |
| Lead       | 207-1 | 498.41    | 497.75    | 498.09    | 498.08     | 0.07    | ppb   |
| Lead       | 208-1 | 518.93    | 519.36    | 513.76    | 517.35     | 0.60    | ppb   |
| Lithium    | 6-1   |           |           |           | 76         |         | %     |
| Magnesium  | 24-2  | 245031.73 | 242281.00 | 243137.31 | 243483.35  | 0.58    | ppb   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV46               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV46               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 16:56:48 | DataFile Name :   | 051CCV.d |

| Parameter  | Mass  | ConRep1   | ConRep2   | ConRep3   | Avg. Conc. | ConcRSD | Units |
|------------|-------|-----------|-----------|-----------|------------|---------|-------|
| Manganese  | 55-2  | 1007.42   | 1009.52   | 1008.18   | 1008.37    | 0.11    | ppb   |
| Molybdenum | 94-1  | 2650.93   | 2639.67   | 2628.87   | 2639.82    | 0.42    | ppb   |
| Molybdenum | 95-1  | 2659.47   | 2649.02   | 2638.51   | 2649.00    | 0.40    | ppb   |
| Molybdenum | 96-1  | 2643.41   | 2643.94   | 2646.55   | 2644.63    | 0.06    | ppb   |
| Molybdenum | 97-1  | 2446.45   | 2433.26   | 2444.96   | 2441.56    | 0.30    | ppb   |
| Molybdenum | 98-1  | 2636.19   | 2640.37   | 2640.22   | 2638.92    | 0.09    | ppb   |
| Neodymium  | 150-1 |           |           |           |            |         | cps   |
| Neodymium  | 150-2 |           |           |           |            |         | cps   |
| Nickel     | 60-2  | 490.00    | 493.37    | 501.33    | 494.90     | 1.18    | ppb   |
| Phosphorus | 31-2  | 9859.48   | 9715.58   | 9943.21   | 9839.42    | 1.17    | ppb   |
| Potassium  | 39-2  | 122261.07 | 120357.69 | 120181.06 | 120933.27  | 0.95    | ppb   |
| Rhodium    | 103-1 |           |           |           | 72         |         | %     |
| Rhodium    | 103-2 |           |           |           | 79         |         | %     |
| Scandium   | 45-1  |           |           |           | 73         |         | %     |
| Scandium   | 45-2  |           |           |           | 81         |         | %     |
| Selenium   | 77-2  | 560.81    | 474.76    | 493.79    | 509.79     | 8.87    | ppb   |
| Selenium   | 78-2  | 550.71    | 495.22    | 523.35    | 523.10     | 5.30    | ppb   |
| Selenium   | 82-1  | 507.28    | 504.32    | 512.54    | 508.05     | 0.82    | ppb   |
| Silicon    | 28-1  | 497.75    | 510.87    | 507.47    | 505.36     | 1.35    | ppb   |
| Silver     | 109-1 | 474.30    | 474.09    | 474.28    | 474.22     | 0.02    | ppb   |
| Silver     | 107-1 | 473.68    | 477.02    | 475.31    | 475.34     | 0.35    | ppb   |
| Sodium     | 23-2  | 246687.55 | 241931.34 | 244297.60 | 244305.50  | 0.97    | ppb   |
| Strontium  | 86-1  | 510.97    | 508.04    | 505.26    | 508.09     | 0.56    | ppb   |
| Strontium  | 88-1  | 543.11    | 542.70    | 537.45    | 541.09     | 0.58    | ppb   |
| Sulfur     | 34-1  | 8739.78   | 9212.01   | 8620.27   | 8857.35    | 3.53    | ppb   |
| Terbium    | 159-1 |           |           |           | 100        |         | %     |
| Terbium    | 159-2 |           |           |           | 91         |         | %     |
| Thallium   | 203-1 | 494.28    | 495.82    | 486.37    | 492.16     | 1.03    | ppb   |
| Thallium   | 205-1 | 534.00    | 535.56    | 527.48    | 532.34     | 0.81    | ppb   |
| Thorium    | 232-1 | 552.51    | 555.59    | 546.52    | 551.54     | 0.84    | ppb   |
| Tin        | 118-1 | 437.71    | 438.58    | 437.38    | 437.89     | 0.14    | ppb   |
| Titanium   | 47-1  | 2464.95   | 2509.55   | 2497.31   | 2490.60    | 0.93    | ppb   |
| Uranium    | 238-1 | 547.59    | 548.80    | 546.64    | 547.68     | 0.20    | ppb   |
| Vanadium   | 51-2  | 505.55    | 507.51    | 507.00    | 506.69     | 0.20    | ppb   |
| Yttrium    | 89-1  |           |           |           | 85         |         | %     |
| Yttrium    | 89-2  |           |           |           | 86         |         | %     |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV46               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV46               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 16:56:48 | DataFile Name :   | 051CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 1025.91 | 1023.70 | 1017.52 | 1022.38    | 0.43    | ppb   |
| Zirconium | 90-1 | 505.23  | 504.01  | 501.97  | 503.74     | 0.33    | ppb   |
| Zirconium | 91-1 | 501.28  | 508.12  | 505.01  | 504.80     | 0.68    | ppb   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB46 Instrumnet Name : P7  
 Client Sample ID : CCB46 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 17:05:03 DataFile Name : 052CCBE.d

| Parameter  | Mass  | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|------------|-------|---------|---------|---------|------------|---------|-------|
| Aluminium  | 27-2  | -0.41   | -0.41   | -0.41   | -0.41      |         | ppb   |
| Antimony   | 121-1 | 0.21    | 0.21    | 0.18    | 0.20       | 7.19    | ppb   |
| Arsenic    | 75-2  | 0.00    | -0.04   | 0.05    | 0.00       | 940.83  | ppb   |
| Barium     | 135-1 | 0.03    | -0.02   | -0.02   | 0.00       |         | ppb   |
| Barium     | 137-1 | 0.04    | 0.03    | 0.01    | 0.03       | 51.31   | ppb   |
| Beryllium  | 9-1   | 0.02    | 0.02    | 0.00    | 0.01       | 106.93  | ppb   |
| Bismuth    | 209-1 |         |         |         | 97         |         | %     |
| Bismuth    | 209-2 |         |         |         | 94         |         | %     |
| Boron      | 10-1  | 7.39    | 8.90    | 7.15    | 7.81       | 12.11   | ppb   |
| Boron      | 11-1  | 8.68    | 8.10    | 7.72    | 8.16       | 5.92    | ppb   |
| Cadmium    | 111-1 | -0.36   | -0.09   | -0.14   | -0.20      |         | ppb   |
| Cadmium    | 106-1 | -4.29   | -1.49   | -1.84   | -2.54      |         | ppb   |
| Cadmium    | 108-1 | -0.06   | -0.06   | -0.06   | -0.06      |         | ppb   |
| Calcium    | 43-1  | 5.41    | -0.50   | 2.52    | 2.48       | 119.25  | ppb   |
| Calcium    | 44-1  | -1.49   | -2.19   | 0.45    | -1.08      |         | ppb   |
| Chromium   | 52-2  | -0.02   | 0.11    | 0.02    | 0.04       | 168.08  | ppb   |
| Cobalt     | 59-2  | -0.03   | -0.02   | -0.02   | -0.02      |         | ppb   |
| Copper     | 63-2  | -0.02   | -0.01   | -0.09   | -0.04      |         | ppb   |
| Dysprosium | 156-1 |         |         |         |            |         | cps   |
| Dysprosium | 156-2 |         |         |         |            |         | cps   |
| Erbium     | 164-1 |         |         |         |            |         | cps   |
| Erbium     | 164-2 |         |         |         |            |         | cps   |
| Gadolinium | 160-1 |         |         |         |            |         | cps   |
| Gadolinium | 160-2 |         |         |         |            |         | cps   |
| Holmium    | 165-1 |         |         |         | 104        |         | %     |
| Holmium    | 165-2 |         |         |         | 93         |         | %     |
| Indium     | 115-1 |         |         |         | 88         |         | %     |
| Indium     | 115-2 |         |         |         | 90         |         | %     |
| Iron       | 56-2  | 1.84    | 1.37    | 1.60    | 1.60       | 14.83   | ppb   |
| Iron       | 57-2  | -0.75   | -0.77   | -0.72   | -0.74      |         | ppb   |
| Krypton    | 83-1  |         |         |         |            |         | cps   |
| Lead       | 206-1 | 0.05    | 0.04    | 0.04    | 0.05       | 12.37   | ppb   |
| Lead       | 207-1 | 0.00    | -0.01   | 0.01    | 0.00       | 385.45  | ppb   |
| Lead       | 208-1 | 0.02    | 0.02    | 0.02    | 0.02       | 20.87   | ppb   |
| Lithium    | 6-1   |         |         |         | 82         |         | %     |
| Magnesium  | 24-2  | 2.52    | 3.86    | 3.06    | 3.14       | 21.45   | ppb   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB46               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB46               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 17:05:03 | DataFile Name :   | 052CCBE.d |

| Parameter  | Mass  | ConRep1  | ConRep2  | ConRep3  | Avg. Conc. | ConcRSD | Units |
|------------|-------|----------|----------|----------|------------|---------|-------|
| Manganese  | 55-2  | -0.03    | -0.01    | 0.00     | -0.01      |         | ppb   |
| Molybdenum | 94-1  | 0.07     | 0.07     | 0.13     | 0.09       | 33.75   | ppb   |
| Molybdenum | 95-1  | 0.11     | 0.09     | 0.09     | 0.10       | 13.24   | ppb   |
| Molybdenum | 96-1  | 0.16     | 0.11     | 0.09     | 0.12       | 33.99   | ppb   |
| Molybdenum | 97-1  | 0.08     | 0.09     | 0.02     | 0.06       | 56.45   | ppb   |
| Molybdenum | 98-1  | 0.09     | 0.04     | 0.04     | 0.06       | 48.64   | ppb   |
| Neodymium  | 150-1 |          |          |          |            |         | cps   |
| Neodymium  | 150-2 |          |          |          |            |         | cps   |
| Nickel     | 60-2  | -0.09    | -0.01    | -0.07    | -0.06      |         | ppb   |
| Phosphorus | 31-2  | -45.05   | -37.73   | -14.82   | -32.53     |         | ppb   |
| Potassium  | 39-2  | -10.19   | -14.28   | -17.05   | -13.84     |         | ppb   |
| Rhodium    | 103-1 |          |          |          | 86         |         | %     |
| Rhodium    | 103-2 |          |          |          | 91         |         | %     |
| Scandium   | 45-1  |          |          |          | 80         |         | %     |
| Scandium   | 45-2  |          |          |          | 86         |         | %     |
| Selenium   | 77-2  | 0.00     | 0.00     | 0.00     | 0.00       | N/A     | ppb   |
| Selenium   | 78-2  | 0.45     | 1.34     | -3.16    | -0.46      |         | ppb   |
| Selenium   | 82-1  | 0.12     | -0.57    | 1.04     | 0.19       | 419.24  | ppb   |
| Silicon    | 28-1  | -3.49    | -2.90    | -3.39    | -3.26      |         | ppb   |
| Silver     | 109-1 | 0.01     | 0.01     | 0.02     | 0.01       | 71.52   | ppb   |
| Silver     | 107-1 | 0.01     | 0.00     | 0.03     | 0.01       | 93.74   | ppb   |
| Sodium     | 23-2  | -0.36    | -0.71    | 1.27     | 0.07       | 1583.98 | ppb   |
| Strontium  | 86-1  | -0.02    | -0.04    | 0.03     | -0.01      |         | ppb   |
| Strontium  | 88-1  | 0.00     | 0.00     | 0.00     | 0.00       |         | ppb   |
| Sulfur     | 34-1  | -1128.43 | -1147.49 | -1104.94 | -1126.95   |         | ppb   |
| Terbium    | 159-1 |          |          |          | 104        |         | %     |
| Terbium    | 159-2 |          |          |          | 92         |         | %     |
| Thallium   | 203-1 | 0.01     | 0.01     | 0.01     | 0.01       | 47.42   | ppb   |
| Thallium   | 205-1 | 0.02     | 0.02     | 0.02     | 0.02       | 16.95   | ppb   |
| Thorium    | 232-1 | 0.03     | 0.03     | 0.03     | 0.03       | 2.60    | ppb   |
| Tin        | 118-1 | 0.01     | -0.01    | 0.01     | 0.00       | 357.63  | ppb   |
| Titanium   | 47-1  | 0.07     | 0.07     | 0.07     | 0.07       | 1.61    | ppb   |
| Uranium    | 238-1 | -0.01    | -0.02    | -0.01    | -0.01      |         | ppb   |
| Vanadium   | 51-2  | 0.00     | 0.00     | 0.01     | 0.00       | 233.77  | ppb   |
| Yttrium    | 89-1  |          |          |          | 98         |         | %     |
| Yttrium    | 89-2  |          |          |          | 90         |         | %     |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB46               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB46               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 17:05:03 | DataFile Name :   | 052CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|-----------|------|---------|---------|---------|------------|---------|-------|
| Zinc      | 66-2 | 0.02    | -0.20   | -0.14   | -0.11      |         | ppb   |
| Zirconium | 90-1 | 0.07    | 0.00    | 0.00    | 0.02       | 156.23  | ppb   |
| Zirconium | 91-1 | 0.06    | 0.00    | 0.04    | 0.03       | 87.10   | ppb   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S0 Instrumnet Name : P7  
 Client Sample ID : S0 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:03:33 DataFile Name : 003CALB.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 25      | 33      | 0       | 19      | 89.21  | cps   |
| Antimony   | 121-1 | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Arsenic    | 75-2  | 2       | 0       | 4       | 2       | 100.00 | cps   |
| Barium     | 135-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Barium     | 137-1 | 8       | 0       | 17      | 8       | 100.02 | cps   |
| Beryllium  | 9-1   | 70      | 40      | 43      | 51      | 32.17  | cps   |
| Bismuth    | 209-1 | 886536  | 885963  | 871647  | 881382  | 0.96   | cps   |
| Bismuth    | 209-2 | 511104  | 516464  | 511165  | 512911  | 0.60   | cps   |
| Boron      | 10-1  | 242     | 292     | 275     | 269     | 9.45   | cps   |
| Boron      | 11-1  | 1175    | 1208    | 1233    | 1206    | 2.43   | cps   |
| Cadmium    | 111-1 | 308     | 325     | 330     | 321     | 3.73   | cps   |
| Cadmium    | 106-1 | 433     | 458     | 458     | 450     | 3.21   | cps   |
| Cadmium    | 108-1 | 0       | 0       | 4       | 1       | 173.21 | cps   |
| Calcium    | 43-1  | 17      | 17      | 8       | 14      | 34.67  | cps   |
| Calcium    | 44-1  | 2667    | 2909    | 2800    | 2792    | 4.34   | cps   |
| Chromium   | 52-2  | 193     | 170     | 193     | 186     | 7.26   | cps   |
| Cobalt     | 59-2  | 20      | 23      | 33      | 26      | 27.15  | cps   |
| Copper     | 63-2  | 117     | 103     | 83      | 101     | 16.60  | cps   |
| Dysprosium | 156-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Erbium     | 164-2 | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Gadolinium | 160-1 | 25      | 8       | 0       | 11      | 114.58 | cps   |
| Gadolinium | 160-2 | 23      | 33      | 20      | 26      | 27.15  | cps   |
| Holmium    | 165-1 | 1375674 | 1377118 | 1388678 | 1380490 | 0.52   | cps   |
| Holmium    | 165-2 | 768017  | 773961  | 768159  | 770045  | 0.44   | cps   |
| Indium     | 115-1 | 1057928 | 1041327 | 1031586 | 1043614 | 1.28   | cps   |
| Indium     | 115-2 | 202286  | 202746  | 204439  | 203157  | 0.56   | cps   |
| Iron       | 56-2  | 800     | 861     | 883     | 848     | 5.09   | cps   |
| Iron       | 57-2  | 50      | 50      | 39      | 46      | 13.85  | cps   |
| Krypton    | 83-1  | 57      | 50      | 50      | 52      | 7.37   | cps   |
| Lead       | 206-1 | 56      | 39      | 56      | 50      | 19.25  | cps   |
| Lead       | 207-1 | 78      | 67      | 83      | 76      | 11.18  | cps   |
| Lead       | 208-1 | 283     | 244     | 311     | 280     | 11.98  | cps   |
| Lithium    | 6-1   | 787505  | 779088  | 781446  | 782680  | 0.55   | cps   |
| Magnesium  | 24-2  | 8       | 42      | 17      | 22      | 78.07  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:03:33 | DataFile Name :   | 003CALB.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 17      | 33      | 10      | 20      | 60.08  | cps   |
| Molybdenum | 94-1  | 25      | 75      | 42      | 47      | 53.91  | cps   |
| Molybdenum | 95-1  | 17      | 0       | 25      | 14      | 91.65  | cps   |
| Molybdenum | 96-1  | 25      | 33      | 42      | 33      | 25.01  | cps   |
| Molybdenum | 97-1  | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Molybdenum | 98-1  | 25      | 25      | 25      | 25      | 0.00   | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 17      | 23      | 10      | 17      | 39.99  | cps   |
| Phosphorus | 31-2  | 67      | 42      | 25      | 44      | 47.19  | cps   |
| Potassium  | 39-2  | 4809    | 5134    | 4643    | 4862    | 5.14   | cps   |
| Rhodium    | 103-1 | 1066940 | 1052633 | 1053968 | 1057847 | 0.75   | cps   |
| Rhodium    | 103-2 | 488861  | 490492  | 491821  | 490391  | 0.30   | cps   |
| Scandium   | 45-1  | 1256644 | 1249900 | 1251013 | 1252519 | 0.29   | cps   |
| Scandium   | 45-2  | 55587   | 55882   | 55688   | 55719   | 0.27   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 17      | 13      | 26      | 19      | 36.07  | cps   |
| Selenium   | 82-1  | 45      | 44      | 48      | 45      | 4.32   | cps   |
| Silicon    | 28-1  | 56541   | 54634   | 56641   | 55938   | 2.02   | cps   |
| Silver     | 109-1 | 17      | 0       | 8       | 8       | 100.02 | cps   |
| Silver     | 107-1 | 8       | 17      | 33      | 19      | 65.47  | cps   |
| Sodium     | 23-2  | 5176    | 4818    | 4693    | 4895    | 5.13   | cps   |
| Strontium  | 86-1  | 75      | 83      | 50      | 69      | 24.98  | cps   |
| Strontium  | 88-1  | 75      | 17      | 58      | 50      | 60.09  | cps   |
| Sulfur     | 34-1  | 114747  | 113034  | 114504  | 114095  | 0.81   | cps   |
| Terbium    | 159-1 | 1430183 | 1430866 | 1434519 | 1431856 | 0.16   | cps   |
| Terbium    | 159-2 | 763763  | 771925  | 767241  | 767643  | 0.53   | cps   |
| Thallium   | 203-1 | 67      | 17      | 25      | 36      | 74.18  | cps   |
| Thallium   | 205-1 | 167     | 100     | 92      | 119     | 34.42  | cps   |
| Thorium    | 232-1 | 28      | 44      | 17      | 30      | 47.18  | cps   |
| Tin        | 118-1 | 75      | 58      | 58      | 64      | 15.05  | cps   |
| Titanium   | 47-1  | 42      | 8       | 8       | 19      | 99.00  | cps   |
| Uranium    | 238-1 | 108     | 67      | 117     | 97      | 27.55  | cps   |
| Vanadium   | 51-2  | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Yttrium    | 89-1  | 1376388 | 1377785 | 1374395 | 1376189 | 0.12   | cps   |
| Yttrium    | 89-2  | 201485  | 202823  | 202668  | 202325  | 0.36   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S0                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S0                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:03:33 | DataFile Name :   | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 13   | 47   | 53   | 38      | 56.73  | cps   |
| Zirconium | 90-1 | 67   | 117  | 117  | 100     | 28.87  | cps   |
| Zirconium | 91-1 | 25   | 25   | 25   | 25      | 0.00   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S2                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:11:08 | DataFile Name :   | 005CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 392     | 600     | 508     | 500     | 20.88  | cps   |
| Antimony   | 121-1 | 2275    | 2125    | 2167    | 2189    | 3.54   | cps   |
| Arsenic    | 75-2  | 35      | 44      | 43      | 41      | 12.01  | cps   |
| Barium     | 135-1 | 2984    | 3034    | 3309    | 3109    | 5.63   | cps   |
| Barium     | 137-1 | 5593    | 5335    | 5293    | 5407    | 3.01   | cps   |
| Beryllium  | 9-1   | 583     | 660     | 657     | 633     | 6.84   | cps   |
| Bismuth    | 209-1 | 872957  | 858048  | 867289  | 866098  | 0.87   | cps   |
| Bismuth    | 209-2 | 493390  | 501126  | 498132  | 497549  | 0.78   | cps   |
| Boron      | 10-1  | 2817    | 2984    | 2800    | 2867    | 3.54   | cps   |
| Boron      | 11-1  | 12047   | 12222   | 12514   | 12261   | 1.92   | cps   |
| Cadmium    | 111-1 | 723     | 653     | 618     | 665     | 8.06   | cps   |
| Cadmium    | 106-1 | 600     | 533     | 492     | 542     | 10.09  | cps   |
| Cadmium    | 108-1 | 25      | 42      | 25      | 31      | 31.50  | cps   |
| Calcium    | 43-1  | 3584    | 3184    | 3534    | 3434    | 6.35   | cps   |
| Calcium    | 44-1  | 58098   | 57019   | 58207   | 57774   | 1.14   | cps   |
| Chromium   | 52-2  | 1240    | 1330    | 1100    | 1223    | 9.47   | cps   |
| Cobalt     | 59-2  | 640     | 690     | 753     | 694     | 8.18   | cps   |
| Copper     | 63-2  | 1003    | 893     | 923     | 940     | 6.05   | cps   |
| Dysprosium | 156-1 | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Gadolinium | 160-2 | 23      | 17      | 33      | 24      | 34.31  | cps   |
| Holmium    | 165-1 | 1421257 | 1423121 | 1412165 | 1418848 | 0.41   | cps   |
| Holmium    | 165-2 | 746061  | 753062  | 752181  | 750435  | 0.51   | cps   |
| Indium     | 115-1 | 1034073 | 1015684 | 1033307 | 1027688 | 1.01   | cps   |
| Indium     | 115-2 | 194754  | 196539  | 198375  | 196556  | 0.92   | cps   |
| Iron       | 56-2  | 22890   | 23124   | 22278   | 22764   | 1.92   | cps   |
| Iron       | 57-2  | 578     | 572     | 606     | 585     | 3.05   | cps   |
| Krypton    | 83-1  | 90      | 30      | 57      | 59      | 51.05  | cps   |
| Lead       | 206-1 | 1056    | 967     | 972     | 998     | 4.99   | cps   |
| Lead       | 207-1 | 828     | 689     | 650     | 722     | 12.94  | cps   |
| Lead       | 208-1 | 3778    | 3634    | 3550    | 3654    | 3.15   | cps   |
| Lithium    | 6-1   | 777997  | 776064  | 781290  | 778450  | 0.34   | cps   |
| Magnesium  | 24-2  | 29805   | 29162   | 29480   | 29482   | 1.09   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:11:08 | DataFile Name :   | 005CALS.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 357     | 377     | 357     | 363     | 3.18   | cps   |
| Molybdenum | 94-1  | 2984    | 3050    | 3059    | 3031    | 1.36   | cps   |
| Molybdenum | 95-1  | 3826    | 3842    | 3892    | 3853    | 0.90   | cps   |
| Molybdenum | 96-1  | 4284    | 4518    | 4167    | 4323    | 4.12   | cps   |
| Molybdenum | 97-1  | 2309    | 2359    | 2759    | 2475    | 9.97   | cps   |
| Molybdenum | 98-1  | 6552    | 6343    | 6277    | 6391    | 2.25   | cps   |
| Neodymium  | 150-1 | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 217     | 157     | 243     | 206     | 21.59  | cps   |
| Phosphorus | 31-2  | 83      | 92      | 150     | 108     | 33.53  | cps   |
| Potassium  | 39-2  | 27935   | 28445   | 27042   | 27807   | 2.55   | cps   |
| Rhodium    | 103-1 | 1028926 | 1020528 | 1033896 | 1027783 | 0.66   | cps   |
| Rhodium    | 103-2 | 474259  | 482474  | 480311  | 479015  | 0.89   | cps   |
| Scandium   | 45-1  | 1241186 | 1216594 | 1221485 | 1226421 | 1.06   | cps   |
| Scandium   | 45-2  | 53670   | 54811   | 53848   | 54110   | 1.13   | cps   |
| Selenium   | 77-2  | 7       | 7       | 7       | 7       | 0.00   | cps   |
| Selenium   | 78-2  | 28      | 22      | 28      | 26      | 12.38  | cps   |
| Selenium   | 82-1  | 168     | 218     | 169     | 185     | 15.44  | cps   |
| Silicon    | 28-1  | 70391   | 69654   | 67687   | 69244   | 2.02   | cps   |
| Silver     | 109-1 | 1458    | 1450    | 1508    | 1472    | 2.14   | cps   |
| Silver     | 107-1 | 1317    | 1533    | 1392    | 1414    | 7.78   | cps   |
| Sodium     | 23-2  | 62498   | 63744   | 62732   | 62991   | 1.05   | cps   |
| Strontium  | 86-1  | 725     | 550     | 533     | 603     | 17.61  | cps   |
| Strontium  | 88-1  | 4167    | 4034    | 4051    | 4084    | 1.78   | cps   |
| Sulfur     | 34-1  | 114185  | 113261  | 112850  | 113432  | 0.60   | cps   |
| Terbium    | 159-1 | 1471957 | 1478878 | 1476311 | 1475715 | 0.24   | cps   |
| Terbium    | 159-2 | 742717  | 746155  | 751390  | 746754  | 0.58   | cps   |
| Thallium   | 203-1 | 1175    | 825     | 1025    | 1008    | 17.41  | cps   |
| Thallium   | 205-1 | 2400    | 2350    | 2992    | 2581    | 13.83  | cps   |
| Thorium    | 232-1 | 4234    | 4234    | 4418    | 4295    | 2.47   | cps   |
| Tin        | 118-1 | 5101    | 5326    | 5210    | 5212    | 2.16   | cps   |
| Titanium   | 47-1  | 1600    | 1775    | 1517    | 1631    | 8.09   | cps   |
| Uranium    | 238-1 | 4451    | 4709    | 4751    | 4637    | 3.51   | cps   |
| Vanadium   | 51-2  | 2614    | 2480    | 2450    | 2515    | 3.46   | cps   |
| Yttrium    | 89-1  | 1439949 | 1425226 | 1437681 | 1434285 | 0.55   | cps   |
| Yttrium    | 89-2  | 195018  | 195143  | 199410  | 196524  | 1.27   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S2                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S2                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:11:08 | DataFile Name :   | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 197  | 183  | 147  | 176     | 14.75  | cps   |
| Zirconium | 90-1 | 2675 | 2559 | 2750 | 2661    | 3.63   | cps   |
| Zirconium | 91-1 | 675  | 608  | 483  | 589     | 16.52  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S3 Instrumnet Name : P7  
 Client Sample ID : S3 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:15:05 DataFile Name : 006CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 24579   | 25005   | 24412   | 24666   | 1.24   | cps   |
| Antimony   | 121-1 | 59811   | 59276   | 59159   | 59415   | 0.59   | cps   |
| Arsenic    | 75-2  | 2263    | 2354    | 2276    | 2298    | 2.14   | cps   |
| Barium     | 135-1 | 82529   | 84138   | 82755   | 83141   | 1.05   | cps   |
| Barium     | 137-1 | 147998  | 142316  | 144982  | 145099  | 1.96   | cps   |
| Beryllium  | 9-1   | 34065   | 33754   | 33173   | 33664   | 1.34   | cps   |
| Bismuth    | 209-1 | 888209  | 884254  | 885702  | 886055  | 0.23   | cps   |
| Bismuth    | 209-2 | 511108  | 515912  | 510572  | 512531  | 0.57   | cps   |
| Boron      | 10-1  | 5693    | 6152    | 6110    | 5985    | 4.24   | cps   |
| Boron      | 11-1  | 24646   | 24546   | 25105   | 24765   | 1.20   | cps   |
| Cadmium    | 111-1 | 16894   | 17062   | 16611   | 16856   | 1.35   | cps   |
| Cadmium    | 106-1 | 2467    | 2659    | 2334    | 2486    | 6.57   | cps   |
| Cadmium    | 108-1 | 1429    | 1238    | 1408    | 1358    | 7.74   | cps   |
| Calcium    | 43-1  | 35627   | 35393   | 35853   | 35624   | 0.65   | cps   |
| Calcium    | 44-1  | 590290  | 577068  | 584468  | 583942  | 1.13   | cps   |
| Chromium   | 52-2  | 29062   | 29326   | 29176   | 29188   | 0.45   | cps   |
| Cobalt     | 59-2  | 37475   | 37822   | 37622   | 37639   | 0.46   | cps   |
| Copper     | 63-2  | 44842   | 46012   | 45206   | 45353   | 1.32   | cps   |
| Dysprosium | 156-1 | 17      | 0       | 0       | 6       | 173.21 | cps   |
| Dysprosium | 156-2 | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Erbium     | 164-2 | 3       | 0       | 7       | 3       | 100.05 | cps   |
| Gadolinium | 160-1 | 8       | 33      | 17      | 19      | 65.47  | cps   |
| Gadolinium | 160-2 | 17      | 7       | 33      | 19      | 71.30  | cps   |
| Holmium    | 165-1 | 1450736 | 1436634 | 1445360 | 1444243 | 0.49   | cps   |
| Holmium    | 165-2 | 775972  | 769379  | 761144  | 768832  | 0.97   | cps   |
| Indium     | 115-1 | 1031649 | 1022134 | 1034310 | 1029364 | 0.62   | cps   |
| Indium     | 115-2 | 198763  | 198735  | 197162  | 198220  | 0.46   | cps   |
| Iron       | 56-2  | 1067023 | 1066950 | 1068154 | 1067376 | 0.06   | cps   |
| Iron       | 57-2  | 27009   | 27159   | 26942   | 27036   | 0.41   | cps   |
| Krypton    | 83-1  | 63      | 57      | 53      | 58      | 8.81   | cps   |
| Lead       | 206-1 | 48762   | 48745   | 48623   | 48710   | 0.16   | cps   |
| Lead       | 207-1 | 43633   | 43382   | 42836   | 43284   | 0.94   | cps   |
| Lead       | 208-1 | 198455  | 196915  | 196930  | 197433  | 0.45   | cps   |
| Lithium    | 6-1   | 789084  | 784548  | 786524  | 786719  | 0.29   | cps   |
| Magnesium  | 24-2  | 300677  | 299592  | 302070  | 300779  | 0.41   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S3 Instrumnet Name : P7  
 Client Sample ID : S3 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:15:05 DataFile Name : 006CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 32640   | 32860   | 33505   | 33002   | 1.36   | cps   |
| Molybdenum | 94-1  | 171289  | 169528  | 170052  | 170290  | 0.53   | cps   |
| Molybdenum | 95-1  | 209431  | 208333  | 209712  | 209159  | 0.35   | cps   |
| Molybdenum | 96-1  | 235481  | 232980  | 233151  | 233871  | 0.60   | cps   |
| Molybdenum | 97-1  | 131401  | 128273  | 129298  | 129657  | 1.23   | cps   |
| Molybdenum | 98-1  | 336246  | 334261  | 331683  | 334064  | 0.68   | cps   |
| Neodymium  | 150-1 | 13      | 0       | 7       | 7       | 99.98  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 9547    | 9236    | 9193    | 9325    | 2.07   | cps   |
| Phosphorus | 31-2  | 1550    | 1433    | 1358    | 1447    | 6.67   | cps   |
| Potassium  | 39-2  | 129050  | 128781  | 131049  | 129627  | 0.96   | cps   |
| Rhodium    | 103-1 | 1035448 | 1032035 | 1036443 | 1034642 | 0.22   | cps   |
| Rhodium    | 103-2 | 473231  | 480559  | 476541  | 476777  | 0.77   | cps   |
| Scandium   | 45-1  | 1232059 | 1214016 | 1232313 | 1226129 | 0.86   | cps   |
| Scandium   | 45-2  | 54978   | 54834   | 53229   | 54347   | 1.79   | cps   |
| Selenium   | 77-2  | 77      | 50      | 63      | 63      | 21.06  | cps   |
| Selenium   | 78-2  | 217     | 263     | 226     | 235     | 10.42  | cps   |
| Selenium   | 82-1  | 1685    | 1604    | 1660    | 1650    | 2.52   | cps   |
| Silicon    | 28-1  | 136710  | 135778  | 136258  | 136249  | 0.34   | cps   |
| Silver     | 109-1 | 74313   | 72729   | 73005   | 73349   | 1.15   | cps   |
| Silver     | 107-1 | 76909   | 76641   | 77621   | 77057   | 0.66   | cps   |
| Sodium     | 23-2  | 610504  | 610028  | 611603  | 610711  | 0.13   | cps   |
| Strontium  | 86-1  | 26158   | 25273   | 25908   | 25780   | 1.77   | cps   |
| Strontium  | 88-1  | 221188  | 218797  | 224027  | 221337  | 1.18   | cps   |
| Sulfur     | 34-1  | 125063  | 123474  | 121937  | 123492  | 1.27   | cps   |
| Terbium    | 159-1 | 1511225 | 1501358 | 1509590 | 1507391 | 0.35   | cps   |
| Terbium    | 159-2 | 762514  | 763689  | 758476  | 761560  | 0.36   | cps   |
| Thallium   | 203-1 | 58036   | 56186   | 56119   | 56781   | 1.92   | cps   |
| Thallium   | 205-1 | 138349  | 134283  | 137414  | 136682  | 1.56   | cps   |
| Thorium    | 232-1 | 255318  | 253716  | 256680  | 255238  | 0.58   | cps   |
| Tin        | 118-1 | 51395   | 50332   | 51621   | 51116   | 1.35   | cps   |
| Titanium   | 47-1  | 79288   | 77671   | 77503   | 78154   | 1.26   | cps   |
| Uranium    | 238-1 | 256926  | 253187  | 255589  | 255234  | 0.74   | cps   |
| Vanadium   | 51-2  | 25462   | 24541   | 24521   | 24841   | 2.17   | cps   |
| Yttrium    | 89-1  | 1440859 | 1441363 | 1453894 | 1445372 | 0.51   | cps   |
| Yttrium    | 89-2  | 198709  | 198206  | 198518  | 198477  | 0.13   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S3                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S3                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:15:05 | DataFile Name :   | 006CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zinc      | 66-2 | 7082   | 7172   | 7312   | 7189    | 1.61   | cps   |
| Zirconium | 90-1 | 138507 | 138870 | 136395 | 137924  | 0.97   | cps   |
| Zirconium | 91-1 | 30550  | 32020  | 31661  | 31410   | 2.44   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S4 Instrumnet Name : P7  
 Client Sample ID : S4 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:19:01 DataFile Name : 007CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 57646   | 57704   | 57737   | 57696   | 0.08   | cps   |
| Antimony   | 121-1 | 148303  | 146272  | 144049  | 146208  | 1.46   | cps   |
| Arsenic    | 75-2  | 5344    | 5407    | 5579    | 5443    | 2.24   | cps   |
| Barium     | 135-1 | 209320  | 203858  | 204660  | 205946  | 1.43   | cps   |
| Barium     | 137-1 | 358585  | 354226  | 355206  | 356005  | 0.64   | cps   |
| Beryllium  | 9-1   | 80019   | 79380   | 79155   | 79518   | 0.56   | cps   |
| Bismuth    | 209-1 | 888455  | 879377  | 883764  | 883865  | 0.51   | cps   |
| Bismuth    | 209-2 | 502799  | 504645  | 498706  | 502050  | 0.61   | cps   |
| Boron      | 10-1  | 13190   | 14641   | 13682   | 13837   | 5.33   | cps   |
| Boron      | 11-1  | 57962   | 57560   | 57536   | 57686   | 0.41   | cps   |
| Cadmium    | 111-1 | 40590   | 40431   | 40384   | 40468   | 0.27   | cps   |
| Cadmium    | 106-1 | 5310    | 4759    | 5626    | 5232    | 8.39   | cps   |
| Cadmium    | 108-1 | 3134    | 3234    | 3338    | 3235    | 3.16   | cps   |
| Calcium    | 43-1  | 87005   | 86495   | 85581   | 86360   | 0.84   | cps   |
| Calcium    | 44-1  | 1372806 | 1370629 | 1357215 | 1366883 | 0.62   | cps   |
| Chromium   | 52-2  | 67477   | 67738   | 67326   | 67514   | 0.31   | cps   |
| Cobalt     | 59-2  | 88827   | 87361   | 86097   | 87428   | 1.56   | cps   |
| Copper     | 63-2  | 106182  | 105345  | 104301  | 105276  | 0.89   | cps   |
| Dysprosium | 156-1 | 0       | 8       | 0       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 7       | 3       | 13      | 8       | 65.47  | cps   |
| Erbium     | 164-1 | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Erbium     | 164-2 | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Gadolinium | 160-1 | 0       | 0       | 25      | 8       | 173.21 | cps   |
| Gadolinium | 160-2 | 30      | 33      | 23      | 29      | 17.63  | cps   |
| Holmium    | 165-1 | 1449443 | 1420611 | 1434316 | 1434790 | 1.01   | cps   |
| Holmium    | 165-2 | 755135  | 762606  | 753505  | 757082  | 0.64   | cps   |
| Indium     | 115-1 | 1025378 | 1004579 | 1007110 | 1012356 | 1.12   | cps   |
| Indium     | 115-2 | 189357  | 190665  | 188466  | 189496  | 0.58   | cps   |
| Iron       | 56-2  | 2417841 | 2387035 | 2377870 | 2394249 | 0.87   | cps   |
| Iron       | 57-2  | 61523   | 61439   | 59833   | 60932   | 1.56   | cps   |
| Krypton    | 83-1  | 40      | 50      | 37      | 42      | 16.43  | cps   |
| Lead       | 206-1 | 121691  | 122525  | 120877  | 121698  | 0.68   | cps   |
| Lead       | 207-1 | 107191  | 106255  | 106742  | 106729  | 0.44   | cps   |
| Lead       | 208-1 | 489521  | 489953  | 489318  | 489597  | 0.07   | cps   |
| Lithium    | 6-1   | 769500  | 757444  | 757838  | 761594  | 0.90   | cps   |
| Magnesium  | 24-2  | 702863  | 699139  | 696416  | 699473  | 0.46   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S4 Instrumnet Name : P7  
 Client Sample ID : S4 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:19:01 DataFile Name : 007CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 78753   | 77600   | 77299   | 77884   | 0.99   | cps   |
| Molybdenum | 94-1  | 411674  | 407077  | 406681  | 408477  | 0.68   | cps   |
| Molybdenum | 95-1  | 507504  | 501344  | 505566  | 504804  | 0.62   | cps   |
| Molybdenum | 96-1  | 567309  | 562210  | 568547  | 566022  | 0.59   | cps   |
| Molybdenum | 97-1  | 317868  | 312820  | 313444  | 314711  | 0.87   | cps   |
| Molybdenum | 98-1  | 811570  | 808051  | 804831  | 808151  | 0.42   | cps   |
| Neodymium  | 150-1 | 13      | 13      | 0       | 9       | 86.60  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 21559   | 21683   | 21292   | 21512   | 0.93   | cps   |
| Phosphorus | 31-2  | 3075    | 2917    | 3092    | 3028    | 3.19   | cps   |
| Potassium  | 39-2  | 294261  | 293962  | 295850  | 294691  | 0.34   | cps   |
| Rhodium    | 103-1 | 1015921 | 1005134 | 992676  | 1004577 | 1.16   | cps   |
| Rhodium    | 103-2 | 456810  | 455278  | 449225  | 453771  | 0.88   | cps   |
| Scandium   | 45-1  | 1188871 | 1180939 | 1171027 | 1180279 | 0.76   | cps   |
| Scandium   | 45-2  | 51556   | 50767   | 51078   | 51133   | 0.78   | cps   |
| Selenium   | 77-2  | 133     | 167     | 143     | 148     | 11.57  | cps   |
| Selenium   | 78-2  | 632     | 576     | 530     | 579     | 8.81   | cps   |
| Selenium   | 82-1  | 3973    | 3906    | 3859    | 3913    | 1.46   | cps   |
| Silicon    | 28-1  | 245973  | 246281  | 242232  | 244828  | 0.92   | cps   |
| Silver     | 109-1 | 178572  | 177215  | 178354  | 178047  | 0.41   | cps   |
| Silver     | 107-1 | 183669  | 185537  | 184064  | 184423  | 0.53   | cps   |
| Sodium     | 23-2  | 1407225 | 1406840 | 1388836 | 1400967 | 0.75   | cps   |
| Strontium  | 86-1  | 63056   | 62579   | 63717   | 63117   | 0.91   | cps   |
| Strontium  | 88-1  | 538918  | 534788  | 537601  | 537102  | 0.39   | cps   |
| Sulfur     | 34-1  | 138227  | 137293  | 135334  | 136952  | 1.08   | cps   |
| Terbium    | 159-1 | 1500628 | 1483413 | 1491055 | 1491699 | 0.58   | cps   |
| Terbium    | 159-2 | 741504  | 747704  | 749147  | 746118  | 0.54   | cps   |
| Thallium   | 203-1 | 142214  | 140502  | 139214  | 140643  | 1.07   | cps   |
| Thallium   | 205-1 | 345487  | 344396  | 344124  | 344669  | 0.21   | cps   |
| Thorium    | 232-1 | 645576  | 650623  | 643173  | 646457  | 0.59   | cps   |
| Tin        | 118-1 | 125615  | 122750  | 125801  | 124722  | 1.37   | cps   |
| Titanium   | 47-1  | 192557  | 188253  | 187511  | 189440  | 1.44   | cps   |
| Uranium    | 238-1 | 641150  | 643852  | 647739  | 644247  | 0.51   | cps   |
| Vanadium   | 51-2  | 57783   | 57873   | 56662   | 57439   | 1.17   | cps   |
| Yttrium    | 89-1  | 1411325 | 1397057 | 1392421 | 1400267 | 0.70   | cps   |
| Yttrium    | 89-2  | 190562  | 189184  | 189186  | 189644  | 0.42   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S4                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S4                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:19:01 | DataFile Name :   | 007CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zinc      | 66-2 | 16530  | 16249  | 16393  | 16391   | 0.86   | cps   |
| Zirconium | 90-1 | 338028 | 339648 | 334173 | 337283  | 0.83   | cps   |
| Zirconium | 91-1 | 77359  | 76689  | 75960  | 76669   | 0.91   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:22:58 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 106972  | 105856  | 109574  | 107468  | 1.78   | cps   |
| Antimony   | 121-1 | 286475  | 283425  | 286103  | 285335  | 0.58   | cps   |
| Arsenic    | 75-2  | 10322   | 10400   | 10367   | 10363   | 0.38   | cps   |
| Barium     | 135-1 | 401088  | 399691  | 394473  | 398418  | 0.88   | cps   |
| Barium     | 137-1 | 694067  | 693769  | 689325  | 692387  | 0.38   | cps   |
| Beryllium  | 9-1   | 148423  | 146366  | 144311  | 146367  | 1.40   | cps   |
| Bismuth    | 209-1 | 865654  | 881929  | 878847  | 875477  | 0.99   | cps   |
| Bismuth    | 209-2 | 507622  | 500853  | 506354  | 504943  | 0.71   | cps   |
| Boron      | 10-1  | 25781   | 26132   | 25856   | 25923   | 0.71   | cps   |
| Boron      | 11-1  | 106431  | 106675  | 108227  | 107111  | 0.91   | cps   |
| Cadmium    | 111-1 | 76503   | 75998   | 76474   | 76325   | 0.37   | cps   |
| Cadmium    | 106-1 | 9595    | 8820    | 9695    | 9370    | 5.11   | cps   |
| Cadmium    | 108-1 | 5956    | 6272    | 5810    | 6012    | 3.93   | cps   |
| Calcium    | 43-1  | 160772  | 157228  | 157050  | 158350  | 1.33   | cps   |
| Calcium    | 44-1  | 2554640 | 2528288 | 2521603 | 2534844 | 0.69   | cps   |
| Chromium   | 52-2  | 126984  | 126712  | 128043  | 127246  | 0.55   | cps   |
| Cobalt     | 59-2  | 163994  | 165470  | 165261  | 164908  | 0.48   | cps   |
| Copper     | 63-2  | 196875  | 198476  | 197775  | 197709  | 0.41   | cps   |
| Dysprosium | 156-1 | 0       | 17      | 0       | 6       | 173.21 | cps   |
| Dysprosium | 156-2 | 0       | 10      | 10      | 7       | 86.60  | cps   |
| Erbium     | 164-1 | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Erbium     | 164-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Gadolinium | 160-1 | 25      | 0       | 8       | 11      | 114.58 | cps   |
| Gadolinium | 160-2 | 20      | 20      | 23      | 21      | 9.11   | cps   |
| Holmium    | 165-1 | 1427382 | 1439006 | 1416465 | 1427618 | 0.79   | cps   |
| Holmium    | 165-2 | 761330  | 760542  | 771614  | 764495  | 0.81   | cps   |
| Indium     | 115-1 | 977064  | 982017  | 968849  | 975977  | 0.68   | cps   |
| Indium     | 115-2 | 187172  | 185483  | 189862  | 187506  | 1.18   | cps   |
| Iron       | 56-2  | 4536271 | 4522061 | 4503488 | 4520606 | 0.36   | cps   |
| Iron       | 57-2  | 114840  | 115989  | 115909  | 115579  | 0.56   | cps   |
| Krypton    | 83-1  | 53      | 50      | 37      | 47      | 18.89  | cps   |
| Lead       | 206-1 | 244762  | 244064  | 243339  | 244055  | 0.29   | cps   |
| Lead       | 207-1 | 214961  | 215672  | 212020  | 214217  | 0.90   | cps   |
| Lead       | 208-1 | 994437  | 991583  | 985838  | 990619  | 0.44   | cps   |
| Lithium    | 6-1   | 714173  | 711630  | 712747  | 712850  | 0.18   | cps   |
| Magnesium  | 24-2  | 1288042 | 1284542 | 1291305 | 1287963 | 0.26   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S5                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:22:58 | DataFile Name :   | 008CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 147204  | 146230  | 146658  | 146697  | 0.33   | cps   |
| Molybdenum | 94-1  | 784748  | 783214  | 770737  | 779567  | 0.99   | cps   |
| Molybdenum | 95-1  | 963961  | 956685  | 962148  | 960931  | 0.39   | cps   |
| Molybdenum | 96-1  | 1075145 | 1073263 | 1065187 | 1071198 | 0.49   | cps   |
| Molybdenum | 97-1  | 602456  | 594071  | 593570  | 596699  | 0.84   | cps   |
| Molybdenum | 98-1  | 1517685 | 1517678 | 1511412 | 1515592 | 0.24   | cps   |
| Neodymium  | 150-1 | 40      | 13      | 27      | 27      | 50.01  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Nickel     | 60-2  | 40379   | 39630   | 39700   | 39903   | 1.04   | cps   |
| Phosphorus | 31-2  | 5418    | 5776    | 6060    | 5751    | 5.59   | cps   |
| Potassium  | 39-2  | 550659  | 541942  | 547285  | 546629  | 0.80   | cps   |
| Rhodium    | 103-1 | 936983  | 936003  | 927273  | 933420  | 0.57   | cps   |
| Rhodium    | 103-2 | 446505  | 442881  | 450075  | 446487  | 0.81   | cps   |
| Scandium   | 45-1  | 1081827 | 1087698 | 1077876 | 1082467 | 0.46   | cps   |
| Scandium   | 45-2  | 50242   | 49469   | 50305   | 50005   | 0.93   | cps   |
| Selenium   | 77-2  | 300     | 283     | 383     | 322     | 16.63  | cps   |
| Selenium   | 78-2  | 1072    | 1044    | 1039    | 1052    | 1.70   | cps   |
| Selenium   | 82-1  | 7383    | 7597    | 7405    | 7461    | 1.57   | cps   |
| Silicon    | 28-1  | 398235  | 395652  | 396258  | 396715  | 0.34   | cps   |
| Silver     | 109-1 | 340167  | 336849  | 330931  | 335982  | 1.39   | cps   |
| Silver     | 107-1 | 353046  | 349412  | 347468  | 349975  | 0.81   | cps   |
| Sodium     | 23-2  | 2658878 | 2629365 | 2637441 | 2641894 | 0.58   | cps   |
| Strontium  | 86-1  | 120150  | 122687  | 118697  | 120511  | 1.68   | cps   |
| Strontium  | 88-1  | 1024915 | 1026303 | 1011200 | 1020806 | 0.82   | cps   |
| Sulfur     | 34-1  | 150620  | 151209  | 149687  | 150505  | 0.51   | cps   |
| Terbium    | 159-1 | 1476406 | 1480521 | 1473326 | 1476751 | 0.24   | cps   |
| Terbium    | 159-2 | 752458  | 757206  | 764577  | 758080  | 0.81   | cps   |
| Thallium   | 203-1 | 283331  | 287494  | 282500  | 284442  | 0.94   | cps   |
| Thallium   | 205-1 | 698543  | 701790  | 697266  | 699199  | 0.33   | cps   |
| Thorium    | 232-1 | 1268849 | 1277289 | 1267557 | 1271232 | 0.42   | cps   |
| Tin        | 118-1 | 245167  | 243304  | 240553  | 243008  | 0.96   | cps   |
| Titanium   | 47-1  | 351195  | 348516  | 344836  | 348182  | 0.92   | cps   |
| Uranium    | 238-1 | 1266600 | 1267611 | 1274634 | 1269615 | 0.34   | cps   |
| Vanadium   | 51-2  | 109264  | 109076  | 109509  | 109283  | 0.20   | cps   |
| Yttrium    | 89-1  | 1347001 | 1369972 | 1335246 | 1350740 | 1.31   | cps   |
| Yttrium    | 89-2  | 186450  | 186548  | 190076  | 187692  | 1.10   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S5                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S5                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:22:58 | DataFile Name :   | 008CALS.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zinc      | 66-2 | 30332  | 30682  | 30452  | 30489   | 0.58   | cps   |
| Zirconium | 90-1 | 654636 | 664505 | 641684 | 653609  | 1.75   | cps   |
| Zirconium | 91-1 | 147545 | 147781 | 145315 | 146880  | 0.93   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S6 Instrumnet Name : P7  
 Client Sample ID : S6 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:26:53 DataFile Name : 009CAL.S.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 214518  | 214714  | 215100  | 214777  | 0.14   | cps   |
| Antimony   | 121-1 | 576003  | 569639  | 573254  | 572965  | 0.56   | cps   |
| Arsenic    | 75-2  | 20893   | 20585   | 20730   | 20736   | 0.74   | cps   |
| Barium     | 135-1 | 804157  | 800288  | 794827  | 799757  | 0.59   | cps   |
| Barium     | 137-1 | 1367672 | 1355699 | 1357555 | 1360309 | 0.47   | cps   |
| Beryllium  | 9-1   | 283846  | 283665  | 278147  | 281886  | 1.15   | cps   |
| Bismuth    | 209-1 | 741328  | 846483  | 847785  | 811865  | 7.52   | cps   |
| Bismuth    | 209-2 | 483800  | 486764  | 494219  | 488261  | 1.10   | cps   |
| Boron      | 10-1  | 50360   | 51338   | 52199   | 51299   | 1.79   | cps   |
| Boron      | 11-1  | 208731  | 213261  | 212375  | 211456  | 1.14   | cps   |
| Cadmium    | 111-1 | 153336  | 152768  | 150744  | 152283  | 0.89   | cps   |
| Cadmium    | 106-1 | 19139   | 18162   | 18338   | 18546   | 2.81   | cps   |
| Cadmium    | 108-1 | 12426   | 11997   | 12418   | 12281   | 2.00   | cps   |
| Calcium    | 43-1  | 313727  | 312918  | 313883  | 313509  | 0.17   | cps   |
| Calcium    | 44-1  | 5056054 | 4999185 | 4977828 | 5011022 | 0.81   | cps   |
| Chromium   | 52-2  | 251897  | 252573  | 254187  | 252886  | 0.47   | cps   |
| Cobalt     | 59-2  | 323545  | 323733  | 328811  | 325363  | 0.92   | cps   |
| Copper     | 63-2  | 383902  | 389607  | 390134  | 387881  | 0.89   | cps   |
| Dysprosium | 156-1 | 0       | 8       | 25      | 11      | 114.58 | cps   |
| Dysprosium | 156-2 | 10      | 17      | 13      | 13      | 25.01  | cps   |
| Erbium     | 164-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Erbium     | 164-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Gadolinium | 160-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Gadolinium | 160-2 | 17      | 33      | 33      | 28      | 34.63  | cps   |
| Holmium    | 165-1 | 1239601 | 1420063 | 1424971 | 1361545 | 7.76   | cps   |
| Holmium    | 165-2 | 751134  | 755489  | 757689  | 754771  | 0.44   | cps   |
| Indium     | 115-1 | 824789  | 942009  | 951102  | 905967  | 7.78   | cps   |
| Indium     | 115-2 | 179590  | 179832  | 184625  | 181349  | 1.57   | cps   |
| Iron       | 56-2  | 9047189 | 8982362 | 9051999 | 9027183 | 0.43   | cps   |
| Iron       | 57-2  | 229422  | 230109  | 233891  | 231141  | 1.04   | cps   |
| Krypton    | 83-1  | 40      | 27      | 50      | 39      | 30.10  | cps   |
| Lead       | 206-1 | 476291  | 481186  | 474118  | 477198  | 0.76   | cps   |
| Lead       | 207-1 | 432086  | 428790  | 430987  | 430621  | 0.39   | cps   |
| Lead       | 208-1 | 1945491 | 1939252 | 1938543 | 1941095 | 0.20   | cps   |
| Lithium    | 6-1   | 612948  | 686876  | 685008  | 661611  | 6.37   | cps   |
| Magnesium  | 24-2  | 2534965 | 2517432 | 2552392 | 2534930 | 0.69   | cps   |



|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S6                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:26:53 | DataFile Name :   | 009CAL.S.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 290187  | 288268  | 291371  | 289942  | 0.54   | cps   |
| Molybdenum | 94-1  | 1529939 | 1516114 | 1520051 | 1522035 | 0.47   | cps   |
| Molybdenum | 95-1  | 1903564 | 1912040 | 1901841 | 1905815 | 0.29   | cps   |
| Molybdenum | 96-1  | 2147120 | 2115773 | 2125869 | 2129588 | 0.75   | cps   |
| Molybdenum | 97-1  | 1160993 | 1146129 | 1155995 | 1154372 | 0.66   | cps   |
| Molybdenum | 98-1  | 3064602 | 3018341 | 3026585 | 3036509 | 0.81   | cps   |
| Neodymium  | 150-1 | 73      | 47      | 93      | 71      | 32.92  | cps   |
| Neodymium  | 150-2 | 0       | 7       | 13      | 7       | 99.98  | cps   |
| Nickel     | 60-2  | 76475   | 77996   | 79357   | 77942   | 1.85   | cps   |
| Phosphorus | 31-2  | 10729   | 11972   | 11947   | 11549   | 6.15   | cps   |
| Potassium  | 39-2  | 1078400 | 1078843 | 1089709 | 1082317 | 0.59   | cps   |
| Rhodium    | 103-1 | 786126  | 900661  | 900378  | 862388  | 7.66   | cps   |
| Rhodium    | 103-2 | 427013  | 430730  | 437541  | 431761  | 1.24   | cps   |
| Scandium   | 45-1  | 919809  | 1051418 | 1048926 | 1006717 | 7.48   | cps   |
| Scandium   | 45-2  | 48439   | 48757   | 49516   | 48904   | 1.13   | cps   |
| Selenium   | 77-2  | 607     | 687     | 633     | 642     | 6.34   | cps   |
| Selenium   | 78-2  | 2213    | 2122    | 2019    | 2118    | 4.59   | cps   |
| Selenium   | 82-1  | 14533   | 14524   | 14290   | 14449   | 0.95   | cps   |
| Silicon    | 28-1  | 724108  | 727255  | 728303  | 726555  | 0.30   | cps   |
| Silver     | 109-1 | 660485  | 660460  | 658931  | 659958  | 0.13   | cps   |
| Silver     | 107-1 | 692748  | 686547  | 692205  | 690500  | 0.50   | cps   |
| Sodium     | 23-2  | 5238926 | 5245416 | 5286590 | 5256977 | 0.49   | cps   |
| Strontium  | 86-1  | 238802  | 236023  | 236890  | 237238  | 0.60   | cps   |
| Strontium  | 88-1  | 2034261 | 2008626 | 2009852 | 2017580 | 0.72   | cps   |
| Sulfur     | 34-1  | 209341  | 206700  | 206520  | 207520  | 0.76   | cps   |
| Terbium    | 159-1 | 1285760 | 1467497 | 1466274 | 1406510 | 7.44   | cps   |
| Terbium    | 159-2 | 743719  | 752218  | 755359  | 750432  | 0.80   | cps   |
| Thallium   | 203-1 | 575988  | 577490  | 576864  | 576781  | 0.13   | cps   |
| Thallium   | 205-1 | 1366551 | 1372932 | 1367984 | 1369156 | 0.24   | cps   |
| Thorium    | 232-1 | 2628224 | 2604590 | 2593145 | 2608653 | 0.69   | cps   |
| Tin        | 118-1 | 485013  | 482160  | 482318  | 483164  | 0.33   | cps   |
| Titanium   | 47-1  | 686951  | 682896  | 675501  | 681783  | 0.85   | cps   |
| Uranium    | 238-1 | 2626486 | 2600729 | 2574479 | 2600564 | 1.00   | cps   |
| Vanadium   | 51-2  | 218943  | 219366  | 220254  | 219521  | 0.30   | cps   |
| Yttrium    | 89-1  | 1149775 | 1311225 | 1321709 | 1260903 | 7.64   | cps   |
| Yttrium    | 89-2  | 180222  | 183172  | 185934  | 183109  | 1.56   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S6                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S6                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:26:53 | DataFile Name :   | 009CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 61837   | 63340   | 63980   | 63052   | 1.74   | cps   |
| Zirconium | 90-1 | 1310859 | 1298915 | 1313568 | 1307781 | 0.60   | cps   |
| Zirconium | 91-1 | 294736  | 290563  | 292356  | 292552  | 0.72   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S7 Instrumnet Name : P7  
 Client Sample ID : S7 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:30:46 DataFile Name : 010CAL.S.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 432128   | 434764   | 436032   | 434308   | 0.46   | cps   |
| Antimony   | 121-1 | 1121521  | 1124298  | 1123587  | 1123135  | 0.13   | cps   |
| Arsenic    | 75-2  | 41611    | 42499    | 43234    | 42448    | 1.91   | cps   |
| Barium     | 135-1 | 1557426  | 1568399  | 1559110  | 1561645  | 0.38   | cps   |
| Barium     | 137-1 | 2718642  | 2727961  | 2724924  | 2723842  | 0.17   | cps   |
| Beryllium  | 9-1   | 551479   | 550256   | 549015   | 550250   | 0.22   | cps   |
| Bismuth    | 209-1 | 828715   | 830393   | 821229   | 826779   | 0.59   | cps   |
| Bismuth    | 209-2 | 474272   | 480356   | 482717   | 479115   | 0.91   | cps   |
| Boron      | 10-1  | 100526   | 101405   | 100323   | 100751   | 0.57   | cps   |
| Boron      | 11-1  | 411618   | 418754   | 415610   | 415327   | 0.86   | cps   |
| Cadmium    | 111-1 | 314457   | 316142   | 310327   | 313642   | 0.95   | cps   |
| Cadmium    | 106-1 | 37467    | 36924    | 37108    | 37166    | 0.74   | cps   |
| Cadmium    | 108-1 | 25047    | 24847    | 24784    | 24893    | 0.55   | cps   |
| Calcium    | 43-1  | 631170   | 627311   | 626551   | 628344   | 0.39   | cps   |
| Calcium    | 44-1  | 10100939 | 10113128 | 10135885 | 10116651 | 0.18   | cps   |
| Chromium   | 52-2  | 514660   | 511443   | 516618   | 514240   | 0.51   | cps   |
| Cobalt     | 59-2  | 652835   | 663158   | 664801   | 660265   | 0.98   | cps   |
| Copper     | 63-2  | 837736   | 858525   | 858237   | 851499   | 1.40   | cps   |
| Dysprosium | 156-1 | 58       | 25       | 0        | 28       | 105.36 | cps   |
| Dysprosium | 156-2 | 20       | 17       | 27       | 21       | 24.12  | cps   |
| Erbium     | 164-1 | 0        | 25       | 8        | 11       | 114.58 | cps   |
| Erbium     | 164-2 | 7        | 3        | 3        | 4        | 43.40  | cps   |
| Gadolinium | 160-1 | 17       | 25       | 25       | 22       | 21.64  | cps   |
| Gadolinium | 160-2 | 27       | 37       | 30       | 31       | 16.37  | cps   |
| Holmium    | 165-1 | 1436010  | 1447185  | 1428565  | 1437253  | 0.65   | cps   |
| Holmium    | 165-2 | 752751   | 762559   | 770827   | 762046   | 1.19   | cps   |
| Indium     | 115-1 | 941703   | 936639   | 938689   | 939010   | 0.27   | cps   |
| Indium     | 115-2 | 176163   | 180640   | 181599   | 179468   | 1.62   | cps   |
| Iron       | 56-2  | 18136703 | 18167621 | 18264280 | 18189535 | 0.37   | cps   |
| Iron       | 57-2  | 463400   | 468742   | 472859   | 468334   | 1.01   | cps   |
| Krypton    | 83-1  | 47       | 40       | 53       | 47       | 14.28  | cps   |
| Lead       | 206-1 | 926446   | 938419   | 951129   | 938665   | 1.31   | cps   |
| Lead       | 207-1 | 842002   | 853144   | 853880   | 849676   | 0.78   | cps   |
| Lead       | 208-1 | 3802958  | 3851063  | 3835797  | 3829939  | 0.64   | cps   |
| Lithium    | 6-1   | 682678   | 678755   | 675042   | 678825   | 0.56   | cps   |
| Magnesium  | 24-2  | 5103596  | 5132058  | 5136588  | 5124081  | 0.35   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : S7 Instrumnet Name : P7  
 Client Sample ID : S7 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:30:46 DataFile Name : 010CAL.S.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 584156   | 587720   | 593652   | 588509   | 0.82   | cps   |
| Molybdenum | 94-1  | 3084711  | 3087774  | 3055208  | 3075898  | 0.58   | cps   |
| Molybdenum | 95-1  | 3835926  | 3855991  | 3802835  | 3831584  | 0.70   | cps   |
| Molybdenum | 96-1  | 4305174  | 4285415  | 4291342  | 4293977  | 0.24   | cps   |
| Molybdenum | 97-1  | 2345576  | 2360670  | 2350028  | 2352091  | 0.33   | cps   |
| Molybdenum | 98-1  | 6149862  | 6175337  | 6148444  | 6157881  | 0.25   | cps   |
| Neodymium  | 150-1 | 160      | 93       | 107      | 120      | 29.40  | cps   |
| Neodymium  | 150-2 | 20       | 0        | 20       | 13       | 86.60  | cps   |
| Nickel     | 60-2  | 156002   | 157973   | 159382   | 157786   | 1.08   | cps   |
| Phosphorus | 31-2  | 23452    | 22843    | 24371    | 23555    | 3.26   | cps   |
| Potassium  | 39-2  | 2130496  | 2152487  | 2152168  | 2145051  | 0.59   | cps   |
| Rhodium    | 103-1 | 889298   | 882149   | 879004   | 883484   | 0.60   | cps   |
| Rhodium    | 103-2 | 424988   | 433568   | 434430   | 430995   | 1.21   | cps   |
| Scandium   | 45-1  | 1079492  | 1067722  | 1067533  | 1071582  | 0.64   | cps   |
| Scandium   | 45-2  | 49462    | 50506    | 50904    | 50291    | 1.48   | cps   |
| Selenium   | 77-2  | 1260     | 1190     | 1270     | 1240     | 3.52   | cps   |
| Selenium   | 78-2  | 4128     | 4249     | 4204     | 4194     | 1.45   | cps   |
| Selenium   | 82-1  | 28621    | 28461    | 28374    | 28485    | 0.44   | cps   |
| Silicon    | 28-1  | 1373216  | 1369787  | 1376259  | 1373087  | 0.24   | cps   |
| Silver     | 109-1 | 1334237  | 1338356  | 1335660  | 1336084  | 0.16   | cps   |
| Silver     | 107-1 | 1386155  | 1401305  | 1374094  | 1387184  | 0.98   | cps   |
| Sodium     | 23-2  | 10599125 | 10674886 | 10634974 | 10636328 | 0.36   | cps   |
| Strontium  | 86-1  | 474731   | 474872   | 474047   | 474550   | 0.09   | cps   |
| Strontium  | 88-1  | 4068920  | 4077611  | 4048754  | 4065095  | 0.36   | cps   |
| Sulfur     | 34-1  | 326548   | 325810   | 323423   | 325261   | 0.50   | cps   |
| Terbium    | 159-1 | 1483076  | 1487262  | 1468048  | 1479462  | 0.68   | cps   |
| Terbium    | 159-2 | 742337   | 752337   | 753325   | 749333   | 0.81   | cps   |
| Thallium   | 203-1 | 1126923  | 1144844  | 1124295  | 1132021  | 0.99   | cps   |
| Thallium   | 205-1 | 2705394  | 2739292  | 2695208  | 2713298  | 0.85   | cps   |
| Thorium    | 232-1 | 5168602  | 5214048  | 5135750  | 5172800  | 0.76   | cps   |
| Tin        | 118-1 | 975055   | 968804   | 961925   | 968595   | 0.68   | cps   |
| Titanium   | 47-1  | 1359733  | 1357398  | 1352025  | 1356385  | 0.29   | cps   |
| Uranium    | 238-1 | 5211110  | 5215735  | 5136537  | 5187794  | 0.86   | cps   |
| Vanadium   | 51-2  | 443168   | 447028   | 449424   | 446540   | 0.71   | cps   |
| Yttrium    | 89-1  | 1335730  | 1341644  | 1334377  | 1337250  | 0.29   | cps   |
| Yttrium    | 89-2  | 184727   | 187536   | 188026   | 186763   | 0.95   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S7                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S7                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:30:46 | DataFile Name :   | 010CALS.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 133251  | 134701  | 137230  | 135061  | 1.49   | cps   |
| Zirconium | 90-1 | 2583681 | 2599465 | 2572061 | 2585069 | 0.53   | cps   |
| Zirconium | 91-1 | 579787  | 575007  | 564878  | 573224  | 1.33   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:34:37 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2077628  | 2101202  | 2096393  | 2091741  | 0.60   | cps   |
| Antimony   | 121-1 | 1809     | 1842     | 1634     | 1761     | 6.35   | cps   |
| Arsenic    | 75-2  | 54       | 61       | 57       | 57       | 6.45   | cps   |
| Barium     | 135-1 | 200      | 167      | 175      | 181      | 9.61   | cps   |
| Barium     | 137-1 | 367      | 300      | 300      | 322      | 11.94  | cps   |
| Beryllium  | 9-1   | 137      | 77       | 93       | 102      | 30.30  | cps   |
| Bismuth    | 209-1 | 718448   | 714380   | 704007   | 712278   | 1.05   | cps   |
| Bismuth    | 209-2 | 392213   | 418279   | 413907   | 408133   | 3.42   | cps   |
| Boron      | 10-1  | 4909     | 4918     | 4984     | 4937     | 0.83   | cps   |
| Boron      | 11-1  | 21908    | 20648    | 18887    | 20481    | 7.41   | cps   |
| Cadmium    | 111-1 | 298      | 370      | 378      | 349      | 12.67  | cps   |
| Cadmium    | 106-1 | 367      | 450      | 467      | 428      | 12.52  | cps   |
| Cadmium    | 108-1 | 13       | 4        | 4        | 7        | 69.23  | cps   |
| Calcium    | 43-1  | 3043356  | 3041289  | 3073830  | 3052825  | 0.60   | cps   |
| Calcium    | 44-1  | 50582215 | 50592397 | 50711647 | 50628753 | 0.14   | cps   |
| Chromium   | 52-2  | 9146     | 9196     | 9020     | 9121     | 1.00   | cps   |
| Cobalt     | 59-2  | 7555     | 7902     | 7999     | 7819     | 2.98   | cps   |
| Copper     | 63-2  | 1090     | 1107     | 1067     | 1088     | 1.85   | cps   |
| Dysprosium | 156-1 | 17       | 17       | 8        | 14       | 34.67  | cps   |
| Dysprosium | 156-2 | 20       | 13       | 13       | 16       | 24.76  | cps   |
| Erbium     | 164-1 | 33       | 0        | 17       | 17       | 99.99  | cps   |
| Erbium     | 164-2 | 3        | 13       | 10       | 9        | 57.30  | cps   |
| Gadolinium | 160-1 | 8        | 0        | 0        | 3        | 173.21 | cps   |
| Gadolinium | 160-2 | 27       | 23       | 27       | 26       | 7.55   | cps   |
| Holmium    | 165-1 | 1340606  | 1319589  | 1316342  | 1325513  | 0.99   | cps   |
| Holmium    | 165-2 | 680540   | 730539   | 722336   | 711139   | 3.77   | cps   |
| Indium     | 115-1 | 872588   | 858251   | 855743   | 862194   | 1.05   | cps   |
| Indium     | 115-2 | 165551   | 177477   | 175558   | 172862   | 3.70   | cps   |
| Iron       | 56-2  | 87638071 | 89470205 | 88586266 | 88564847 | 1.03   | cps   |
| Iron       | 57-2  | 2168754  | 2192988  | 2186487  | 2182743  | 0.57   | cps   |
| Krypton    | 83-1  | 63       | 63       | 73       | 67       | 8.66   | cps   |
| Lead       | 206-1 | 811      | 945      | 761      | 839      | 11.30  | cps   |
| Lead       | 207-1 | 667      | 572      | 556      | 598      | 10.02  | cps   |
| Lead       | 208-1 | 3061     | 3178     | 2756     | 2998     | 7.27   | cps   |
| Lithium    | 6-1   | 660395   | 661293   | 661491   | 661060   | 0.09   | cps   |
| Magnesium  | 24-2  | 24996212 | 25159301 | 25041430 | 25065647 | 0.34   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7         |
| Client Sample ID :      | S8                  | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:34:37 | DataFile Name :   | 011CAL.S.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1643     | 1793     | 1693     | 1710     | 4.47   | cps   |
| Molybdenum | 94-1  | 1667     | 1692     | 1592     | 1650     | 3.15   | cps   |
| Molybdenum | 95-1  | 2450     | 2192     | 2234     | 2292     | 6.05   | cps   |
| Molybdenum | 96-1  | 3609     | 3784     | 3617     | 3670     | 2.69   | cps   |
| Molybdenum | 97-1  | 1475     | 1417     | 1442     | 1445     | 2.03   | cps   |
| Molybdenum | 98-1  | 3809     | 3484     | 3734     | 3676     | 4.63   | cps   |
| Neodymium  | 150-1 | 13       | 20       | 33       | 22       | 45.83  | cps   |
| Neodymium  | 150-2 | 17       | 13       | 20       | 17       | 20.01  | cps   |
| Nickel     | 60-2  | 2924     | 3100     | 2974     | 2999     | 3.04   | cps   |
| Phosphorus | 31-2  | 67       | 58       | 33       | 53       | 32.86  | cps   |
| Potassium  | 39-2  | 10845661 | 11008773 | 10987915 | 10947450 | 0.81   | cps   |
| Rhodium    | 103-1 | 805396   | 806393   | 801744   | 804511   | 0.30   | cps   |
| Rhodium    | 103-2 | 365303   | 393707   | 389412   | 382807   | 4.00   | cps   |
| Scandium   | 45-1  | 1101784  | 1100539  | 1101605  | 1101309  | 0.06   | cps   |
| Scandium   | 45-2  | 47941    | 50008    | 49539    | 49163    | 2.20   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 11       | 11       | 17       | 13       | 24.76  | cps   |
| Selenium   | 82-1  | 43       | 37       | 27       | 35       | 23.06  | cps   |
| Silicon    | 28-1  | 290251   | 293214   | 297964   | 293810   | 1.32   | cps   |
| Silver     | 109-1 | 58       | 75       | 83       | 72       | 17.62  | cps   |
| Silver     | 107-1 | 92       | 83       | 58       | 78       | 22.30  | cps   |
| Sodium     | 23-2  | 52110236 | 52315529 | 52411003 | 52278923 | 0.29   | cps   |
| Strontium  | 86-1  | 2017     | 1992     | 1800     | 1936     | 6.12   | cps   |
| Strontium  | 88-1  | 16627    | 16302    | 16844    | 16591    | 1.65   | cps   |
| Sulfur     | 34-1  | 88101    | 86853    | 87565    | 87506    | 0.72   | cps   |
| Terbium    | 159-1 | 1375284  | 1377886  | 1364236  | 1372469  | 0.53   | cps   |
| Terbium    | 159-2 | 677745   | 715172   | 712831   | 701916   | 2.99   | cps   |
| Thallium   | 203-1 | 558      | 267      | 317      | 381      | 40.99  | cps   |
| Thallium   | 205-1 | 900      | 1025     | 800      | 908      | 12.41  | cps   |
| Thorium    | 232-1 | 833      | 767      | 722      | 774      | 7.22   | cps   |
| Tin        | 118-1 | 508      | 433      | 333      | 425      | 20.66  | cps   |
| Titanium   | 47-1  | 450      | 458      | 417      | 442      | 4.99   | cps   |
| Uranium    | 238-1 | 317      | 292      | 217      | 275      | 18.92  | cps   |
| Vanadium   | 51-2  | 117      | 107      | 97       | 107      | 9.37   | cps   |
| Yttrium    | 89-1  | 1289867  | 1282944  | 1281050  | 1284620  | 0.36   | cps   |
| Yttrium    | 89-2  | 173502   | 186972   | 186150   | 182208   | 4.14   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | S8                  | Instrumnet Name : | P7        |
| Client Sample ID :      | S8                  | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:34:37 | DataFile Name :   | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 1097 | 1090 | 1117 | 1101    | 1.26   | cps   |
| Zirconium | 90-1 | 692  | 650  | 808  | 717     | 11.45  | cps   |
| Zirconium | 91-1 | 167  | 225  | 117  | 169     | 32.00  | cps   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P7  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:46:29 DataFile Name : 012ICV01.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 11922   | 11813   | 12647   | 12128   | 3.74   | cps   |
| Antimony   | 121-1 | 236392  | 233841  | 230343  | 233525  | 1.30   | cps   |
| Arsenic    | 75-2  | 9474    | 9585    | 9340    | 9466    | 1.29   | cps   |
| Barium     | 135-1 | 33391   | 32998   | 33241   | 33210   | 0.60   | cps   |
| Barium     | 137-1 | 58340   | 55872   | 58583   | 57598   | 2.60   | cps   |
| Beryllium  | 9-1   | 62056   | 61855   | 61229   | 61714   | 0.70   | cps   |
| Bismuth    | 209-1 | 887200  | 872394  | 876329  | 878641  | 0.87   | cps   |
| Bismuth    | 209-2 | 505066  | 512193  | 512142  | 509800  | 0.80   | cps   |
| Boron      | 10-1  | 1408    | 1325    | 1192    | 1308    | 8.35   | cps   |
| Boron      | 11-1  | 5326    | 5334    | 5001    | 5221    | 3.64   | cps   |
| Cadmium    | 111-1 | 31928   | 31485   | 32004   | 31806   | 0.88   | cps   |
| Cadmium    | 106-1 | 3526    | 3034    | 3451    | 3337    | 7.94   | cps   |
| Cadmium    | 108-1 | 2571    | 2742    | 2417    | 2577    | 6.31   | cps   |
| Calcium    | 43-1  | 13665   | 13623   | 14107   | 13799   | 1.94   | cps   |
| Calcium    | 44-1  | 236041  | 233965  | 231164  | 233723  | 1.05   | cps   |
| Chromium   | 52-2  | 56006   | 57579   | 57278   | 56954   | 1.47   | cps   |
| Cobalt     | 59-2  | 73834   | 75801   | 74705   | 74780   | 1.32   | cps   |
| Copper     | 63-2  | 45287   | 44976   | 44494   | 44919   | 0.89   | cps   |
| Dysprosium | 156-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Erbium     | 164-2 | 0       | 3       | 13      | 6       | 124.93 | cps   |
| Gadolinium | 160-1 | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Gadolinium | 160-2 | 17      | 27      | 43      | 29      | 46.62  | cps   |
| Holmium    | 165-1 | 1463834 | 1448807 | 1441765 | 1451469 | 0.78   | cps   |
| Holmium    | 165-2 | 762117  | 763540  | 767811  | 764489  | 0.39   | cps   |
| Indium     | 115-1 | 1043001 | 1019998 | 1009087 | 1024029 | 1.69   | cps   |
| Indium     | 115-2 | 198557  | 200553  | 203070  | 200726  | 1.13   | cps   |
| Iron       | 56-2  | 424471  | 432633  | 432118  | 429741  | 1.06   | cps   |
| Iron       | 57-2  | 10804   | 10704   | 10637   | 10715   | 0.78   | cps   |
| Krypton    | 83-1  | 33      | 40      | 37      | 37      | 9.10   | cps   |
| Lead       | 206-1 | 197551  | 191515  | 196448  | 195171  | 1.65   | cps   |
| Lead       | 207-1 | 170605  | 169499  | 168548  | 169551  | 0.61   | cps   |
| Lead       | 208-1 | 790997  | 780702  | 785664  | 785788  | 0.66   | cps   |
| Lithium    | 6-1   | 767295  | 757536  | 747686  | 757506  | 1.29   | cps   |
| Magnesium  | 24-2  | 72710   | 74084   | 74343   | 73712   | 1.19   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICV01 Instrumnet Name : P7  
 Client Sample ID : ICV01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:46:29 DataFile Name : 012ICV01.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 31838   | 32433   | 32119   | 32130   | 0.93   | cps   |
| Molybdenum | 94-1  | 1068764 | 1046983 | 1044000 | 1053249 | 1.28   | cps   |
| Molybdenum | 95-1  | 1878991 | 1887079 | 1874302 | 1880124 | 0.34   | cps   |
| Molybdenum | 96-1  | 2023880 | 2014674 | 2035265 | 2024606 | 0.51   | cps   |
| Molybdenum | 97-1  | 1117156 | 1111335 | 1100963 | 1109818 | 0.74   | cps   |
| Molybdenum | 98-1  | 2993507 | 3002844 | 2977480 | 2991277 | 0.43   | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 17991   | 18275   | 18615   | 18294   | 1.71   | cps   |
| Phosphorus | 31-2  | 67      | 67      | 25      | 53      | 45.58  | cps   |
| Potassium  | 39-2  | 102788  | 105499  | 105188  | 104492  | 1.42   | cps   |
| Rhodium    | 103-1 | 1024173 | 1002880 | 989140  | 1005398 | 1.76   | cps   |
| Rhodium    | 103-2 | 474441  | 477404  | 481468  | 477771  | 0.74   | cps   |
| Scandium   | 45-1  | 1245286 | 1222434 | 1200664 | 1222795 | 1.82   | cps   |
| Scandium   | 45-2  | 53854   | 54309   | 54610   | 54258   | 0.70   | cps   |
| Selenium   | 77-2  | 297     | 350     | 277     | 308     | 12.32  | cps   |
| Selenium   | 78-2  | 870     | 991     | 957     | 940     | 6.62   | cps   |
| Selenium   | 82-1  | 6541    | 6343    | 6089    | 6324    | 3.58   | cps   |
| Silicon    | 28-1  | 61519   | 64197   | 64983   | 63566   | 2.86   | cps   |
| Silver     | 109-1 | 138102  | 134451  | 131885  | 134813  | 2.32   | cps   |
| Silver     | 107-1 | 142781  | 142352  | 139389  | 141507  | 1.31   | cps   |
| Sodium     | 23-2  | 249680  | 250618  | 251298  | 250532  | 0.32   | cps   |
| Strontium  | 86-1  | 1117    | 1217    | 1158    | 1164    | 4.32   | cps   |
| Strontium  | 88-1  | 11071   | 10337   | 10312   | 10574   | 4.08   | cps   |
| Sulfur     | 34-1  | 99330   | 97661   | 93224   | 96738   | 3.26   | cps   |
| Terbium    | 159-1 | 1521043 | 1514649 | 1506721 | 1514138 | 0.47   | cps   |
| Terbium    | 159-2 | 751561  | 758067  | 771607  | 760412  | 1.34   | cps   |
| Thallium   | 203-1 | 233679  | 228647  | 225879  | 229402  | 1.72   | cps   |
| Thallium   | 205-1 | 571415  | 560921  | 555710  | 562682  | 1.42   | cps   |
| Thorium    | 232-1 | 417     | 517     | 461     | 465     | 10.78  | cps   |
| Tin        | 118-1 | 117     | 125     | 133     | 125     | 6.67   | cps   |
| Titanium   | 47-1  | 740991  | 740613  | 723489  | 735031  | 1.36   | cps   |
| Uranium    | 238-1 | 33      | 33      | 25      | 31      | 15.74  | cps   |
| Vanadium   | 51-2  | 48717   | 49402   | 48958   | 49026   | 0.71   | cps   |
| Yttrium    | 89-1  | 1474212 | 1451879 | 1448005 | 1458032 | 0.97   | cps   |
| Yttrium    | 89-2  | 198362  | 201391  | 201870  | 200541  | 0.95   | cps   |

|                         |                     |                   |            |
|-------------------------|---------------------|-------------------|------------|
| LB Number :             | LB104174            | Operator :        | Jaswal     |
| Lab Sample ID :         | ICV01               | Instrumnet Name : | P7         |
| Client Sample ID :      | ICV01               | Dilution Factor : | 1          |
| Date & Time Acquired :: | 2019-07-23 13:46:29 | DataFile Name :   | 012ICV01.d |

| Parameter | Mass | CPS1  | CPS2  | CPS3  | CPSMean | CPSRSD | Units |
|-----------|------|-------|-------|-------|---------|--------|-------|
| Zinc      | 66-2 | 13246 | 13426 | 13920 | 13531   | 2.58   | cps   |
| Zirconium | 90-1 | 567   | 467   | 633   | 556     | 15.10  | cps   |
| Zirconium | 91-1 | 167   | 133   | 125   | 142     | 15.56  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:50:51 DataFile Name : 013CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 17      | 8       | 0       | 8       | 100.02 | cps   |
| Antimony   | 121-1 | 92      | 233     | 250     | 192     | 45.39  | cps   |
| Arsenic    | 75-2  | 0       | 2       | 6       | 2       | 114.63 | cps   |
| Barium     | 135-1 | 8       | 0       | 25      | 11      | 114.58 | cps   |
| Barium     | 137-1 | 0       | 17      | 0       | 6       | 173.21 | cps   |
| Beryllium  | 9-1   | 60      | 53      | 47      | 53      | 12.50  | cps   |
| Bismuth    | 209-1 | 893912  | 866015  | 872857  | 877594  | 1.66   | cps   |
| Bismuth    | 209-2 | 504599  | 511702  | 509228  | 508510  | 0.71   | cps   |
| Boron      | 10-1  | 775     | 933     | 1008    | 906     | 13.16  | cps   |
| Boron      | 11-1  | 3651    | 3367    | 3751    | 3589    | 5.54   | cps   |
| Cadmium    | 111-1 | 318     | 282     | 361     | 320     | 12.31  | cps   |
| Cadmium    | 106-1 | 458     | 383     | 500     | 447     | 13.22  | cps   |
| Cadmium    | 108-1 | 4       | 4       | 8       | 6       | 43.22  | cps   |
| Calcium    | 43-1  | 17      | 42      | 50      | 36      | 48.03  | cps   |
| Calcium    | 44-1  | 2750    | 2734    | 2692    | 2725    | 1.10   | cps   |
| Chromium   | 52-2  | 233     | 200     | 190     | 208     | 10.92  | cps   |
| Cobalt     | 59-2  | 17      | 0       | 7       | 8       | 107.84 | cps   |
| Copper     | 63-2  | 123     | 90      | 103     | 106     | 15.90  | cps   |
| Dysprosium | 156-1 | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Erbium     | 164-2 | 3       | 3       | 3       | 3       | 0.00   | cps   |
| Gadolinium | 160-1 | 0       | 8       | 0       | 3       | 173.21 | cps   |
| Gadolinium | 160-2 | 20      | 20      | 20      | 20      | 0.00   | cps   |
| Holmium    | 165-1 | 1427776 | 1435340 | 1445775 | 1436297 | 0.63   | cps   |
| Holmium    | 165-2 | 755742  | 768418  | 765525  | 763228  | 0.87   | cps   |
| Indium     | 115-1 | 1030882 | 1012373 | 1016985 | 1020080 | 0.94   | cps   |
| Indium     | 115-2 | 200351  | 199310  | 200298  | 199987  | 0.29   | cps   |
| Iron       | 56-2  | 906     | 833     | 750     | 830     | 9.38   | cps   |
| Iron       | 57-2  | 39      | 17      | 28      | 28      | 39.99  | cps   |
| Krypton    | 83-1  | 33      | 60      | 33      | 42      | 36.47  | cps   |
| Lead       | 206-1 | 106     | 89      | 72      | 89      | 18.75  | cps   |
| Lead       | 207-1 | 83      | 67      | 72      | 74      | 11.46  | cps   |
| Lead       | 208-1 | 372     | 356     | 322     | 350     | 7.28   | cps   |
| Lithium    | 6-1   | 766178  | 754289  | 754199  | 758222  | 0.91   | cps   |
| Magnesium  | 24-2  | 42      | 50      | 42      | 44      | 10.82  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICB01 Instrumnet Name : P7  
 Client Sample ID : ICB01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:50:51 DataFile Name : 013CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 7       | 13      | 23      | 14      | 58.06  | cps   |
| Molybdenum | 94-1  | 217     | 217     | 150     | 194     | 19.79  | cps   |
| Molybdenum | 95-1  | 333     | 308     | 233     | 292     | 17.84  | cps   |
| Molybdenum | 96-1  | 350     | 392     | 242     | 328     | 23.62  | cps   |
| Molybdenum | 97-1  | 183     | 158     | 183     | 175     | 8.25   | cps   |
| Molybdenum | 98-1  | 567     | 542     | 442     | 517     | 12.80  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 13      | 3       | 0       | 6       | 124.93 | cps   |
| Phosphorus | 31-2  | 42      | 33      | 42      | 39      | 12.38  | cps   |
| Potassium  | 39-2  | 5109    | 4951    | 5051    | 5037    | 1.59   | cps   |
| Rhodium    | 103-1 | 1039904 | 1023499 | 1021748 | 1028384 | 0.97   | cps   |
| Rhodium    | 103-2 | 479488  | 479791  | 481187  | 480155  | 0.19   | cps   |
| Scandium   | 45-1  | 1227380 | 1215242 | 1216682 | 1219768 | 0.54   | cps   |
| Scandium   | 45-2  | 54918   | 55075   | 55105   | 55033   | 0.18   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 15      | 22      | 15      | 17      | 24.76  | cps   |
| Selenium   | 82-1  | 44      | 21      | 67      | 44      | 51.12  | cps   |
| Silicon    | 28-1  | 54910   | 52928   | 53246   | 53695   | 1.98   | cps   |
| Silver     | 109-1 | 8       | 25      | 25      | 19      | 49.50  | cps   |
| Silver     | 107-1 | 50      | 33      | 50      | 44      | 21.66  | cps   |
| Sodium     | 23-2  | 7369    | 7944    | 7444    | 7586    | 4.12   | cps   |
| Strontium  | 86-1  | 50      | 75      | 125     | 83      | 45.83  | cps   |
| Strontium  | 88-1  | 75      | 42      | 75      | 64      | 30.12  | cps   |
| Sulfur     | 34-1  | 100832  | 100521  | 100002  | 100451  | 0.42   | cps   |
| Terbium    | 159-1 | 1512159 | 1494598 | 1516858 | 1507872 | 0.78   | cps   |
| Terbium    | 159-2 | 756524  | 756550  | 760289  | 757788  | 0.29   | cps   |
| Thallium   | 203-1 | 92      | 67      | 50      | 69      | 30.20  | cps   |
| Thallium   | 205-1 | 142     | 175     | 158     | 158     | 10.53  | cps   |
| Thorium    | 232-1 | 83      | 100     | 72      | 85      | 16.41  | cps   |
| Tin        | 118-1 | 75      | 125     | 125     | 108     | 26.65  | cps   |
| Titanium   | 47-1  | 83      | 67      | 108     | 86      | 24.35  | cps   |
| Uranium    | 238-1 | 0       | 8       | 0       | 3       | 173.21 | cps   |
| Vanadium   | 51-2  | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Yttrium    | 89-1  | 1448146 | 1455024 | 1470412 | 1457861 | 0.78   | cps   |
| Yttrium    | 89-2  | 198036  | 201851  | 200508  | 200132  | 0.97   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICB01               | Instrumnet Name : | P7        |
| Client Sample ID :      | ICB01               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:50:51 | DataFile Name :   | 013CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 17   | 23   | 17   | 19      | 20.36  | cps   |
| Zirconium | 90-1 | 100  | 58   | 100  | 86      | 27.93  | cps   |
| Zirconium | 91-1 | 33   | 0    | 8    | 14      | 124.91 | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICSA01 Instrumnet Name : P7  
 Client Sample ID : ICSA01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:54:28 DataFile Name : 014ICSA01.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2018018  | 2009363  | 2012408  | 2013263  | 0.22   | cps   |
| Antimony   | 121-1 | 1383     | 1325     | 1425     | 1378     | 3.65   | cps   |
| Arsenic    | 75-2  | 26       | 20       | 11       | 19       | 39.12  | cps   |
| Barium     | 135-1 | 450      | 400      | 442      | 431      | 6.22   | cps   |
| Barium     | 137-1 | 900      | 792      | 708      | 800      | 12.01  | cps   |
| Beryllium  | 9-1   | 177      | 197      | 203      | 192      | 7.22   | cps   |
| Bismuth    | 209-1 | 838954   | 836036   | 825402   | 833464   | 0.86   | cps   |
| Bismuth    | 209-2 | 486464   | 487904   | 484687   | 486352   | 0.33   | cps   |
| Boron      | 10-1  | 733      | 858      | 742      | 778      | 8.99   | cps   |
| Boron      | 11-1  | 3392     | 3609     | 2992     | 3331     | 9.39   | cps   |
| Cadmium    | 111-1 | 454      | 597      | 486      | 512      | 14.69  | cps   |
| Cadmium    | 106-1 | 475      | 525      | 442      | 481      | 8.73   | cps   |
| Cadmium    | 108-1 | 446      | 321      | 367      | 378      | 16.74  | cps   |
| Calcium    | 43-1  | 648659   | 655241   | 644169   | 649356   | 0.86   | cps   |
| Calcium    | 44-1  | 10637597 | 10705460 | 10598799 | 10647285 | 0.51   | cps   |
| Chromium   | 52-2  | 10864    | 11458    | 11168    | 11163    | 2.66   | cps   |
| Cobalt     | 59-2  | 830      | 857      | 850      | 846      | 1.64   | cps   |
| Copper     | 63-2  | 3264     | 3204     | 3250     | 3239     | 0.97   | cps   |
| Dysprosium | 156-1 | 0        | 0        | 8        | 3        | 173.21 | cps   |
| Dysprosium | 156-2 | 0        | 0        | 7        | 2        | 173.21 | cps   |
| Erbium     | 164-1 | 8        | 0        | 0        | 3        | 173.21 | cps   |
| Erbium     | 164-2 | 3        | 3        | 7        | 4        | 43.40  | cps   |
| Gadolinium | 160-1 | 0        | 25       | 25       | 17       | 86.60  | cps   |
| Gadolinium | 160-2 | 20       | 33       | 20       | 24       | 31.49  | cps   |
| Holmium    | 165-1 | 1468008  | 1490357  | 1476908  | 1478424  | 0.76   | cps   |
| Holmium    | 165-2 | 794715   | 790317   | 787958   | 790997   | 0.43   | cps   |
| Indium     | 115-1 | 990426   | 991165   | 968709   | 983433   | 1.30   | cps   |
| Indium     | 115-2 | 196816   | 195134   | 196166   | 196038   | 0.43   | cps   |
| Iron       | 56-2  | 38800876 | 38662168 | 38752258 | 38738434 | 0.18   | cps   |
| Iron       | 57-2  | 994486   | 1004540  | 1024422  | 1007816  | 1.51   | cps   |
| Krypton    | 83-1  | 67       | 40       | 43       | 50       | 29.06  | cps   |
| Lead       | 206-1 | 4590     | 4473     | 4362     | 4475     | 2.55   | cps   |
| Lead       | 207-1 | 3362     | 3351     | 3628     | 3447     | 4.56   | cps   |
| Lead       | 208-1 | 17038    | 16949    | 17172    | 17053    | 0.66   | cps   |
| Lithium    | 6-1   | 734297   | 735694   | 726920   | 732304   | 0.64   | cps   |
| Magnesium  | 24-2  | 5455964  | 5463410  | 5535926  | 5485100  | 0.81   | cps   |

|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB104174            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-07-23 13:54:28 | DataFile Name :   | 014ICSA01.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 2414     | 2630     | 2684     | 2576     | 5.55   | cps   |
| Molybdenum | 94-1  | 823326   | 823845   | 808582   | 818584   | 1.06   | cps   |
| Molybdenum | 95-1  | 1449038  | 1478901  | 1468209  | 1465383  | 1.03   | cps   |
| Molybdenum | 96-1  | 1574147  | 1590749  | 1580522  | 1581806  | 0.53   | cps   |
| Molybdenum | 97-1  | 873062   | 873084   | 862382   | 869509   | 0.71   | cps   |
| Molybdenum | 98-1  | 2313223  | 2353586  | 2324031  | 2330280  | 0.90   | cps   |
| Neodymium  | 150-1 | 20       | 7        | 0        | 9        | 114.55 | cps   |
| Neodymium  | 150-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Nickel     | 60-2  | 990      | 840      | 863      | 898      | 8.99   | cps   |
| Phosphorus | 31-2  | 121811   | 121038   | 121878   | 121576   | 0.38   | cps   |
| Potassium  | 39-2  | 4652981  | 4658540  | 4668282  | 4659934  | 0.17   | cps   |
| Rhodium    | 103-1 | 926457   | 925777   | 909840   | 920691   | 1.02   | cps   |
| Rhodium    | 103-2 | 455554   | 451458   | 454306   | 453773   | 0.46   | cps   |
| Scandium   | 45-1  | 1161167  | 1156090  | 1131048  | 1149435  | 1.40   | cps   |
| Scandium   | 45-2  | 54520    | 53362    | 55008    | 54297    | 1.56   | cps   |
| Selenium   | 77-2  | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Selenium   | 78-2  | 11       | 6        | 13       | 10       | 38.99  | cps   |
| Selenium   | 82-1  | 23       | 45       | 49       | 39       | 35.31  | cps   |
| Silicon    | 28-1  | 88922    | 88075    | 87547    | 88181    | 0.79   | cps   |
| Silver     | 109-1 | 25       | 42       | 83       | 50       | 60.09  | cps   |
| Silver     | 107-1 | 50       | 25       | 58       | 44       | 39.04  | cps   |
| Sodium     | 23-2  | 11382896 | 11419812 | 11534623 | 11445777 | 0.69   | cps   |
| Strontium  | 86-1  | 17052    | 16794    | 16935    | 16927    | 0.76   | cps   |
| Strontium  | 88-1  | 143756   | 142544   | 141609   | 142637   | 0.75   | cps   |
| Sulfur     | 34-1  | 1303883  | 1294944  | 1276732  | 1291853  | 1.07   | cps   |
| Terbium    | 159-1 | 1528332  | 1538339  | 1529518  | 1532063  | 0.36   | cps   |
| Terbium    | 159-2 | 788744   | 781125   | 784409   | 784759   | 0.49   | cps   |
| Thallium   | 203-1 | 183      | 242      | 158      | 194      | 21.99  | cps   |
| Thallium   | 205-1 | 483      | 408      | 400      | 431      | 10.66  | cps   |
| Thorium    | 232-1 | 94       | 133      | 128      | 119      | 17.75  | cps   |
| Tin        | 118-1 | 333      | 308      | 292      | 311      | 6.74   | cps   |
| Titanium   | 47-1  | 586481   | 592633   | 576736   | 585283   | 1.37   | cps   |
| Uranium    | 238-1 | 100      | 133      | 33       | 89       | 57.29  | cps   |
| Vanadium   | 51-2  | 63       | 100      | 93       | 86       | 22.83  | cps   |
| Yttrium    | 89-1  | 1417358  | 1430638  | 1422518  | 1423505  | 0.47   | cps   |
| Yttrium    | 89-2  | 203284   | 200146   | 201347   | 201592   | 0.79   | cps   |



|                         |                     |                   |             |
|-------------------------|---------------------|-------------------|-------------|
| LB Number :             | LB104174            | Operator :        | Jaswal      |
| Lab Sample ID :         | ICSA01              | Instrumnet Name : | P7          |
| Client Sample ID :      | ICSA01              | Dilution Factor : | 1           |
| Date & Time Acquired :: | 2019-07-23 13:54:28 | DataFile Name :   | 014ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 803  | 1047 | 817  | 889     | 15.39  | cps   |
| Zirconium | 90-1 | 142  | 158  | 117  | 139     | 15.10  | cps   |
| Zirconium | 91-1 | 25   | 67   | 58   | 50      | 44.10  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : ICSAB01 Instrumnet Name : P7  
 Client Sample ID : ICSAB01 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 13:58:05 DataFile Name : 015ICSB.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 2041626  | 2048085  | 2020538  | 2036750  | 0.71   | cps   |
| Antimony   | 121-1 | 23896    | 25015    | 24222    | 24377    | 2.36   | cps   |
| Arsenic    | 75-2  | 893      | 863      | 876      | 877      | 1.69   | cps   |
| Barium     | 135-1 | 7194     | 7085     | 6769     | 7016     | 3.15   | cps   |
| Barium     | 137-1 | 12331    | 11514    | 12640    | 12161    | 4.78   | cps   |
| Beryllium  | 9-1   | 12318    | 11725    | 11891    | 11978    | 2.56   | cps   |
| Bismuth    | 209-1 | 843874   | 852449   | 851288   | 849204   | 0.55   | cps   |
| Bismuth    | 209-2 | 481522   | 490031   | 486056   | 485870   | 0.88   | cps   |
| Boron      | 10-1  | 5960     | 6093     | 6327     | 6126     | 3.03   | cps   |
| Boron      | 11-1  | 25965    | 26624    | 25656    | 26082    | 1.90   | cps   |
| Cadmium    | 111-1 | 6484     | 6507     | 6541     | 6511     | 0.44   | cps   |
| Cadmium    | 106-1 | 1408     | 1492     | 1558     | 1486     | 5.06   | cps   |
| Cadmium    | 108-1 | 879      | 954      | 954      | 929      | 4.66   | cps   |
| Calcium    | 43-1  | 669058   | 662806   | 668199   | 666688   | 0.51   | cps   |
| Calcium    | 44-1  | 10812951 | 10912965 | 10995233 | 10907049 | 0.84   | cps   |
| Chromium   | 52-2  | 22377    | 22771    | 22628    | 22592    | 0.88   | cps   |
| Cobalt     | 59-2  | 14848    | 15215    | 15432    | 15165    | 1.95   | cps   |
| Copper     | 63-2  | 11375    | 12092    | 11618    | 11695    | 3.12   | cps   |
| Dysprosium | 156-1 | 17       | 0        | 8        | 8        | 100.02 | cps   |
| Dysprosium | 156-2 | 7        | 3        | 7        | 6        | 34.70  | cps   |
| Erbium     | 164-1 | 25       | 25       | 17       | 22       | 21.64  | cps   |
| Erbium     | 164-2 | 0        | 10       | 3        | 4        | 114.60 | cps   |
| Gadolinium | 160-1 | 17       | 8        | 17       | 14       | 34.67  | cps   |
| Gadolinium | 160-2 | 27       | 27       | 20       | 24       | 15.75  | cps   |
| Holmium    | 165-1 | 1471527  | 1495162  | 1509750  | 1492146  | 1.29   | cps   |
| Holmium    | 165-2 | 779919   | 787741   | 792559   | 786740   | 0.81   | cps   |
| Indium     | 115-1 | 994378   | 990839   | 992153   | 992457   | 0.18   | cps   |
| Indium     | 115-2 | 193889   | 195296   | 196782   | 195322   | 0.74   | cps   |
| Iron       | 56-2  | 39384943 | 39137641 | 39020131 | 39180905 | 0.48   | cps   |
| Iron       | 57-2  | 1020870  | 1031710  | 1016255  | 1022945  | 0.78   | cps   |
| Krypton    | 83-1  | 33       | 40       | 50       | 41       | 20.41  | cps   |
| Lead       | 206-1 | 23911    | 24000    | 23243    | 23718    | 1.74   | cps   |
| Lead       | 207-1 | 20522    | 19966    | 20238    | 20242    | 1.37   | cps   |
| Lead       | 208-1 | 93864    | 92650    | 93386    | 93300    | 0.66   | cps   |
| Lithium    | 6-1   | 735563   | 733779   | 736547   | 735296   | 0.19   | cps   |
| Magnesium  | 24-2  | 5550690  | 5557501  | 5527158  | 5545117  | 0.29   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:58:05 | DataFile Name :   | 015ICSB.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 8733     | 9193     | 8733     | 8886     | 2.99   | cps   |
| Molybdenum | 94-1  | 912945   | 912775   | 912958   | 912893   | 0.01   | cps   |
| Molybdenum | 95-1  | 1507199  | 1534167  | 1536547  | 1525971  | 1.07   | cps   |
| Molybdenum | 96-1  | 1643396  | 1664427  | 1667457  | 1658427  | 0.79   | cps   |
| Molybdenum | 97-1  | 920214   | 906360   | 912376   | 912984   | 0.76   | cps   |
| Molybdenum | 98-1  | 2412698  | 2434519  | 2458837  | 2435351  | 0.95   | cps   |
| Neodymium  | 150-1 | 13       | 13       | 7        | 11       | 34.61  | cps   |
| Neodymium  | 150-2 | 0        | 10       | 0        | 3        | 173.21 | cps   |
| Nickel     | 60-2  | 4357     | 4154     | 4211     | 4241     | 2.48   | cps   |
| Phosphorus | 31-2  | 122449   | 124441   | 124339   | 123743   | 0.91   | cps   |
| Potassium  | 39-2  | 4726768  | 4715058  | 4682044  | 4707957  | 0.49   | cps   |
| Rhodium    | 103-1 | 932930   | 934670   | 940374   | 935991   | 0.42   | cps   |
| Rhodium    | 103-2 | 449764   | 455983   | 456163   | 453970   | 0.80   | cps   |
| Scandium   | 45-1  | 1156774  | 1160511  | 1169408  | 1162231  | 0.56   | cps   |
| Scandium   | 45-2  | 53322    | 54383    | 54051    | 53919    | 1.01   | cps   |
| Selenium   | 77-2  | 27       | 27       | 33       | 29       | 13.31  | cps   |
| Selenium   | 78-2  | 83       | 96       | 80       | 86       | 10.13  | cps   |
| Selenium   | 82-1  | 632      | 598      | 628      | 619      | 2.97   | cps   |
| Silicon    | 28-1  | 163198   | 163889   | 164949   | 164012   | 0.54   | cps   |
| Silver     | 109-1 | 25173    | 25407    | 26350    | 25643    | 2.43   | cps   |
| Silver     | 107-1 | 26309    | 26317    | 26125    | 26250    | 0.41   | cps   |
| Sodium     | 23-2  | 11585984 | 11650499 | 11503891 | 11580125 | 0.63   | cps   |
| Strontium  | 86-1  | 48299    | 48407    | 47087    | 47931    | 1.53   | cps   |
| Strontium  | 88-1  | 407491   | 410396   | 408396   | 408761   | 0.36   | cps   |
| Sulfur     | 34-1  | 1317360  | 1316562  | 1316532  | 1316818  | 0.04   | cps   |
| Terbium    | 159-1 | 1524896  | 1555087  | 1541766  | 1540583  | 0.98   | cps   |
| Terbium    | 159-2 | 771810   | 784337   | 776582   | 777576   | 0.81   | cps   |
| Thallium   | 203-1 | 21986    | 22603    | 22946    | 22512    | 2.16   | cps   |
| Thallium   | 205-1 | 54521    | 54354    | 53801    | 54225    | 0.69   | cps   |
| Thorium    | 232-1 | 267      | 383      | 333      | 328      | 17.86  | cps   |
| Tin        | 118-1 | 50718    | 50600    | 52089    | 51136    | 1.62   | cps   |
| Titanium   | 47-1  | 614288   | 612515   | 616141   | 614315   | 0.30   | cps   |
| Uranium    | 238-1 | 270110   | 270618   | 272894   | 271207   | 0.55   | cps   |
| Vanadium   | 51-2  | 9770     | 10047    | 9717     | 9845     | 1.80   | cps   |
| Yttrium    | 89-1  | 1421905  | 1442210  | 1449152  | 1437756  | 0.98   | cps   |
| Yttrium    | 89-2  | 198775   | 200795   | 200751   | 200107   | 0.58   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | ICSAB01             | Instrumnet Name : | P7        |
| Client Sample ID :      | ICSAB01             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 13:58:05 | DataFile Name :   | 015ICSB.d |

| Parameter | Mass | CPS1   | CPS2   | CPS3   | CPSMean | CPSRSD | Units |
|-----------|------|--------|--------|--------|---------|--------|-------|
| Zinc      | 66-2 | 2237   | 2154   | 2127   | 2172    | 2.64   | cps   |
| Zirconium | 90-1 | 138531 | 139576 | 139945 | 139351  | 0.53   | cps   |
| Zirconium | 91-1 | 32496  | 32329  | 31344  | 32056   | 1.94   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCV43 Instrumnet Name : P7  
 Client Sample ID : CCV43 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:01:43 DataFile Name : 016CCV.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1262639  | 1291041  | 1278578  | 1277420  | 1.11   | cps   |
| Antimony   | 121-1 | 577422   | 576706   | 568535   | 574221   | 0.86   | cps   |
| Arsenic    | 75-2  | 23879    | 24426    | 24630    | 24312    | 1.60   | cps   |
| Barium     | 135-1 | 828164   | 829836   | 809372   | 822458   | 1.38   | cps   |
| Barium     | 137-1 | 1412609  | 1412149  | 1403040  | 1409266  | 0.38   | cps   |
| Beryllium  | 9-1   | 301721   | 300478   | 300037   | 300745   | 0.29   | cps   |
| Bismuth    | 209-1 | 823587   | 818335   | 808720   | 816881   | 0.92   | cps   |
| Bismuth    | 209-2 | 475540   | 481722   | 481770   | 479678   | 0.75   | cps   |
| Boron      | 10-1  | 51480    | 52199    | 53412    | 52364    | 1.86   | cps   |
| Boron      | 11-1  | 217366   | 219100   | 223504   | 219990   | 1.44   | cps   |
| Cadmium    | 111-1 | 161403   | 161687   | 157406   | 160165   | 1.49   | cps   |
| Cadmium    | 106-1 | 19806    | 20215    | 18805    | 19609    | 3.70   | cps   |
| Cadmium    | 108-1 | 13098    | 13173    | 13077    | 13116    | 0.38   | cps   |
| Calcium    | 43-1  | 1620509  | 1621906  | 1617380  | 1619932  | 0.14   | cps   |
| Calcium    | 44-1  | 26881989 | 26794455 | 26865676 | 26847373 | 0.17   | cps   |
| Chromium   | 52-2  | 281476   | 286390   | 284220   | 284029   | 0.87   | cps   |
| Cobalt     | 59-2  | 351474   | 359135   | 359473   | 356694   | 1.27   | cps   |
| Copper     | 63-2  | 443076   | 454038   | 452291   | 449801   | 1.31   | cps   |
| Dysprosium | 156-1 | 8        | 0        | 42       | 17       | 132.30 | cps   |
| Dysprosium | 156-2 | 27       | 30       | 37       | 31       | 16.37  | cps   |
| Erbium     | 164-1 | 0        | 8        | 0        | 3        | 173.21 | cps   |
| Erbium     | 164-2 | 3        | 3        | 0        | 2        | 86.60  | cps   |
| Gadolinium | 160-1 | 17       | 17       | 17       | 17       | 0.00   | cps   |
| Gadolinium | 160-2 | 37       | 20       | 43       | 33       | 36.05  | cps   |
| Holmium    | 165-1 | 1481112  | 1488839  | 1483844  | 1484598  | 0.26   | cps   |
| Holmium    | 165-2 | 792068   | 806239   | 798820   | 799042   | 0.89   | cps   |
| Indium     | 115-1 | 997898   | 989640   | 981431   | 989656   | 0.83   | cps   |
| Indium     | 115-2 | 192917   | 198435   | 197551   | 196301   | 1.51   | cps   |
| Iron       | 56-2  | 48483298 | 48797027 | 48766877 | 48682401 | 0.36   | cps   |
| Iron       | 57-2  | 1265074  | 1291705  | 1303306  | 1286695  | 1.52   | cps   |
| Krypton    | 83-1  | 50       | 60       | 47       | 52       | 13.28  | cps   |
| Lead       | 206-1 | 469420   | 464999   | 454940   | 463120   | 1.60   | cps   |
| Lead       | 207-1 | 420779   | 413313   | 410507   | 414866   | 1.28   | cps   |
| Lead       | 208-1 | 1895557  | 1885855  | 1864019  | 1881810  | 0.86   | cps   |
| Lithium    | 6-1   | 746838   | 743018   | 743462   | 744439   | 0.28   | cps   |
| Magnesium  | 24-2  | 13467098 | 13609578 | 13538114 | 13538263 | 0.53   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV43               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV43               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 14:01:43 | DataFile Name :   | 016CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 318423   | 324142   | 323108   | 321891   | 0.95   | cps   |
| Molybdenum | 94-1  | 1641702  | 1632243  | 1633928  | 1635958  | 0.31   | cps   |
| Molybdenum | 95-1  | 2042258  | 2052203  | 2046027  | 2046829  | 0.25   | cps   |
| Molybdenum | 96-1  | 2273904  | 2284868  | 2284645  | 2281139  | 0.27   | cps   |
| Molybdenum | 97-1  | 1228394  | 1223660  | 1215076  | 1222377  | 0.55   | cps   |
| Molybdenum | 98-1  | 3260296  | 3266561  | 3252097  | 3259651  | 0.22   | cps   |
| Neodymium  | 150-1 | 60       | 80       | 27       | 56       | 48.49  | cps   |
| Neodymium  | 150-2 | 10       | 7        | 0        | 6        | 91.64  | cps   |
| Nickel     | 60-2  | 83942    | 86500    | 85403    | 85282    | 1.51   | cps   |
| Phosphorus | 31-2  | 13423    | 13089    | 13857    | 13457    | 2.86   | cps   |
| Potassium  | 39-2  | 5915535  | 5956565  | 5905834  | 5925978  | 0.45   | cps   |
| Rhodium    | 103-1 | 941143   | 924359   | 918380   | 927961   | 1.27   | cps   |
| Rhodium    | 103-2 | 447784   | 457417   | 450098   | 451766   | 1.11   | cps   |
| Scandium   | 45-1  | 1211589  | 1204255  | 1191646  | 1202496  | 0.84   | cps   |
| Scandium   | 45-2  | 56705    | 56347    | 57009    | 56687    | 0.58   | cps   |
| Selenium   | 77-2  | 640      | 517      | 753      | 637      | 18.59  | cps   |
| Selenium   | 78-2  | 2285     | 2245     | 2226     | 2252     | 1.35   | cps   |
| Selenium   | 82-1  | 15165    | 15112    | 15061    | 15113    | 0.34   | cps   |
| Silicon    | 28-1  | 834911   | 842966   | 838850   | 838909   | 0.48   | cps   |
| Silver     | 109-1 | 718344   | 719208   | 700157   | 712569   | 1.51   | cps   |
| Silver     | 107-1 | 753928   | 745418   | 737552   | 745632   | 1.10   | cps   |
| Sodium     | 23-2  | 28382362 | 28380894 | 28477958 | 28413738 | 0.20   | cps   |
| Strontium  | 86-1  | 254708   | 252287   | 250601   | 252532   | 0.82   | cps   |
| Strontium  | 88-1  | 2161026  | 2166568  | 2157976  | 2161857  | 0.20   | cps   |
| Sulfur     | 34-1  | 230885   | 226553   | 227511   | 228316   | 1.00   | cps   |
| Terbium    | 159-1 | 1543829  | 1532195  | 1535437  | 1537154  | 0.39   | cps   |
| Terbium    | 159-2 | 779184   | 794405   | 789339   | 787643   | 0.98   | cps   |
| Thallium   | 203-1 | 556599   | 557171   | 555864   | 556544   | 0.12   | cps   |
| Thallium   | 205-1 | 1326737  | 1342057  | 1333959  | 1334251  | 0.57   | cps   |
| Thorium    | 232-1 | 2571082  | 2590342  | 2565838  | 2575754  | 0.50   | cps   |
| Tin        | 118-1 | 496628   | 493205   | 490368   | 493400   | 0.64   | cps   |
| Titanium   | 47-1  | 770680   | 770088   | 765006   | 768591   | 0.41   | cps   |
| Uranium    | 238-1 | 2577313  | 2568498  | 2559261  | 2568357  | 0.35   | cps   |
| Vanadium   | 51-2  | 245353   | 249623   | 250358   | 248445   | 1.09   | cps   |
| Yttrium    | 89-1  | 1454968  | 1454795  | 1457953  | 1455905  | 0.12   | cps   |
| Yttrium    | 89-2  | 204982   | 208614   | 206380   | 206659   | 0.89   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV43               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV43               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 14:01:43 | DataFile Name :   | 016CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 70522   | 71310   | 70650   | 70827   | 0.60   | cps   |
| Zirconium | 90-1 | 1385289 | 1391165 | 1386428 | 1387627 | 0.22   | cps   |
| Zirconium | 91-1 | 306062  | 302819  | 302758  | 303879  | 0.62   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : LLCCV Instrumnet Name : P7  
 Client Sample ID : LLCCV Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:10:18 DataFile Name : 017LLIC.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 575     | 533     | 600     | 569     | 5.91   | cps   |
| Antimony   | 121-1 | 2459    | 2375    | 2675    | 2503    | 6.19   | cps   |
| Arsenic    | 75-2  | 33      | 52      | 50      | 45      | 22.64  | cps   |
| Barium     | 135-1 | 2984    | 3659    | 3251    | 3298    | 10.31  | cps   |
| Barium     | 137-1 | 5843    | 5610    | 5760    | 5738    | 2.06   | cps   |
| Beryllium  | 9-1   | 667     | 670     | 660     | 666     | 0.77   | cps   |
| Bismuth    | 209-1 | 931794  | 900273  | 882060  | 904709  | 2.78   | cps   |
| Bismuth    | 209-2 | 519514  | 516558  | 512728  | 516267  | 0.66   | cps   |
| Boron      | 10-1  | 3501    | 3642    | 3767    | 3637    | 3.67   | cps   |
| Boron      | 11-1  | 15734   | 15625   | 15567   | 15642   | 0.54   | cps   |
| Cadmium    | 111-1 | 701     | 574     | 577     | 618     | 11.75  | cps   |
| Cadmium    | 106-1 | 525     | 425     | 433     | 461     | 12.03  | cps   |
| Cadmium    | 108-1 | 29      | 33      | 38      | 33      | 12.50  | cps   |
| Calcium    | 43-1  | 3401    | 3551    | 3351    | 3434    | 3.03   | cps   |
| Calcium    | 44-1  | 58625   | 58090   | 59620   | 58778   | 1.32   | cps   |
| Chromium   | 52-2  | 1297    | 1353    | 1330    | 1327    | 2.15   | cps   |
| Cobalt     | 59-2  | 730     | 673     | 683     | 696     | 4.35   | cps   |
| Copper     | 63-2  | 1073    | 877     | 1040    | 997     | 10.56  | cps   |
| Dysprosium | 156-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Gadolinium | 160-2 | 27      | 27      | 33      | 29      | 13.31  | cps   |
| Holmium    | 165-1 | 1519554 | 1483518 | 1475632 | 1492901 | 1.57   | cps   |
| Holmium    | 165-2 | 778214  | 779746  | 777176  | 778379  | 0.17   | cps   |
| Indium     | 115-1 | 1070908 | 1054491 | 1035087 | 1053496 | 1.70   | cps   |
| Indium     | 115-2 | 203690  | 205257  | 204315  | 204421  | 0.39   | cps   |
| Iron       | 56-2  | 23814   | 23959   | 23942   | 23905   | 0.33   | cps   |
| Iron       | 57-2  | 633     | 672     | 572     | 626     | 8.05   | cps   |
| Krypton    | 83-1  | 70      | 60      | 73      | 68      | 10.24  | cps   |
| Lead       | 206-1 | 1089    | 1095    | 950     | 1045    | 7.84   | cps   |
| Lead       | 207-1 | 967     | 978     | 811     | 919     | 10.15  | cps   |
| Lead       | 208-1 | 4328    | 4284    | 4150    | 4254    | 2.17   | cps   |
| Lithium    | 6-1   | 794270  | 773578  | 767335  | 778394  | 1.81   | cps   |
| Magnesium  | 24-2  | 31434   | 31759   | 32211   | 31801   | 1.23   | cps   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : LLCCV Instrumnet Name : P7  
 Client Sample ID : LLCCV Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:10:18 DataFile Name : 017LLIC.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 343     | 317     | 410     | 357     | 13.48  | cps   |
| Molybdenum | 94-1  | 3426    | 3292    | 3259    | 3326    | 2.65   | cps   |
| Molybdenum | 95-1  | 4134    | 3951    | 4259    | 4115    | 3.77   | cps   |
| Molybdenum | 96-1  | 4343    | 4217    | 4493    | 4351    | 3.17   | cps   |
| Molybdenum | 97-1  | 2625    | 2492    | 2134    | 2417    | 10.52  | cps   |
| Molybdenum | 98-1  | 6410    | 6602    | 5935    | 6316    | 5.44   | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 180     | 217     | 213     | 203     | 9.97   | cps   |
| Phosphorus | 31-2  | 142     | 117     | 75      | 111     | 30.31  | cps   |
| Potassium  | 39-2  | 30749   | 30140   | 29113   | 30001   | 2.76   | cps   |
| Rhodium    | 103-1 | 1078591 | 1034093 | 1028699 | 1047128 | 2.61   | cps   |
| Rhodium    | 103-2 | 496469  | 494961  | 490529  | 493986  | 0.63   | cps   |
| Scandium   | 45-1  | 1273840 | 1245682 | 1231102 | 1250208 | 1.74   | cps   |
| Scandium   | 45-2  | 57377   | 57287   | 56892   | 57186   | 0.45   | cps   |
| Selenium   | 77-2  | 10      | 3       | 3       | 6       | 69.34  | cps   |
| Selenium   | 78-2  | 28      | 48      | 50      | 42      | 29.37  | cps   |
| Selenium   | 82-1  | 208     | 198     | 207     | 204     | 2.64   | cps   |
| Silicon    | 28-1  | 66423   | 66908   | 65268   | 66200   | 1.27   | cps   |
| Silver     | 109-1 | 1567    | 1217    | 1558    | 1447    | 13.80  | cps   |
| Silver     | 107-1 | 1517    | 1659    | 1483    | 1553    | 5.98   | cps   |
| Sodium     | 23-2  | 69838   | 71027   | 68750   | 69871   | 1.63   | cps   |
| Strontium  | 86-1  | 508     | 650     | 567     | 575     | 12.38  | cps   |
| Strontium  | 88-1  | 4159    | 4426    | 4501    | 4362    | 4.12   | cps   |
| Sulfur     | 34-1  | 101309  | 101334  | 101434  | 101359  | 0.07   | cps   |
| Terbium    | 159-1 | 1581753 | 1548793 | 1539161 | 1556569 | 1.43   | cps   |
| Terbium    | 159-2 | 775295  | 774711  | 772722  | 774243  | 0.17   | cps   |
| Thallium   | 203-1 | 1208    | 1008    | 875     | 1031    | 16.28  | cps   |
| Thallium   | 205-1 | 2634    | 3159    | 2542    | 2778    | 11.98  | cps   |
| Thorium    | 232-1 | 4962    | 4912    | 4701    | 4858    | 2.85   | cps   |
| Tin        | 118-1 | 5243    | 5109    | 4909    | 5087    | 3.30   | cps   |
| Titanium   | 47-1  | 1583    | 1550    | 1600    | 1578    | 1.61   | cps   |
| Uranium    | 238-1 | 4976    | 4709    | 5001    | 4896    | 3.30   | cps   |
| Vanadium   | 51-2  | 2670    | 2680    | 2684    | 2678    | 0.26   | cps   |
| Yttrium    | 89-1  | 1526530 | 1506375 | 1490628 | 1507845 | 1.19   | cps   |
| Yttrium    | 89-2  | 205777  | 207725  | 204399  | 205967  | 0.81   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | LLCCV               | Instrumnet Name : | P7        |
| Client Sample ID :      | LLCCV               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:10:18 | DataFile Name :   | 017LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 187  | 180  | 200  | 189     | 5.39   | cps   |
| Zirconium | 90-1 | 2859 | 2567 | 2842 | 2756    | 5.94   | cps   |
| Zirconium | 91-1 | 642  | 575  | 667  | 628     | 7.55   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB43               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB43               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:13:53 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 33      | 25      | 25      | 28      | 17.31  | cps   |
| Antimony   | 121-1 | 108     | 125     | 108     | 114     | 8.45   | cps   |
| Arsenic    | 75-2  | 0       | 0       | 2       | 1       | 173.21 | cps   |
| Barium     | 135-1 | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Barium     | 137-1 | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Beryllium  | 9-1   | 27      | 23      | 33      | 28      | 18.33  | cps   |
| Bismuth    | 209-1 | 919884  | 920676  | 909689  | 916750  | 0.67   | cps   |
| Bismuth    | 209-2 | 528739  | 521825  | 522557  | 524374  | 0.72   | cps   |
| Boron      | 10-1  | 1058    | 808     | 925     | 931     | 13.44  | cps   |
| Boron      | 11-1  | 4042    | 3342    | 4034    | 3806    | 10.56  | cps   |
| Cadmium    | 111-1 | 353     | 291     | 401     | 348     | 15.77  | cps   |
| Cadmium    | 106-1 | 492     | 408     | 567     | 489     | 16.20  | cps   |
| Cadmium    | 108-1 | 0       | 4       | 0       | 1       | 173.21 | cps   |
| Calcium    | 43-1  | 33      | 17      | 8       | 19      | 65.47  | cps   |
| Calcium    | 44-1  | 2950    | 3017    | 3017    | 2995    | 1.29   | cps   |
| Chromium   | 52-2  | 220     | 220     | 227     | 222     | 1.73   | cps   |
| Cobalt     | 59-2  | 7       | 13      | 3       | 8       | 65.47  | cps   |
| Copper     | 63-2  | 107     | 137     | 100     | 114     | 17.07  | cps   |
| Dysprosium | 156-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 0       | 17      | 0       | 6       | 173.21 | cps   |
| Erbium     | 164-2 | 0       | 7       | 0       | 2       | 173.21 | cps   |
| Gadolinium | 160-1 | 0       | 0       | 17      | 6       | 173.21 | cps   |
| Gadolinium | 160-2 | 23      | 27      | 27      | 26      | 7.55   | cps   |
| Holmium    | 165-1 | 1490380 | 1523488 | 1518089 | 1510652 | 1.18   | cps   |
| Holmium    | 165-2 | 792384  | 796116  | 794195  | 794232  | 0.24   | cps   |
| Indium     | 115-1 | 1068494 | 1066947 | 1066777 | 1067406 | 0.09   | cps   |
| Indium     | 115-2 | 209169  | 210250  | 205853  | 208424  | 1.10   | cps   |
| Iron       | 56-2  | 956     | 961     | 950     | 956     | 0.58   | cps   |
| Iron       | 57-2  | 39      | 67      | 56      | 54      | 26.03  | cps   |
| Krypton    | 83-1  | 43      | 47      | 47      | 46      | 4.23   | cps   |
| Lead       | 206-1 | 89      | 111     | 128     | 109     | 17.86  | cps   |
| Lead       | 207-1 | 106     | 67      | 72      | 81      | 25.81  | cps   |
| Lead       | 208-1 | 433     | 411     | 400     | 415     | 4.09   | cps   |
| Lithium    | 6-1   | 789542  | 794933  | 790731  | 791735  | 0.36   | cps   |
| Magnesium  | 24-2  | 42      | 50      | 50      | 47      | 10.18  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB43               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB43               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:13:53 | DataFile Name :   | 018CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 7       | 3       | 10      | 7       | 50.03  | cps   |
| Molybdenum | 94-1  | 67      | 133     | 58      | 86      | 47.74  | cps   |
| Molybdenum | 95-1  | 67      | 50      | 67      | 61      | 15.75  | cps   |
| Molybdenum | 96-1  | 58      | 67      | 100     | 75      | 29.39  | cps   |
| Molybdenum | 97-1  | 25      | 17      | 25      | 22      | 21.64  | cps   |
| Molybdenum | 98-1  | 133     | 42      | 75      | 83      | 55.68  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 13      | 7       | 3       | 8       | 65.47  | cps   |
| Phosphorus | 31-2  | 42      | 100     | 50      | 64      | 49.38  | cps   |
| Potassium  | 39-2  | 5209    | 5151    | 5460    | 5273    | 3.11   | cps   |
| Rhodium    | 103-1 | 1077084 | 1064292 | 1072579 | 1071319 | 0.61   | cps   |
| Rhodium    | 103-2 | 500518  | 505241  | 505964  | 503908  | 0.59   | cps   |
| Scandium   | 45-1  | 1275750 | 1275079 | 1278236 | 1276355 | 0.13   | cps   |
| Scandium   | 45-2  | 58287   | 58819   | 58726   | 58611   | 0.48   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 17      | 17      | 17      | 17      | 0.00   | cps   |
| Selenium   | 82-1  | 60      | 35      | 43      | 46      | 28.14  | cps   |
| Silicon    | 28-1  | 52685   | 53053   | 53271   | 53003   | 0.56   | cps   |
| Silver     | 109-1 | 25      | 8       | 25      | 19      | 49.50  | cps   |
| Silver     | 107-1 | 42      | 17      | 17      | 25      | 57.73  | cps   |
| Sodium     | 23-2  | 8103    | 8102    | 7552    | 7919    | 4.01   | cps   |
| Strontium  | 86-1  | 50      | 75      | 92      | 72      | 29.04  | cps   |
| Strontium  | 88-1  | 50      | 33      | 33      | 39      | 24.75  | cps   |
| Sulfur     | 34-1  | 104716  | 100051  | 102006  | 102258  | 2.29   | cps   |
| Terbium    | 159-1 | 1555803 | 1570714 | 1580761 | 1569093 | 0.80   | cps   |
| Terbium    | 159-2 | 785975  | 788860  | 785409  | 786748  | 0.24   | cps   |
| Thallium   | 203-1 | 75      | 25      | 42      | 47      | 53.91  | cps   |
| Thallium   | 205-1 | 275     | 208     | 183     | 222     | 21.33  | cps   |
| Thorium    | 232-1 | 83      | 100     | 106     | 96      | 12.01  | cps   |
| Tin        | 118-1 | 100     | 92      | 100     | 97      | 4.95   | cps   |
| Titanium   | 47-1  | 8       | 25      | 33      | 22      | 57.29  | cps   |
| Uranium    | 238-1 | 17      | 8       | 0       | 8       | 100.02 | cps   |
| Vanadium   | 51-2  | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Yttrium    | 89-1  | 1506687 | 1526150 | 1525083 | 1519307 | 0.72   | cps   |
| Yttrium    | 89-2  | 208322  | 210877  | 211084  | 210094  | 0.73   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB43               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB43               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:13:53 | DataFile Name :   | 018CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 37   | 23   | 37   | 32      | 23.90  | cps   |
| Zirconium | 90-1 | 108  | 125  | 158  | 131     | 19.50  | cps   |
| Zirconium | 91-1 | 42   | 67   | 50   | 53      | 24.12  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CRI Instrumnet Name : P7  
 Client Sample ID : CRI Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:17:29 DataFile Name : 019LLCC.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 475     | 525     | 550     | 517     | 7.39   | cps   |
| Antimony   | 121-1 | 2409    | 2259    | 2242    | 2303    | 3.99   | cps   |
| Arsenic    | 75-2  | 39      | 48      | 46      | 44      | 11.03  | cps   |
| Barium     | 135-1 | 3342    | 3334    | 3309    | 3328    | 0.52   | cps   |
| Barium     | 137-1 | 5852    | 6118    | 5868    | 5946    | 2.51   | cps   |
| Beryllium  | 9-1   | 650     | 657     | 733     | 680     | 6.81   | cps   |
| Bismuth    | 209-1 | 907198  | 895499  | 893009  | 898569  | 0.84   | cps   |
| Bismuth    | 209-2 | 520714  | 518373  | 521333  | 520140  | 0.30   | cps   |
| Boron      | 10-1  | 3092    | 3542    | 3292    | 3309    | 6.82   | cps   |
| Boron      | 11-1  | 13682   | 13940   | 14507   | 14043   | 3.01   | cps   |
| Cadmium    | 111-1 | 618     | 550     | 723     | 630     | 13.86  | cps   |
| Cadmium    | 106-1 | 417     | 458     | 583     | 486     | 17.84  | cps   |
| Cadmium    | 108-1 | 17      | 13      | 21      | 17      | 24.99  | cps   |
| Calcium    | 43-1  | 3376    | 3484    | 3609    | 3489    | 3.35   | cps   |
| Calcium    | 44-1  | 58809   | 59889   | 59872   | 59523   | 1.04   | cps   |
| Chromium   | 52-2  | 1360    | 1303    | 1317    | 1327    | 2.23   | cps   |
| Cobalt     | 59-2  | 767     | 730     | 783     | 760     | 3.59   | cps   |
| Copper     | 63-2  | 980     | 1140    | 1020    | 1047    | 7.96   | cps   |
| Dysprosium | 156-1 | 0       | 0       | 8       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 17      | 0       | 0       | 6       | 173.21 | cps   |
| Erbium     | 164-2 | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Gadolinium | 160-1 | 17      | 8       | 0       | 8       | 100.02 | cps   |
| Gadolinium | 160-2 | 13      | 20      | 20      | 18      | 21.66  | cps   |
| Holmium    | 165-1 | 1484114 | 1475495 | 1487981 | 1482530 | 0.43   | cps   |
| Holmium    | 165-2 | 777671  | 787422  | 783721  | 782938  | 0.63   | cps   |
| Indium     | 115-1 | 1065120 | 1048697 | 1042390 | 1052069 | 1.12   | cps   |
| Indium     | 115-2 | 207993  | 208642  | 207612  | 208082  | 0.25   | cps   |
| Iron       | 56-2  | 23892   | 23859   | 24081   | 23944   | 0.50   | cps   |
| Iron       | 57-2  | 572     | 639     | 678     | 630     | 8.48   | cps   |
| Krypton    | 83-1  | 40      | 37      | 53      | 43      | 20.34  | cps   |
| Lead       | 206-1 | 1050    | 995     | 933     | 993     | 5.88   | cps   |
| Lead       | 207-1 | 939     | 972     | 933     | 948     | 2.22   | cps   |
| Lead       | 208-1 | 4289    | 4167    | 4111    | 4189    | 2.17   | cps   |
| Lithium    | 6-1   | 782085  | 777670  | 781451  | 780402  | 0.31   | cps   |
| Magnesium  | 24-2  | 32311   | 31058   | 32244   | 31871   | 2.21   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:17:29 | DataFile Name :   | 019LLCC.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 387     | 407     | 437     | 410     | 6.14   | cps   |
| Molybdenum | 94-1  | 3342    | 3100    | 3259    | 3234    | 3.80   | cps   |
| Molybdenum | 95-1  | 4134    | 3867    | 4209    | 4070    | 4.41   | cps   |
| Molybdenum | 96-1  | 4618    | 4843    | 4584    | 4681    | 3.00   | cps   |
| Molybdenum | 97-1  | 2600    | 2625    | 2409    | 2545    | 4.66   | cps   |
| Molybdenum | 98-1  | 6493    | 6685    | 6493    | 6557    | 1.69   | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Nickel     | 60-2  | 200     | 187     | 187     | 191     | 4.03   | cps   |
| Phosphorus | 31-2  | 83      | 133     | 92      | 103     | 26.06  | cps   |
| Potassium  | 39-2  | 30725   | 31133   | 30950   | 30936   | 0.66   | cps   |
| Rhodium    | 103-1 | 1060204 | 1046042 | 1047283 | 1051177 | 0.75   | cps   |
| Rhodium    | 103-2 | 500364  | 502268  | 503316  | 501982  | 0.30   | cps   |
| Scandium   | 45-1  | 1278806 | 1267412 | 1271917 | 1272712 | 0.45   | cps   |
| Scandium   | 45-2  | 58669   | 59061   | 58686   | 58805   | 0.38   | cps   |
| Selenium   | 77-2  | 10      | 7       | 7       | 8       | 24.71  | cps   |
| Selenium   | 78-2  | 46      | 35      | 41      | 41      | 13.63  | cps   |
| Selenium   | 82-1  | 227     | 219     | 201     | 216     | 6.11   | cps   |
| Silicon    | 28-1  | 66456   | 66942   | 64883   | 66094   | 1.63   | cps   |
| Silver     | 109-1 | 1584    | 1550    | 1475    | 1536    | 3.61   | cps   |
| Silver     | 107-1 | 1717    | 1784    | 1500    | 1667    | 8.89   | cps   |
| Sodium     | 23-2  | 70424   | 70951   | 70893   | 70756   | 0.41   | cps   |
| Strontium  | 86-1  | 542     | 517     | 500     | 519     | 4.04   | cps   |
| Strontium  | 88-1  | 4593    | 4709    | 4267    | 4523    | 5.06   | cps   |
| Sulfur     | 34-1  | 105715  | 104944  | 107150  | 105936  | 1.06   | cps   |
| Terbium    | 159-1 | 1539946 | 1548830 | 1563319 | 1550698 | 0.76   | cps   |
| Terbium    | 159-2 | 778929  | 783419  | 778666  | 780338  | 0.34   | cps   |
| Thallium   | 203-1 | 1092    | 1158    | 1175    | 1142    | 3.86   | cps   |
| Thallium   | 205-1 | 2759    | 2809    | 2817    | 2795    | 1.13   | cps   |
| Thorium    | 232-1 | 4657    | 4534    | 4734    | 4642    | 2.17   | cps   |
| Tin        | 118-1 | 5126    | 5335    | 5259    | 5240    | 2.01   | cps   |
| Titanium   | 47-1  | 1634    | 1533    | 1725    | 1631    | 5.88   | cps   |
| Uranium    | 238-1 | 4718    | 4784    | 4618    | 4707    | 1.78   | cps   |
| Vanadium   | 51-2  | 2627    | 2710    | 2654    | 2664    | 1.60   | cps   |
| Yttrium    | 89-1  | 1504552 | 1513370 | 1517976 | 1511966 | 0.45   | cps   |
| Yttrium    | 89-2  | 209793  | 211652  | 211526  | 210990  | 0.49   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CRI                 | Instrumnet Name : | P7        |
| Client Sample ID :      | CRI                 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:17:29 | DataFile Name :   | 019LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 210  | 153  | 167  | 177     | 16.77  | cps   |
| Zirconium | 90-1 | 2642 | 2725 | 2917 | 2761    | 5.11   | cps   |
| Zirconium | 91-1 | 542  | 717  | 592  | 617     | 14.62  | cps   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:21:06 DataFile Name : 020SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 58       | 58       | 50       | 56       | 8.67   | cps   |
| Antimony   | 121-1 | 1267     | 1317     | 1383     | 1322     | 4.43   | cps   |
| Arsenic    | 75-2  | 106      | 128      | 111      | 115      | 10.07  | cps   |
| Barium     | 135-1 | 25650    | 25249    | 25566    | 25488    | 0.83   | cps   |
| Barium     | 137-1 | 44865    | 45333    | 44648    | 44949    | 0.78   | cps   |
| Beryllium  | 9-1   | 40       | 37       | 50       | 42       | 16.43  | cps   |
| Bismuth    | 209-1 | 928655   | 929320   | 917085   | 925020   | 0.74   | cps   |
| Bismuth    | 209-2 | 497036   | 499379   | 498474   | 498296   | 0.24   | cps   |
| Boron      | 10-1  | 18128    | 18937    | 18145    | 18403    | 2.51   | cps   |
| Boron      | 11-1  | 77390    | 79350    | 81429    | 79389    | 2.54   | cps   |
| Cadmium    | 111-1 | 454      | 577      | 560      | 530      | 12.53  | cps   |
| Cadmium    | 106-1 | 383      | 517      | 442      | 447      | 14.95  | cps   |
| Cadmium    | 108-1 | 8        | 8        | 17       | 11       | 43.34  | cps   |
| Calcium    | 43-1  | 639386   | 642222   | 639903   | 640504   | 0.24   | cps   |
| Calcium    | 44-1  | 10523500 | 10671998 | 10759546 | 10651681 | 1.12   | cps   |
| Chromium   | 52-2  | 1367     | 1407     | 1310     | 1361     | 3.57   | cps   |
| Cobalt     | 59-2  | 150      | 107      | 113      | 123      | 18.92  | cps   |
| Copper     | 63-2  | 1923     | 2010     | 1980     | 1971     | 2.23   | cps   |
| Dysprosium | 156-1 | 0        | 0        | 25       | 8        | 173.21 | cps   |
| Dysprosium | 156-2 | 3        | 3        | 3        | 3        | 0.00   | cps   |
| Erbium     | 164-1 | 25       | 8        | 8        | 14       | 69.31  | cps   |
| Erbium     | 164-2 | 3        | 3        | 0        | 2        | 86.60  | cps   |
| Gadolinium | 160-1 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Gadolinium | 160-2 | 20       | 20       | 20       | 20       | 0.00   | cps   |
| Holmium    | 165-1 | 1535703  | 1537927  | 1567118  | 1546916  | 1.13   | cps   |
| Holmium    | 165-2 | 765080   | 774516   | 770048   | 769881   | 0.61   | cps   |
| Indium     | 115-1 | 1066533  | 1055272  | 1075110  | 1065639  | 0.93   | cps   |
| Indium     | 115-2 | 199530   | 201283   | 196392   | 199068   | 1.24   | cps   |
| Iron       | 56-2  | 6124     | 6035     | 5818     | 5992     | 2.62   | cps   |
| Iron       | 57-2  | 3906     | 4112     | 4173     | 4064     | 3.44   | cps   |
| Krypton    | 83-1  | 47       | 80       | 47       | 58       | 33.30  | cps   |
| Lead       | 206-1 | 1578     | 1734     | 1806     | 1706     | 6.82   | cps   |
| Lead       | 207-1 | 1433     | 1411     | 1372     | 1406     | 2.20   | cps   |
| Lead       | 208-1 | 6640     | 6662     | 6995     | 6766     | 2.94   | cps   |
| Lithium    | 6-1   | 942592   | 945412   | 954432   | 947479   | 0.65   | cps   |
| Magnesium  | 24-2  | 587705   | 593976   | 577978   | 586553   | 1.37   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:21:06 DataFile Name : 020SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 5831     | 5875     | 5771     | 5826     | 0.89   | cps   |
| Molybdenum | 94-1  | 633      | 558      | 733      | 642      | 13.68  | cps   |
| Molybdenum | 95-1  | 883      | 633      | 908      | 808      | 18.81  | cps   |
| Molybdenum | 96-1  | 1017     | 842      | 633      | 831      | 23.11  | cps   |
| Molybdenum | 97-1  | 508      | 575      | 633      | 572      | 10.93  | cps   |
| Molybdenum | 98-1  | 1267     | 1192     | 1367     | 1275     | 6.89   | cps   |
| Neodymium  | 150-1 | 0        | 13       | 27       | 13       | 100.01 | cps   |
| Neodymium  | 150-2 | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 190      | 237      | 247      | 224      | 13.48  | cps   |
| Phosphorus | 31-2  | 175      | 67       | 117      | 119      | 45.39  | cps   |
| Potassium  | 39-2  | 192787   | 194206   | 192449   | 193147   | 0.48   | cps   |
| Rhodium    | 103-1 | 1035263  | 1014888  | 1017567  | 1022572  | 1.08   | cps   |
| Rhodium    | 103-2 | 478375   | 478299   | 480119   | 478931   | 0.21   | cps   |
| Scandium   | 45-1  | 1251726  | 1226282  | 1234339  | 1237449  | 1.05   | cps   |
| Scandium   | 45-2  | 56849    | 57561    | 56952    | 57121    | 0.67   | cps   |
| Selenium   | 77-2  | 3        | 0        | 7        | 3        | 100.05 | cps   |
| Selenium   | 78-2  | 19       | 20       | 13       | 17       | 22.31  | cps   |
| Selenium   | 82-1  | 94       | 72       | 88       | 85       | 13.56  | cps   |
| Silicon    | 28-1  | 11600130 | 11596864 | 11699266 | 11632087 | 0.50   | cps   |
| Silver     | 109-1 | 1275     | 1634     | 1442     | 1450     | 12.37  | cps   |
| Silver     | 107-1 | 1442     | 1700     | 1500     | 1547     | 8.76   | cps   |
| Sodium     | 23-2  | 3385306  | 3378354  | 3383127  | 3382262  | 0.11   | cps   |
| Strontium  | 86-1  | 253779   | 253973   | 254271   | 254008   | 0.10   | cps   |
| Strontium  | 88-1  | 2176995  | 2203903  | 2224691  | 2201863  | 1.09   | cps   |
| Sulfur     | 34-1  | 243586   | 238277   | 236897   | 239587   | 1.47   | cps   |
| Terbium    | 159-1 | 1590815  | 1596549  | 1612586  | 1599984  | 0.71   | cps   |
| Terbium    | 159-2 | 763524   | 760402   | 758546   | 760824   | 0.33   | cps   |
| Thallium   | 203-1 | 1108     | 783      | 725      | 872      | 23.68  | cps   |
| Thallium   | 205-1 | 2425     | 2575     | 1934     | 2311     | 14.53  | cps   |
| Thorium    | 232-1 | 128      | 133      | 111      | 124      | 9.32   | cps   |
| Tin        | 118-1 | 2800     | 3259     | 3109     | 3056     | 7.65   | cps   |
| Titanium   | 47-1  | 283      | 150      | 250      | 228      | 30.46  | cps   |
| Uranium    | 238-1 | 4834     | 4684     | 4809     | 4776     | 1.68   | cps   |
| Vanadium   | 51-2  | 1393     | 1443     | 1333     | 1390     | 3.96   | cps   |
| Yttrium    | 89-1  | 1517030  | 1509575  | 1526730  | 1517778  | 0.57   | cps   |
| Yttrium    | 89-2  | 201062   | 203222   | 203112   | 202465   | 0.60   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:21:06  | DataFile Name :   | 020SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 777  | 867  | 777  | 807     | 6.44   | cps   |
| Zirconium | 90-1 | 217  | 258  | 350  | 275     | 24.80  | cps   |
| Zirconium | 91-1 | 75   | 33   | 58   | 56      | 37.75  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01DUP Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:24:42 DataFile Name : 021SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 50       | 50       | 58       | 53       | 9.12   | cps   |
| Antimony   | 121-1 | 1417     | 1575     | 1575     | 1522     | 6.01   | cps   |
| Arsenic    | 75-2  | 100      | 96       | 115      | 104      | 9.45   | cps   |
| Barium     | 135-1 | 25608    | 25349    | 25541    | 25499    | 0.53   | cps   |
| Barium     | 137-1 | 46337    | 44255    | 44690    | 45094    | 2.44   | cps   |
| Beryllium  | 9-1   | 43       | 37       | 50       | 43       | 15.38  | cps   |
| Bismuth    | 209-1 | 937930   | 912323   | 911069   | 920441   | 1.65   | cps   |
| Bismuth    | 209-2 | 488639   | 492668   | 485141   | 488816   | 0.77   | cps   |
| Boron      | 10-1  | 17753    | 17828    | 17427    | 17669    | 1.20   | cps   |
| Boron      | 11-1  | 75472    | 79627    | 78982    | 78027    | 2.87   | cps   |
| Cadmium    | 111-1 | 469      | 395      | 359      | 408      | 13.69  | cps   |
| Cadmium    | 106-1 | 575      | 450      | 458      | 494      | 14.13  | cps   |
| Cadmium    | 108-1 | 13       | 4        | 17       | 11       | 57.27  | cps   |
| Calcium    | 43-1  | 628971   | 625215   | 627592   | 627259   | 0.30   | cps   |
| Calcium    | 44-1  | 10349453 | 10492432 | 10471064 | 10437650 | 0.74   | cps   |
| Chromium   | 52-2  | 1010     | 1037     | 1027     | 1024     | 1.32   | cps   |
| Cobalt     | 59-2  | 107      | 140      | 143      | 130      | 15.60  | cps   |
| Copper     | 63-2  | 1573     | 1587     | 1567     | 1576     | 0.65   | cps   |
| Dysprosium | 156-1 | 0        | 8        | 0        | 3        | 173.21 | cps   |
| Dysprosium | 156-2 | 7        | 3        | 3        | 4        | 43.40  | cps   |
| Erbium     | 164-1 | 8        | 8        | 8        | 8        | 0.00   | cps   |
| Erbium     | 164-2 | 3        | 3        | 3        | 3        | 0.00   | cps   |
| Gadolinium | 160-1 | 8        | 8        | 0        | 6        | 86.60  | cps   |
| Gadolinium | 160-2 | 27       | 23       | 20       | 23       | 14.29  | cps   |
| Holmium    | 165-1 | 1563987  | 1558934  | 1568579  | 1563833  | 0.31   | cps   |
| Holmium    | 165-2 | 749500   | 760336   | 753670   | 754502   | 0.72   | cps   |
| Indium     | 115-1 | 1079127  | 1049517  | 1058314  | 1062319  | 1.43   | cps   |
| Indium     | 115-2 | 190877   | 192880   | 192387   | 192048   | 0.54   | cps   |
| Iron       | 56-2  | 5562     | 5434     | 5568     | 5522     | 1.37   | cps   |
| Iron       | 57-2  | 3723     | 4095     | 3751     | 3856     | 5.38   | cps   |
| Krypton    | 83-1  | 53       | 60       | 80       | 64       | 21.54  | cps   |
| Lead       | 206-1 | 1133     | 1161     | 1028     | 1107     | 6.35   | cps   |
| Lead       | 207-1 | 1161     | 1100     | 1011     | 1091     | 6.92   | cps   |
| Lead       | 208-1 | 4684     | 4695     | 4211     | 4530     | 6.09   | cps   |
| Lithium    | 6-1   | 902711   | 894800   | 888658   | 895390   | 0.79   | cps   |
| Magnesium  | 24-2  | 560999   | 566396   | 553588   | 560328   | 1.15   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:24:42  | DataFile Name :   | 021SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 5504     | 5508     | 5571     | 5528     | 0.68   | cps   |
| Molybdenum | 94-1  | 658      | 517      | 558      | 578      | 12.60  | cps   |
| Molybdenum | 95-1  | 833      | 825      | 883      | 847      | 3.72   | cps   |
| Molybdenum | 96-1  | 925      | 883      | 883      | 897      | 2.68   | cps   |
| Molybdenum | 97-1  | 458      | 442      | 575      | 492      | 14.78  | cps   |
| Molybdenum | 98-1  | 1292     | 1350     | 1325     | 1322     | 2.21   | cps   |
| Neodymium  | 150-1 | 0        | 20       | 7        | 9        | 114.55 | cps   |
| Neodymium  | 150-2 | 3        | 0        | 0        | 1        | 173.21 | cps   |
| Nickel     | 60-2  | 320      | 297      | 230      | 282      | 16.55  | cps   |
| Phosphorus | 31-2  | 192      | 117      | 75       | 128      | 46.27  | cps   |
| Potassium  | 39-2  | 186357   | 187697   | 185486   | 186513   | 0.60   | cps   |
| Rhodium    | 103-1 | 1035508  | 1013262  | 1018903  | 1022558  | 1.13   | cps   |
| Rhodium    | 103-2 | 470619   | 471099   | 469702   | 470473   | 0.15   | cps   |
| Scandium   | 45-1  | 1209842  | 1193756  | 1195824  | 1199807  | 0.73   | cps   |
| Scandium   | 45-2  | 55500    | 55196    | 54436    | 55044    | 1.00   | cps   |
| Selenium   | 77-2  | 7        | 0        | 10       | 6        | 91.64  | cps   |
| Selenium   | 78-2  | 17       | 13       | 17       | 15       | 13.88  | cps   |
| Selenium   | 82-1  | 70       | 75       | 40       | 61       | 30.82  | cps   |
| Silicon    | 28-1  | 11134557 | 11340386 | 11346830 | 11273924 | 1.07   | cps   |
| Silver     | 109-1 | 525      | 350      | 383      | 419      | 22.15  | cps   |
| Silver     | 107-1 | 467      | 517      | 625      | 536      | 15.10  | cps   |
| Sodium     | 23-2  | 3246409  | 3272637  | 3243150  | 3254065  | 0.50   | cps   |
| Strontium  | 86-1  | 251892   | 251348   | 252062   | 251767   | 0.15   | cps   |
| Strontium  | 88-1  | 2183660  | 2215356  | 2206869  | 2201961  | 0.75   | cps   |
| Sulfur     | 34-1  | 239378   | 237099   | 234071   | 236850   | 1.12   | cps   |
| Terbium    | 159-1 | 1619128  | 1609583  | 1614014  | 1614242  | 0.30   | cps   |
| Terbium    | 159-2 | 751721   | 747726   | 745413   | 748287   | 0.43   | cps   |
| Thallium   | 203-1 | 167      | 150      | 117      | 144      | 17.63  | cps   |
| Thallium   | 205-1 | 292      | 292      | 283      | 289      | 1.66   | cps   |
| Thorium    | 232-1 | 100      | 78       | 78       | 85       | 15.06  | cps   |
| Tin        | 118-1 | 1950     | 1834     | 1625     | 1803     | 9.13   | cps   |
| Titanium   | 47-1  | 175      | 158      | 217      | 183      | 16.39  | cps   |
| Uranium    | 238-1 | 4759     | 4701     | 4884     | 4782     | 1.96   | cps   |
| Vanadium   | 51-2  | 1507     | 1400     | 1447     | 1451     | 3.69   | cps   |
| Yttrium    | 89-1  | 1521943  | 1516582  | 1515908  | 1518145  | 0.22   | cps   |
| Yttrium    | 89-2  | 195761   | 198362   | 195916   | 196680   | 0.74   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01DUP          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:24:42  | DataFile Name :   | 021SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 720  | 783  | 707  | 737     | 5.56   | cps   |
| Zirconium | 90-1 | 250  | 292  | 217  | 253     | 14.86  | cps   |
| Zirconium | 91-1 | 50   | 25   | 33   | 36      | 35.25  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01LX5 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 5  
 Date & Time Acquired :: 2019-07-23 14:28:18 DataFile Name : 022SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 25      | 25      | 25      | 25      | 0.00   | cps   |
| Antimony   | 121-1 | 317     | 350     | 292     | 319     | 9.16   | cps   |
| Arsenic    | 75-2  | 30      | 17      | 20      | 22      | 30.04  | cps   |
| Barium     | 135-1 | 5660    | 5285    | 5360    | 5435    | 3.65   | cps   |
| Barium     | 137-1 | 9187    | 9245    | 9328    | 9253    | 0.77   | cps   |
| Beryllium  | 9-1   | 50      | 33      | 33      | 39      | 24.75  | cps   |
| Bismuth    | 209-1 | 919283  | 919864  | 901340  | 913496  | 1.15   | cps   |
| Bismuth    | 209-2 | 523335  | 524217  | 536242  | 527931  | 1.37   | cps   |
| Boron      | 10-1  | 5059    | 4593    | 4734    | 4795    | 4.99   | cps   |
| Boron      | 11-1  | 20982   | 21324   | 20481   | 20929   | 2.03   | cps   |
| Cadmium    | 111-1 | 293     | 248     | 333     | 291     | 14.53  | cps   |
| Cadmium    | 106-1 | 400     | 333     | 450     | 394     | 14.84  | cps   |
| Cadmium    | 108-1 | 0       | 8       | 4       | 4       | 99.96  | cps   |
| Calcium    | 43-1  | 130724  | 128739  | 127101  | 128855  | 1.41   | cps   |
| Calcium    | 44-1  | 2100665 | 2130478 | 2124442 | 2118529 | 0.74   | cps   |
| Chromium   | 52-2  | 313     | 337     | 347     | 332     | 5.15   | cps   |
| Cobalt     | 59-2  | 30      | 33      | 30      | 31      | 6.18   | cps   |
| Copper     | 63-2  | 587     | 597     | 513     | 566     | 8.05   | cps   |
| Dysprosium | 156-1 | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Erbium     | 164-1 | 8       | 0       | 8       | 6       | 86.60  | cps   |
| Erbium     | 164-2 | 3       | 0       | 3       | 2       | 86.60  | cps   |
| Gadolinium | 160-1 | 8       | 0       | 8       | 6       | 86.60  | cps   |
| Gadolinium | 160-2 | 13      | 13      | 13      | 13      | 0.00   | cps   |
| Holmium    | 165-1 | 1506247 | 1521772 | 1529921 | 1519313 | 0.79   | cps   |
| Holmium    | 165-2 | 790864  | 790694  | 807746  | 796434  | 1.23   | cps   |
| Indium     | 115-1 | 1047906 | 1028308 | 1023622 | 1033278 | 1.25   | cps   |
| Indium     | 115-2 | 202726  | 205698  | 207077  | 205167  | 1.08   | cps   |
| Iron       | 56-2  | 1817    | 1939    | 1795    | 1850    | 4.20   | cps   |
| Iron       | 57-2  | 995     | 794     | 878     | 889     | 11.30  | cps   |
| Krypton    | 83-1  | 77      | 43      | 40      | 53      | 38.02  | cps   |
| Lead       | 206-1 | 606     | 467     | 439     | 504     | 17.73  | cps   |
| Lead       | 207-1 | 406     | 511     | 328     | 415     | 22.18  | cps   |
| Lead       | 208-1 | 2206    | 2061    | 1845    | 2037    | 8.92   | cps   |
| Lithium    | 6-1   | 751312  | 746107  | 746903  | 748107  | 0.37   | cps   |
| Magnesium  | 24-2  | 116332  | 117877  | 117382  | 117197  | 0.67   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 14:28:18  | DataFile Name :   | 022SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 1143    | 1150    | 1143    | 1146    | 0.34   | cps   |
| Molybdenum | 94-1  | 125     | 167     | 208     | 167     | 25.00  | cps   |
| Molybdenum | 95-1  | 208     | 83      | 183     | 158     | 41.77  | cps   |
| Molybdenum | 96-1  | 192     | 208     | 225     | 208     | 8.00   | cps   |
| Molybdenum | 97-1  | 183     | 133     | 125     | 147     | 21.43  | cps   |
| Molybdenum | 98-1  | 250     | 325     | 258     | 278     | 14.80  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 60      | 73      | 77      | 70      | 12.60  | cps   |
| Phosphorus | 31-2  | 75      | 33      | 33      | 47      | 50.95  | cps   |
| Potassium  | 39-2  | 41977   | 41944   | 40606   | 41509   | 1.88   | cps   |
| Rhodium    | 103-1 | 1032985 | 1015940 | 1001385 | 1016770 | 1.56   | cps   |
| Rhodium    | 103-2 | 494647  | 497597  | 508820  | 500355  | 1.49   | cps   |
| Scandium   | 45-1  | 1167225 | 1156948 | 1152606 | 1158927 | 0.65   | cps   |
| Scandium   | 45-2  | 56621   | 56313   | 57933   | 56956   | 1.51   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 17      | 17      | 13      | 15      | 13.88  | cps   |
| Selenium   | 82-1  | 21      | 73      | 71      | 55      | 53.71  | cps   |
| Silicon    | 28-1  | 2304037 | 2332390 | 2321526 | 2319318 | 0.62   | cps   |
| Silver     | 109-1 | 75      | 117     | 158     | 117     | 35.72  | cps   |
| Silver     | 107-1 | 158     | 133     | 192     | 161     | 18.17  | cps   |
| Sodium     | 23-2  | 657795  | 675043  | 673483  | 668774  | 1.43   | cps   |
| Strontium  | 86-1  | 52004   | 52655   | 51627   | 52095   | 1.00   | cps   |
| Strontium  | 88-1  | 448237  | 439284  | 439803  | 442441  | 1.14   | cps   |
| Sulfur     | 34-1  | 128770  | 129684  | 127668  | 128707  | 0.78   | cps   |
| Terbium    | 159-1 | 1583177 | 1583164 | 1569157 | 1578499 | 0.51   | cps   |
| Terbium    | 159-2 | 778534  | 783644  | 791256  | 784478  | 0.82   | cps   |
| Thallium   | 203-1 | 50      | 33      | 42      | 42      | 19.99  | cps   |
| Thallium   | 205-1 | 117     | 117     | 125     | 119     | 4.03   | cps   |
| Thorium    | 232-1 | 78      | 50      | 72      | 67      | 22.05  | cps   |
| Tin        | 118-1 | 425     | 367     | 433     | 408     | 8.90   | cps   |
| Titanium   | 47-1  | 108     | 100     | 67      | 92      | 24.05  | cps   |
| Uranium    | 238-1 | 792     | 917     | 942     | 883     | 9.10   | cps   |
| Vanadium   | 51-2  | 347     | 263     | 283     | 298     | 14.61  | cps   |
| Yttrium    | 89-1  | 1481593 | 1472978 | 1470165 | 1474912 | 0.40   | cps   |
| Yttrium    | 89-2  | 206157  | 204047  | 209160  | 206455  | 1.24   | cps   |



|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01LX5          | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 14:28:18  | DataFile Name :   | 022SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 207  | 163  | 173  | 181     | 12.53  | cps   |
| Zirconium | 90-1 | 100  | 125  | 125  | 117     | 12.38  | cps   |
| Zirconium | 91-1 | 17   | 25   | 17   | 19      | 24.73  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-02 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:31:55 DataFile Name : 023SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 223794   | 230003   | 228343   | 227380   | 1.41   | cps   |
| Antimony   | 121-1 | 592399   | 586998   | 589807   | 589735   | 0.46   | cps   |
| Arsenic    | 75-2  | 22731    | 23159    | 23098    | 22996    | 1.01   | cps   |
| Barium     | 135-1 | 854042   | 851074   | 858043   | 854386   | 0.41   | cps   |
| Barium     | 137-1 | 1478548  | 1480372  | 1499967  | 1486296  | 0.80   | cps   |
| Beryllium  | 9-1   | 270781   | 270868   | 271540   | 271063   | 0.15   | cps   |
| Bismuth    | 209-1 | 888508   | 881104   | 918664   | 896092   | 2.22   | cps   |
| Bismuth    | 209-2 | 468579   | 471421   | 473267   | 471089   | 0.50   | cps   |
| Boron      | 10-1  | 63199    | 63216    | 63819    | 63411    | 0.56   | cps   |
| Boron      | 11-1  | 267524   | 274321   | 281523   | 274456   | 2.55   | cps   |
| Cadmium    | 111-1 | 151888   | 151992   | 153580   | 152487   | 0.62   | cps   |
| Cadmium    | 106-1 | 17453    | 17136    | 18021    | 17537    | 2.56   | cps   |
| Cadmium    | 108-1 | 12360    | 11592    | 11676    | 11876    | 3.55   | cps   |
| Calcium    | 43-1  | 907305   | 919512   | 923308   | 916708   | 0.91   | cps   |
| Calcium    | 44-1  | 15068577 | 15199464 | 15259325 | 15175789 | 0.64   | cps   |
| Chromium   | 52-2  | 275579   | 275217   | 274014   | 274936   | 0.30   | cps   |
| Cobalt     | 59-2  | 352887   | 357076   | 354134   | 354699   | 0.61   | cps   |
| Copper     | 63-2  | 422191   | 426747   | 424323   | 424421   | 0.54   | cps   |
| Dysprosium | 156-1 | 17       | 8        | 33       | 19       | 65.47  | cps   |
| Dysprosium | 156-2 | 23       | 7        | 10       | 13       | 66.12  | cps   |
| Erbium     | 164-1 | 0        | 0        | 25       | 8        | 173.21 | cps   |
| Erbium     | 164-2 | 3        | 3        | 3        | 3        | 0.00   | cps   |
| Gadolinium | 160-1 | 0        | 0        | 17       | 6        | 173.21 | cps   |
| Gadolinium | 160-2 | 17       | 10       | 30       | 19       | 53.91  | cps   |
| Holmium    | 165-1 | 1549175  | 1550546  | 1588981  | 1562901  | 1.45   | cps   |
| Holmium    | 165-2 | 748575   | 760075   | 754688   | 754446   | 0.76   | cps   |
| Indium     | 115-1 | 1022461  | 1011616  | 1035591  | 1023223  | 1.17   | cps   |
| Indium     | 115-2 | 182800   | 182410   | 184009   | 183073   | 0.46   | cps   |
| Iron       | 56-2  | 9820075  | 9830722  | 9740892  | 9797230  | 0.50   | cps   |
| Iron       | 57-2  | 247143   | 252030   | 249448   | 249540   | 0.98   | cps   |
| Krypton    | 83-1  | 77       | 93       | 93       | 88       | 10.96  | cps   |
| Lead       | 206-1 | 487769   | 479808   | 484041   | 483873   | 0.82   | cps   |
| Lead       | 207-1 | 451614   | 450642   | 454362   | 452206   | 0.43   | cps   |
| Lead       | 208-1 | 2010918  | 2010676  | 2026913  | 2016169  | 0.46   | cps   |
| Lithium    | 6-1   | 831905   | 831199   | 843088   | 835397   | 0.80   | cps   |
| Magnesium  | 24-2  | 3333710  | 3340305  | 3325163  | 3333059  | 0.23   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-02             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:31:55  | DataFile Name :   | 023SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 320937   | 324085   | 320258   | 321760   | 0.63   | cps   |
| Molybdenum | 94-1  | 1532533  | 1546495  | 1559486  | 1546171  | 0.87   | cps   |
| Molybdenum | 95-1  | 1922137  | 1935587  | 1951199  | 1936307  | 0.75   | cps   |
| Molybdenum | 96-1  | 2133232  | 2139475  | 2165718  | 2146141  | 0.80   | cps   |
| Molybdenum | 97-1  | 1143055  | 1133654  | 1136143  | 1137617  | 0.43   | cps   |
| Molybdenum | 98-1  | 3055775  | 3068707  | 3082842  | 3069108  | 0.44   | cps   |
| Neodymium  | 150-1 | 53       | 47       | 67       | 56       | 18.33  | cps   |
| Neodymium  | 150-2 | 3        | 3        | 17       | 8        | 99.04  | cps   |
| Nickel     | 60-2  | 84582    | 86982    | 86336    | 85967    | 1.44   | cps   |
| Phosphorus | 31-2  | 117      | 108      | 142      | 122      | 14.19  | cps   |
| Potassium  | 39-2  | 1337786  | 1339414  | 1326239  | 1334480  | 0.54   | cps   |
| Rhodium    | 103-1 | 971530   | 961147   | 983779   | 972152   | 1.17   | cps   |
| Rhodium    | 103-2 | 450304   | 454936   | 457194   | 454145   | 0.77   | cps   |
| Scandium   | 45-1  | 1171171  | 1161474  | 1186949  | 1173198  | 1.10   | cps   |
| Scandium   | 45-2  | 54453    | 54707    | 53326    | 54162    | 1.36   | cps   |
| Selenium   | 77-2  | 630      | 623      | 723      | 659      | 8.49   | cps   |
| Selenium   | 78-2  | 2093     | 2306     | 2163     | 2187     | 4.96   | cps   |
| Selenium   | 82-1  | 15092    | 14890    | 15222    | 15068    | 1.11   | cps   |
| Silicon    | 28-1  | 11185773 | 11191342 | 11337795 | 11238304 | 0.77   | cps   |
| Silver     | 109-1 | 643552   | 643352   | 645525   | 644143   | 0.19   | cps   |
| Silver     | 107-1 | 675822   | 664544   | 666222   | 668862   | 0.91   | cps   |
| Sodium     | 23-2  | 8840483  | 8943612  | 8839323  | 8874473  | 0.67   | cps   |
| Strontium  | 86-1  | 473761   | 478449   | 476622   | 476277   | 0.50   | cps   |
| Strontium  | 88-1  | 4090684  | 4122964  | 4140490  | 4118046  | 0.61   | cps   |
| Sulfur     | 34-1  | 221844   | 220729   | 220981   | 221185   | 0.26   | cps   |
| Terbium    | 159-1 | 1597375  | 1591971  | 1643225  | 1610857  | 1.75   | cps   |
| Terbium    | 159-2 | 742852   | 744406   | 742684   | 743314   | 0.13   | cps   |
| Thallium   | 203-1 | 573047   | 564953   | 576249   | 571417   | 1.02   | cps   |
| Thallium   | 205-1 | 1376510  | 1376430  | 1405660  | 1386200  | 1.22   | cps   |
| Thorium    | 232-1 | 317      | 394      | 306      | 339      | 14.29  | cps   |
| Tin        | 118-1 | 494795   | 493334   | 495308   | 494479   | 0.21   | cps   |
| Titanium   | 47-1  | 709923   | 712389   | 709096   | 710469   | 0.24   | cps   |
| Uranium    | 238-1 | 2579967  | 2624012  | 2623367  | 2609116  | 0.97   | cps   |
| Vanadium   | 51-2  | 238668   | 240827   | 237677   | 239057   | 0.67   | cps   |
| Yttrium    | 89-1  | 1474378  | 1475481  | 1504945  | 1484935  | 1.17   | cps   |
| Yttrium    | 89-2  | 192288   | 193774   | 195058   | 193707   | 0.72   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-02             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:31:55  | DataFile Name :   | 023SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 61282   | 62674   | 61358   | 61771   | 1.27   | cps   |
| Zirconium | 90-1 | 1270795 | 1254047 | 1315471 | 1280105 | 2.48   | cps   |
| Zirconium | 91-1 | 290307  | 286023  | 287622  | 287984  | 0.75   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-03 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:35:32 DataFile Name : 024SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 231539   | 234538   | 236167   | 234081   | 1.00   | cps   |
| Antimony   | 121-1 | 605356   | 612490   | 616662   | 611503   | 0.93   | cps   |
| Arsenic    | 75-2  | 23701    | 23994    | 24473    | 24056    | 1.62   | cps   |
| Barium     | 135-1 | 870008   | 893120   | 890543   | 884557   | 1.43   | cps   |
| Barium     | 137-1 | 1506681  | 1554316  | 1565080  | 1542025  | 2.02   | cps   |
| Beryllium  | 9-1   | 273264   | 279611   | 280323   | 277732   | 1.40   | cps   |
| Bismuth    | 209-1 | 955739   | 924415   | 914324   | 931493   | 2.32   | cps   |
| Bismuth    | 209-2 | 484148   | 491908   | 483018   | 486358   | 1.00   | cps   |
| Boron      | 10-1  | 65794    | 68522    | 68330    | 67549    | 2.25   | cps   |
| Boron      | 11-1  | 283783   | 289416   | 297850   | 290350   | 2.44   | cps   |
| Cadmium    | 111-1 | 157451   | 156715   | 157506   | 157224   | 0.28   | cps   |
| Cadmium    | 106-1 | 18988    | 18588    | 19130    | 18902    | 1.49   | cps   |
| Cadmium    | 108-1 | 12026    | 12673    | 12105    | 12268    | 2.87   | cps   |
| Calcium    | 43-1  | 932972   | 942385   | 952479   | 942612   | 1.03   | cps   |
| Calcium    | 44-1  | 15353977 | 15755240 | 15843102 | 15650773 | 1.67   | cps   |
| Chromium   | 52-2  | 282643   | 290454   | 288347   | 287148   | 1.41   | cps   |
| Cobalt     | 59-2  | 367145   | 372339   | 371620   | 370368   | 0.76   | cps   |
| Copper     | 63-2  | 438228   | 446404   | 444483   | 443038   | 0.97   | cps   |
| Dysprosium | 156-1 | 33       | 0        | 8        | 14       | 124.91 | cps   |
| Dysprosium | 156-2 | 20       | 17       | 10       | 16       | 32.73  | cps   |
| Erbium     | 164-1 | 17       | 0        | 0        | 6        | 173.21 | cps   |
| Erbium     | 164-2 | 7        | 3        | 10       | 7        | 50.03  | cps   |
| Gadolinium | 160-1 | 8        | 0        | 0        | 3        | 173.21 | cps   |
| Gadolinium | 160-2 | 37       | 10       | 27       | 24       | 55.11  | cps   |
| Holmium    | 165-1 | 1660215  | 1635737  | 1615896  | 1637282  | 1.36   | cps   |
| Holmium    | 165-2 | 770442   | 789349   | 779607   | 779799   | 1.21   | cps   |
| Indium     | 115-1 | 1083782  | 1068962  | 1051358  | 1068034  | 1.52   | cps   |
| Indium     | 115-2 | 188944   | 191106   | 189014   | 189688   | 0.65   | cps   |
| Iron       | 56-2  | 10078746 | 10167112 | 10119346 | 10121735 | 0.44   | cps   |
| Iron       | 57-2  | 255173   | 262507   | 261197   | 259626   | 1.51   | cps   |
| Krypton    | 83-1  | 50       | 87       | 60       | 66       | 28.92  | cps   |
| Lead       | 206-1 | 504460   | 505164   | 509420   | 506348   | 0.53   | cps   |
| Lead       | 207-1 | 468287   | 467726   | 475791   | 470601   | 0.96   | cps   |
| Lead       | 208-1 | 2080689  | 2101982  | 2135077  | 2105916  | 1.30   | cps   |
| Lithium    | 6-1   | 850693   | 843148   | 827689   | 840510   | 1.40   | cps   |
| Magnesium  | 24-2  | 3371339  | 3402562  | 3422510  | 3398804  | 0.76   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-03 Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:35:32 DataFile Name : 024SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 330204   | 335212   | 337683   | 334366   | 1.14   | cps   |
| Molybdenum | 94-1  | 1573483  | 1614017  | 1619211  | 1602237  | 1.56   | cps   |
| Molybdenum | 95-1  | 1961483  | 2020449  | 2031403  | 2004445  | 1.88   | cps   |
| Molybdenum | 96-1  | 2201101  | 2273888  | 2268297  | 2247762  | 1.80   | cps   |
| Molybdenum | 97-1  | 1161355  | 1191904  | 1186364  | 1179874  | 1.38   | cps   |
| Molybdenum | 98-1  | 3137770  | 3217961  | 3238667  | 3198133  | 1.67   | cps   |
| Neodymium  | 150-1 | 47       | 47       | 67       | 53       | 21.65  | cps   |
| Neodymium  | 150-2 | 7        | 13       | 10       | 10       | 33.30  | cps   |
| Nickel     | 60-2  | 88716    | 89591    | 90550    | 89619    | 1.02   | cps   |
| Phosphorus | 31-2  | 175      | 125      | 167      | 156      | 17.22  | cps   |
| Potassium  | 39-2  | 1366196  | 1398105  | 1400037  | 1388113  | 1.37   | cps   |
| Rhodium    | 103-1 | 1048304  | 1017069  | 994023   | 1019799  | 2.67   | cps   |
| Rhodium    | 103-2 | 467437   | 474394   | 468872   | 470234   | 0.78   | cps   |
| Scandium   | 45-1  | 1249429  | 1226359  | 1199644  | 1225144  | 2.03   | cps   |
| Scandium   | 45-2  | 55611    | 56839    | 56644    | 56365    | 1.17   | cps   |
| Selenium   | 77-2  | 633      | 673      | 697      | 668      | 4.80   | cps   |
| Selenium   | 78-2  | 2213     | 2308     | 2224     | 2248     | 2.30   | cps   |
| Selenium   | 82-1  | 15416    | 15724    | 15395    | 15512    | 1.19   | cps   |
| Silicon    | 28-1  | 11209061 | 11498154 | 11555169 | 11420795 | 1.62   | cps   |
| Silver     | 109-1 | 661727   | 672416   | 668593   | 667578   | 0.81   | cps   |
| Silver     | 107-1 | 686133   | 693810   | 698944   | 692962   | 0.93   | cps   |
| Sodium     | 23-2  | 9149078  | 9244424  | 9261917  | 9218473  | 0.66   | cps   |
| Strontium  | 86-1  | 482992   | 493217   | 491216   | 489142   | 1.11   | cps   |
| Strontium  | 88-1  | 4190052  | 4312310  | 4346947  | 4283103  | 1.92   | cps   |
| Sulfur     | 34-1  | 214421   | 214657   | 214792   | 214623   | 0.09   | cps   |
| Terbium    | 159-1 | 1715541  | 1701726  | 1668545  | 1695271  | 1.42   | cps   |
| Terbium    | 159-2 | 762938   | 779581   | 769666   | 770728   | 1.09   | cps   |
| Thallium   | 203-1 | 582665   | 591409   | 604888   | 592987   | 1.89   | cps   |
| Thallium   | 205-1 | 1433039  | 1455906  | 1480654  | 1456533  | 1.63   | cps   |
| Thorium    | 232-1 | 256      | 194      | 206      | 219      | 14.90  | cps   |
| Tin        | 118-1 | 502777   | 508236   | 521770   | 510927   | 1.91   | cps   |
| Titanium   | 47-1  | 726080   | 740351   | 740677   | 735703   | 1.13   | cps   |
| Uranium    | 238-1 | 2693939  | 2742505  | 2785193  | 2740546  | 1.67   | cps   |
| Vanadium   | 51-2  | 247034   | 250643   | 250673   | 249450   | 0.84   | cps   |
| Yttrium    | 89-1  | 1583201  | 1569761  | 1535282  | 1562748  | 1.58   | cps   |
| Yttrium    | 89-2  | 198603   | 204197   | 197728   | 200176   | 1.75   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-03             | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:35:32  | DataFile Name :   | 024SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 63437   | 64274   | 63407   | 63706   | 0.77   | cps   |
| Zirconium | 90-1 | 1297567 | 1349780 | 1372389 | 1339912 | 2.86   | cps   |
| Zirconium | 91-1 | 299083  | 292261  | 294791  | 295378  | 1.17   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01A Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:39:09 DataFile Name : 025SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 229721   | 228579   | 228200   | 228833   | 0.35   | cps   |
| Antimony   | 121-1 | 605388   | 603148   | 615261   | 607932   | 1.06   | cps   |
| Arsenic    | 75-2  | 23267    | 23337    | 23584    | 23396    | 0.71   | cps   |
| Barium     | 135-1 | 875155   | 870218   | 873725   | 873033   | 0.29   | cps   |
| Barium     | 137-1 | 1518804  | 1515709  | 1553995  | 1529503  | 1.39   | cps   |
| Beryllium  | 9-1   | 271605   | 271398   | 270123   | 271042   | 0.30   | cps   |
| Bismuth    | 209-1 | 909472   | 898716   | 909289   | 905826   | 0.68   | cps   |
| Bismuth    | 209-2 | 480290   | 486126   | 489583   | 485333   | 0.97   | cps   |
| Boron      | 10-1  | 65375    | 67107    | 68230    | 66904    | 2.15   | cps   |
| Boron      | 11-1  | 281120   | 288464   | 288888   | 286157   | 1.53   | cps   |
| Cadmium    | 111-1 | 154938   | 153937   | 154551   | 154475   | 0.33   | cps   |
| Cadmium    | 106-1 | 17929    | 18605    | 18388    | 18307    | 1.88   | cps   |
| Cadmium    | 108-1 | 12080    | 11684    | 12255    | 12007    | 2.44   | cps   |
| Calcium    | 43-1  | 925409   | 925619   | 936704   | 929244   | 0.70   | cps   |
| Calcium    | 44-1  | 15406632 | 15295402 | 15600719 | 15434251 | 1.00   | cps   |
| Chromium   | 52-2  | 279400   | 278476   | 278557   | 278811   | 0.18   | cps   |
| Cobalt     | 59-2  | 360443   | 363197   | 360011   | 361217   | 0.48   | cps   |
| Copper     | 63-2  | 429589   | 436269   | 433998   | 433285   | 0.78   | cps   |
| Dysprosium | 156-1 | 8        | 8        | 8        | 8        | 0.00   | cps   |
| Dysprosium | 156-2 | 10       | 27       | 33       | 23       | 51.50  | cps   |
| Erbium     | 164-1 | 33       | 17       | 8        | 19       | 65.47  | cps   |
| Erbium     | 164-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Gadolinium | 160-1 | 0        | 8        | 33       | 14       | 124.91 | cps   |
| Gadolinium | 160-2 | 17       | 7        | 17       | 13       | 43.29  | cps   |
| Holmium    | 165-1 | 1586533  | 1618676  | 1630778  | 1611995  | 1.42   | cps   |
| Holmium    | 165-2 | 770318   | 785102   | 784693   | 780038   | 1.08   | cps   |
| Indium     | 115-1 | 1046699  | 1041408  | 1043955  | 1044021  | 0.25   | cps   |
| Indium     | 115-2 | 188868   | 188129   | 191291   | 189429   | 0.87   | cps   |
| Iron       | 56-2  | 9866225  | 9948243  | 9859964  | 9891477  | 0.50   | cps   |
| Iron       | 57-2  | 250730   | 255107   | 253307   | 253048   | 0.87   | cps   |
| Krypton    | 83-1  | 73       | 70       | 73       | 72       | 2.66   | cps   |
| Lead       | 206-1 | 501754   | 500714   | 502367   | 501612   | 0.17   | cps   |
| Lead       | 207-1 | 464856   | 467664   | 470077   | 467532   | 0.56   | cps   |
| Lead       | 208-1 | 2079495  | 2083434  | 2103723  | 2088884  | 0.62   | cps   |
| Lithium    | 6-1   | 798694   | 794961   | 798498   | 797384   | 0.26   | cps   |
| Magnesium  | 24-2  | 3344814  | 3325459  | 3319479  | 3329918  | 0.40   | cps   |



LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3732-01A Instrumnet Name : P7  
 Client Sample ID : KY030LC068-SW-190709 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:39:09 DataFile Name : 025SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 324949   | 325632   | 324742   | 325108   | 0.14   | cps   |
| Molybdenum | 94-1  | 1580034  | 1592424  | 1603805  | 1592088  | 0.75   | cps   |
| Molybdenum | 95-1  | 1975475  | 1984508  | 2001069  | 1987018  | 0.65   | cps   |
| Molybdenum | 96-1  | 2185511  | 2220243  | 2221160  | 2208971  | 0.92   | cps   |
| Molybdenum | 97-1  | 1164979  | 1160858  | 1165460  | 1163766  | 0.22   | cps   |
| Molybdenum | 98-1  | 3140426  | 3141927  | 3163187  | 3148513  | 0.40   | cps   |
| Neodymium  | 150-1 | 40       | 53       | 47       | 47       | 14.29  | cps   |
| Neodymium  | 150-2 | 7        | 13       | 3        | 8        | 65.47  | cps   |
| Nickel     | 60-2  | 88133    | 87925    | 87489    | 87849    | 0.37   | cps   |
| Phosphorus | 31-2  | 142      | 117      | 233      | 164      | 37.48  | cps   |
| Potassium  | 39-2  | 1348643  | 1343043  | 1345074  | 1345587  | 0.21   | cps   |
| Rhodium    | 103-1 | 996510   | 989782   | 1000575  | 995622   | 0.55   | cps   |
| Rhodium    | 103-2 | 468524   | 470620   | 470771   | 469971   | 0.27   | cps   |
| Scandium   | 45-1  | 1184232  | 1179860  | 1182078  | 1182057  | 0.18   | cps   |
| Scandium   | 45-2  | 55875    | 54620    | 56815    | 55770    | 1.97   | cps   |
| Selenium   | 77-2  | 577      | 617      | 640      | 611      | 5.24   | cps   |
| Selenium   | 78-2  | 2145     | 2309     | 2250     | 2235     | 3.74   | cps   |
| Selenium   | 82-1  | 14979    | 15027    | 15447    | 15151    | 1.70   | cps   |
| Silicon    | 28-1  | 11124488 | 11253222 | 11299237 | 11225649 | 0.81   | cps   |
| Silver     | 109-1 | 662297   | 662930   | 661223   | 662150   | 0.13   | cps   |
| Silver     | 107-1 | 695211   | 688389   | 688710   | 690770   | 0.56   | cps   |
| Sodium     | 23-2  | 8977518  | 8951348  | 8972343  | 8967070  | 0.15   | cps   |
| Strontium  | 86-1  | 486065   | 483819   | 490852   | 486912   | 0.74   | cps   |
| Strontium  | 88-1  | 4189775  | 4214904  | 4283648  | 4229442  | 1.15   | cps   |
| Sulfur     | 34-1  | 210000   | 214007   | 210028   | 211345   | 1.09   | cps   |
| Terbium    | 159-1 | 1638929  | 1665741  | 1671112  | 1658594  | 1.04   | cps   |
| Terbium    | 159-2 | 764952   | 773764   | 775239   | 771319   | 0.72   | cps   |
| Thallium   | 203-1 | 594524   | 587383   | 593213   | 591707   | 0.64   | cps   |
| Thallium   | 205-1 | 1428981  | 1451417  | 1452544  | 1444314  | 0.92   | cps   |
| Thorium    | 232-1 | 144      | 150      | 178      | 157      | 11.34  | cps   |
| Tin        | 118-1 | 505965   | 506739   | 511717   | 508141   | 0.61   | cps   |
| Titanium   | 47-1  | 724284   | 720429   | 723693   | 722802   | 0.29   | cps   |
| Uranium    | 238-1 | 2687191  | 2703552  | 2741272  | 2710672  | 1.02   | cps   |
| Vanadium   | 51-2  | 241809   | 244389   | 243385   | 243194   | 0.53   | cps   |
| Yttrium    | 89-1  | 1507991  | 1519104  | 1536078  | 1521057  | 0.93   | cps   |
| Yttrium    | 89-2  | 199314   | 198602   | 201716   | 199877   | 0.82   | cps   |

|                         |                      |                   |           |
|-------------------------|----------------------|-------------------|-----------|
| LB Number :             | LB104174             | Operator :        | Jaswal    |
| Lab Sample ID :         | K3732-01A            | Instrumnet Name : | P7        |
| Client Sample ID :      | KY030LC068-SW-190709 | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:39:09  | DataFile Name :   | 025SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 61646   | 62476   | 62768   | 62297   | 0.93   | cps   |
| Zirconium | 90-1 | 1328854 | 1334065 | 1347441 | 1336787 | 0.72   | cps   |
| Zirconium | 91-1 | 294857  | 291251  | 291203  | 292437  | 0.72   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : PB121595BL Instrumnet Name : P7  
 Client Sample ID : PB121595BL Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:49:36 DataFile Name : 026CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 8       | 17      | 8       | 11      | 43.34  | cps   |
| Antimony   | 121-1 | 17      | 42      | 33      | 31      | 41.66  | cps   |
| Arsenic    | 75-2  | 4       | 2       | 0       | 2       | 100.00 | cps   |
| Barium     | 135-1 | 8       | 0       | 8       | 6       | 86.60  | cps   |
| Barium     | 137-1 | 0       | 17      | 17      | 11      | 86.60  | cps   |
| Beryllium  | 9-1   | 47      | 67      | 63      | 59      | 18.19  | cps   |
| Bismuth    | 209-1 | 886308  | 871101  | 862605  | 873338  | 1.38   | cps   |
| Bismuth    | 209-2 | 486372  | 487739  | 490539  | 488217  | 0.44   | cps   |
| Boron      | 10-1  | 1683    | 1800    | 1567    | 1683    | 6.93   | cps   |
| Boron      | 11-1  | 7419    | 7235    | 6910    | 7188    | 3.58   | cps   |
| Cadmium    | 111-1 | 319     | 335     | 319     | 324     | 2.82   | cps   |
| Cadmium    | 106-1 | 450     | 467     | 450     | 456     | 2.11   | cps   |
| Cadmium    | 108-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Calcium    | 43-1  | 8       | 25      | 42      | 25      | 66.68  | cps   |
| Calcium    | 44-1  | 2117    | 2442    | 2359    | 2306    | 7.32   | cps   |
| Chromium   | 52-2  | 210     | 200     | 190     | 200     | 5.00   | cps   |
| Cobalt     | 59-2  | 3       | 7       | 3       | 4       | 43.40  | cps   |
| Copper     | 63-2  | 183     | 190     | 153     | 176     | 11.12  | cps   |
| Dysprosium | 156-1 | 0       | 17      | 0       | 6       | 173.21 | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Erbium     | 164-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Gadolinium | 160-2 | 27      | 13      | 27      | 22      | 34.66  | cps   |
| Holmium    | 165-1 | 1485534 | 1477442 | 1465586 | 1476187 | 0.68   | cps   |
| Holmium    | 165-2 | 727508  | 734147  | 734059  | 731905  | 0.52   | cps   |
| Indium     | 115-1 | 990471  | 980094  | 981989  | 984184  | 0.56   | cps   |
| Indium     | 115-2 | 186975  | 188851  | 188592  | 188139  | 0.54   | cps   |
| Iron       | 56-2  | 644     | 889     | 806     | 780     | 15.94  | cps   |
| Iron       | 57-2  | 61      | 50      | 78      | 63      | 22.21  | cps   |
| Krypton    | 83-1  | 37      | 47      | 53      | 46      | 18.41  | cps   |
| Lead       | 206-1 | 200     | 183     | 183     | 189     | 5.10   | cps   |
| Lead       | 207-1 | 189     | 206     | 222     | 206     | 8.11   | cps   |
| Lead       | 208-1 | 850     | 1022    | 861     | 911     | 10.58  | cps   |
| Lithium    | 6-1   | 685622  | 683373  | 690033  | 686343  | 0.49   | cps   |
| Magnesium  | 24-2  | 25      | 33      | 58      | 39      | 44.62  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:49:36 | DataFile Name :   | 026CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 7       | 20      | 7       | 11      | 69.25  | cps   |
| Molybdenum | 94-1  | 58      | 75      | 108     | 81      | 31.60  | cps   |
| Molybdenum | 95-1  | 67      | 67      | 58      | 64      | 7.53   | cps   |
| Molybdenum | 96-1  | 67      | 67      | 83      | 72      | 13.33  | cps   |
| Molybdenum | 97-1  | 92      | 25      | 75      | 64      | 54.31  | cps   |
| Molybdenum | 98-1  | 108     | 50      | 67      | 75      | 40.06  | cps   |
| Neodymium  | 150-1 | 0       | 7       | 7       | 4       | 86.60  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 17      | 0       | 3       | 7       | 132.33 | cps   |
| Phosphorus | 31-2  | 42      | 33      | 25      | 33      | 25.01  | cps   |
| Potassium  | 39-2  | 5026    | 4518    | 4751    | 4765    | 5.34   | cps   |
| Rhodium    | 103-1 | 979970  | 981293  | 977901  | 979721  | 0.17   | cps   |
| Rhodium    | 103-2 | 457766  | 464082  | 459504  | 460451  | 0.71   | cps   |
| Scandium   | 45-1  | 1117673 | 1120653 | 1125721 | 1121349 | 0.36   | cps   |
| Scandium   | 45-2  | 51636   | 50502   | 51773   | 51304   | 1.36   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 6       | 9       | 7       | 7       | 24.97  | cps   |
| Selenium   | 82-1  | 47      | 27      | 21      | 32      | 43.41  | cps   |
| Silicon    | 28-1  | 46966   | 46423   | 47777   | 47055   | 1.45   | cps   |
| Silver     | 109-1 | 50      | 33      | 100     | 61      | 56.78  | cps   |
| Silver     | 107-1 | 42      | 42      | 25      | 36      | 26.65  | cps   |
| Sodium     | 23-2  | 6068    | 5985    | 6143    | 6065    | 1.31   | cps   |
| Strontium  | 86-1  | 50      | 83      | 67      | 67      | 25.00  | cps   |
| Strontium  | 88-1  | 42      | 25      | 25      | 31      | 31.50  | cps   |
| Sulfur     | 34-1  | 89879   | 90642   | 90097   | 90206   | 0.44   | cps   |
| Terbium    | 159-1 | 1530536 | 1536689 | 1537039 | 1534755 | 0.24   | cps   |
| Terbium    | 159-2 | 719421  | 725048  | 721075  | 721848  | 0.40   | cps   |
| Thallium   | 203-1 | 25      | 17      | 8       | 17      | 50.01  | cps   |
| Thallium   | 205-1 | 50      | 100     | 75      | 75      | 33.34  | cps   |
| Thorium    | 232-1 | 28      | 39      | 22      | 30      | 28.65  | cps   |
| Tin        | 118-1 | 83      | 83      | 83      | 83      | 0.00   | cps   |
| Titanium   | 47-1  | 33      | 25      | 25      | 28      | 17.31  | cps   |
| Uranium    | 238-1 | 8       | 17      | 8       | 11      | 43.34  | cps   |
| Vanadium   | 51-2  | 13      | 0       | 3       | 6       | 124.93 | cps   |
| Yttrium    | 89-1  | 1418229 | 1433079 | 1437865 | 1429724 | 0.72   | cps   |
| Yttrium    | 89-2  | 189481  | 190316  | 188121  | 189306  | 0.59   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BL          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BL          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:49:36 | DataFile Name :   | 026CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 33   | 30   | 33   | 32      | 5.97   | cps   |
| Zirconium | 90-1 | 142  | 100  | 133  | 125     | 17.64  | cps   |
| Zirconium | 91-1 | 8    | 25   | 25   | 19      | 49.50  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : PB121595BS Instrumnet Name : P7  
 Client Sample ID : PB121595BS Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 14:53:13 DataFile Name : 027LCS6.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 220544  | 222916  | 224958  | 222806  | 0.99   | cps   |
| Antimony   | 121-1 | 586503  | 581764  | 584808  | 584358  | 0.41   | cps   |
| Arsenic    | 75-2  | 21705   | 22280   | 22004   | 21996   | 1.31   | cps   |
| Barium     | 135-1 | 825165  | 820829  | 811231  | 819075  | 0.87   | cps   |
| Barium     | 137-1 | 1442354 | 1436868 | 1426457 | 1435226 | 0.56   | cps   |
| Beryllium  | 9-1   | 283711  | 279732  | 279339  | 280927  | 0.86   | cps   |
| Bismuth    | 209-1 | 892832  | 883442  | 881092  | 885788  | 0.70   | cps   |
| Bismuth    | 209-2 | 495108  | 476700  | 525541  | 499116  | 4.94   | cps   |
| Boron      | 10-1  | 48278   | 49139   | 50260   | 49225   | 2.02   | cps   |
| Boron      | 11-1  | 202846  | 203325  | 206282  | 204151  | 0.91   | cps   |
| Cadmium    | 111-1 | 157006  | 155536  | 154296  | 155613  | 0.87   | cps   |
| Cadmium    | 106-1 | 18404   | 18062   | 18321   | 18262   | 0.98   | cps   |
| Cadmium    | 108-1 | 12435   | 12201   | 12414   | 12350   | 1.05   | cps   |
| Calcium    | 43-1  | 322251  | 322496  | 318588  | 321112  | 0.68   | cps   |
| Calcium    | 44-1  | 5316081 | 5314150 | 5303117 | 5311116 | 0.13   | cps   |
| Chromium   | 52-2  | 266539  | 266950  | 267962  | 267150  | 0.27   | cps   |
| Cobalt     | 59-2  | 341917  | 347625  | 346449  | 345330  | 0.87   | cps   |
| Copper     | 63-2  | 414038  | 415870  | 414902  | 414937  | 0.22   | cps   |
| Dysprosium | 156-1 | 8       | 25      | 0       | 11      | 114.58 | cps   |
| Dysprosium | 156-2 | 13      | 23      | 23      | 20      | 28.87  | cps   |
| Erbium     | 164-1 | 25      | 8       | 25      | 19      | 49.50  | cps   |
| Erbium     | 164-2 | 7       | 0       | 10      | 6       | 91.64  | cps   |
| Gadolinium | 160-1 | 0       | 17      | 17      | 11      | 86.60  | cps   |
| Gadolinium | 160-2 | 30      | 37      | 43      | 37      | 18.18  | cps   |
| Holmium    | 165-1 | 1528379 | 1533350 | 1517570 | 1526433 | 0.53   | cps   |
| Holmium    | 165-2 | 767686  | 732720  | 810888  | 770431  | 5.08   | cps   |
| Indium     | 115-1 | 993897  | 978698  | 976266  | 982954  | 0.97   | cps   |
| Indium     | 115-2 | 185093  | 178284  | 196135  | 186504  | 4.83   | cps   |
| Iron       | 56-2  | 9721557 | 9681845 | 9695766 | 9699723 | 0.21   | cps   |
| Iron       | 57-2  | 242564  | 245097  | 245230  | 244297  | 0.61   | cps   |
| Krypton    | 83-1  | 47      | 53      | 73      | 58      | 24.02  | cps   |
| Lead       | 206-1 | 495376  | 492416  | 487886  | 491893  | 0.77   | cps   |
| Lead       | 207-1 | 446973  | 446731  | 441142  | 444948  | 0.74   | cps   |
| Lead       | 208-1 | 2042601 | 2033282 | 2022503 | 2032796 | 0.49   | cps   |
| Lithium    | 6-1   | 696289  | 696363  | 694043  | 695565  | 0.19   | cps   |
| Magnesium  | 24-2  | 2691054 | 2694380 | 2673321 | 2686252 | 0.42   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:53:13 | DataFile Name :   | 027LCS6.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 305167  | 306617  | 308722  | 306835  | 0.58   | cps   |
| Molybdenum | 94-1  | 1622071 | 1630360 | 1624355 | 1625596 | 0.26   | cps   |
| Molybdenum | 95-1  | 2030911 | 2038026 | 2013901 | 2027613 | 0.61   | cps   |
| Molybdenum | 96-1  | 2275581 | 2274267 | 2274721 | 2274856 | 0.03   | cps   |
| Molybdenum | 97-1  | 1192430 | 1188897 | 1180964 | 1187430 | 0.49   | cps   |
| Molybdenum | 98-1  | 3253538 | 3221517 | 3232824 | 3235960 | 0.50   | cps   |
| Neodymium  | 150-1 | 87      | 40      | 67      | 64      | 36.33  | cps   |
| Neodymium  | 150-2 | 10      | 23      | 20      | 18      | 39.03  | cps   |
| Nickel     | 60-2  | 82303   | 83801   | 84280   | 83461   | 1.24   | cps   |
| Phosphorus | 31-2  | 12622   | 11972   | 11947   | 12180   | 3.14   | cps   |
| Potassium  | 39-2  | 1137615 | 1140771 | 1140824 | 1139737 | 0.16   | cps   |
| Rhodium    | 103-1 | 952043  | 941734  | 929918  | 941232  | 1.18   | cps   |
| Rhodium    | 103-2 | 448622  | 428941  | 471468  | 449677  | 4.73   | cps   |
| Scandium   | 45-1  | 1100292 | 1091489 | 1089713 | 1093831 | 0.52   | cps   |
| Scandium   | 45-2  | 51456   | 49205   | 54801   | 51820   | 5.43   | cps   |
| Selenium   | 77-2  | 750     | 630     | 697     | 692     | 8.69   | cps   |
| Selenium   | 78-2  | 2226    | 2259    | 2235    | 2240    | 0.77   | cps   |
| Selenium   | 82-1  | 15200   | 14905   | 15067   | 15057   | 0.98   | cps   |
| Silicon    | 28-1  | 812327  | 821572  | 824393  | 819431  | 0.77   | cps   |
| Silver     | 109-1 | 681197  | 674026  | 673846  | 676356  | 0.62   | cps   |
| Silver     | 107-1 | 703932  | 708047  | 696655  | 702878  | 0.82   | cps   |
| Sodium     | 23-2  | 5552955 | 5614151 | 5617654 | 5594920 | 0.65   | cps   |
| Strontium  | 86-1  | 246880  | 244269  | 244754  | 245301  | 0.57   | cps   |
| Strontium  | 88-1  | 2153089 | 2154242 | 2127473 | 2144935 | 0.71   | cps   |
| Sulfur     | 34-1  | 203175  | 201461  | 201858  | 202165  | 0.44   | cps   |
| Terbium    | 159-1 | 1573018 | 1580478 | 1578658 | 1577385 | 0.25   | cps   |
| Terbium    | 159-2 | 756993  | 724574  | 796015  | 759194  | 4.71   | cps   |
| Thallium   | 203-1 | 593381  | 589578  | 584791  | 589250  | 0.73   | cps   |
| Thallium   | 205-1 | 1455165 | 1450921 | 1442681 | 1449589 | 0.44   | cps   |
| Thorium    | 232-1 | 2712396 | 2715882 | 2713640 | 2713973 | 0.07   | cps   |
| Tin        | 118-1 | 496931  | 494998  | 490783  | 494237  | 0.64   | cps   |
| Titanium   | 47-1  | 701492  | 700599  | 696326  | 699472  | 0.39   | cps   |
| Uranium    | 238-1 | 2709536 | 2718885 | 2708032 | 2712151 | 0.22   | cps   |
| Vanadium   | 51-2  | 229276  | 232363  | 232398  | 231346  | 0.77   | cps   |
| Yttrium    | 89-1  | 1430289 | 1431872 | 1409496 | 1423886 | 0.88   | cps   |
| Yttrium    | 89-2  | 194889  | 183480  | 200281  | 192883  | 4.45   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | PB121595BS          | Instrumnet Name : | P7        |
| Client Sample ID :      | PB121595BS          | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:53:13 | DataFile Name :   | 027LCS6.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 66356   | 67221   | 68362   | 67313   | 1.49   | cps   |
| Zirconium | 90-1 | 1350357 | 1363312 | 1347896 | 1353855 | 0.61   | cps   |
| Zirconium | 91-1 | 293036  | 292624  | 292672  | 292777  | 0.08   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3733-07            | Instrumnet Name : | P7        |
| Client Sample ID :      | EB-01-190709        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:57:59 | DataFile Name :   | 028SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 17      | 17      | 25      | 19      | 24.73  | cps   |
| Antimony   | 121-1 | 283     | 250     | 250     | 261     | 7.37   | cps   |
| Arsenic    | 75-2  | 6       | 0       | 2       | 2       | 114.63 | cps   |
| Barium     | 135-1 | 17      | 0       | 17      | 11      | 86.60  | cps   |
| Barium     | 137-1 | 58      | 25      | 17      | 33      | 66.14  | cps   |
| Beryllium  | 9-1   | 50      | 57      | 60      | 56      | 9.17   | cps   |
| Bismuth    | 209-1 | 1031360 | 1011613 | 1011336 | 1018103 | 1.13   | cps   |
| Bismuth    | 209-2 | 549219  | 546253  | 547322  | 547598  | 0.27   | cps   |
| Boron      | 10-1  | 2192    | 1959    | 1717    | 1956    | 12.15  | cps   |
| Boron      | 11-1  | 8820    | 8836    | 7969    | 8542    | 5.81   | cps   |
| Cadmium    | 111-1 | 276     | 287     | 256     | 273     | 5.72   | cps   |
| Cadmium    | 106-1 | 367     | 408     | 358     | 378     | 7.09   | cps   |
| Cadmium    | 108-1 | 8       | 4       | 4       | 6       | 43.22  | cps   |
| Calcium    | 43-1  | 75      | 117     | 58      | 83      | 36.05  | cps   |
| Calcium    | 44-1  | 3659    | 3459    | 3709    | 3609    | 3.67   | cps   |
| Chromium   | 52-2  | 313     | 243     | 340     | 299     | 16.70  | cps   |
| Cobalt     | 59-2  | 13      | 10      | 7       | 10      | 33.30  | cps   |
| Copper     | 63-2  | 173     | 143     | 180     | 166     | 11.80  | cps   |
| Dysprosium | 156-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 33      | 0       | 8       | 14      | 124.91 | cps   |
| Erbium     | 164-2 | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Gadolinium | 160-1 | 17      | 0       | 17      | 11      | 86.60  | cps   |
| Gadolinium | 160-2 | 27      | 20      | 17      | 21      | 24.12  | cps   |
| Holmium    | 165-1 | 1668471 | 1632444 | 1620838 | 1640584 | 1.51   | cps   |
| Holmium    | 165-2 | 815146  | 809060  | 805836  | 810014  | 0.58   | cps   |
| Indium     | 115-1 | 1132420 | 1108541 | 1109286 | 1116749 | 1.22   | cps   |
| Indium     | 115-2 | 207409  | 207635  | 205776  | 206940  | 0.49   | cps   |
| Iron       | 56-2  | 1011    | 1078    | 950     | 1013    | 6.31   | cps   |
| Iron       | 57-2  | 33      | 22      | 83      | 46      | 70.32  | cps   |
| Krypton    | 83-1  | 47      | 33      | 47      | 42      | 18.24  | cps   |
| Lead       | 206-1 | 261     | 244     | 278     | 261     | 6.38   | cps   |
| Lead       | 207-1 | 250     | 172     | 194     | 206     | 19.49  | cps   |
| Lead       | 208-1 | 1117    | 1000    | 1028    | 1048    | 5.81   | cps   |
| Lithium    | 6-1   | 768791  | 751173  | 746285  | 755416  | 1.57   | cps   |
| Magnesium  | 24-2  | 92      | 117     | 117     | 108     | 13.32  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3733-07            | Instrumnet Name : | P7        |
| Client Sample ID :      | EB-01-190709        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:57:59 | DataFile Name :   | 028SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 13      | 10      | 17      | 13      | 25.01  | cps   |
| Molybdenum | 94-1  | 292     | 125     | 183     | 200     | 42.29  | cps   |
| Molybdenum | 95-1  | 217     | 183     | 133     | 178     | 23.59  | cps   |
| Molybdenum | 96-1  | 183     | 167     | 200     | 183     | 9.09   | cps   |
| Molybdenum | 97-1  | 183     | 117     | 117     | 139     | 27.71  | cps   |
| Molybdenum | 98-1  | 267     | 242     | 175     | 228     | 20.80  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 17      | 13      | 7       | 12      | 41.65  | cps   |
| Phosphorus | 31-2  | 42      | 8       | 42      | 31      | 62.99  | cps   |
| Potassium  | 39-2  | 4476    | 4559    | 4701    | 4579    | 2.49   | cps   |
| Rhodium    | 103-1 | 1084389 | 1054672 | 1043991 | 1061017 | 1.97   | cps   |
| Rhodium    | 103-2 | 507160  | 503754  | 506386  | 505767  | 0.35   | cps   |
| Scandium   | 45-1  | 1229763 | 1200362 | 1190675 | 1206933 | 1.69   | cps   |
| Scandium   | 45-2  | 55644   | 55577   | 55403   | 55541   | 0.22   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 15      | 13      | 7       | 12      | 32.84  | cps   |
| Selenium   | 82-1  | 56      | 43      | 37      | 45      | 20.82  | cps   |
| Silicon    | 28-1  | 49558   | 48989   | 49014   | 49187   | 0.65   | cps   |
| Silver     | 109-1 | 42      | 67      | 75      | 61      | 28.38  | cps   |
| Silver     | 107-1 | 33      | 42      | 42      | 39      | 12.38  | cps   |
| Sodium     | 23-2  | 5743    | 6135    | 5793    | 5890    | 3.62   | cps   |
| Strontium  | 86-1  | 92      | 33      | 58      | 61      | 47.89  | cps   |
| Strontium  | 88-1  | 133     | 158     | 175     | 156     | 13.48  | cps   |
| Sulfur     | 34-1  | 80392   | 82721   | 82763   | 81959   | 1.66   | cps   |
| Terbium    | 159-1 | 1714405 | 1698306 | 1686870 | 1699861 | 0.81   | cps   |
| Terbium    | 159-2 | 808461  | 798757  | 797329  | 801516  | 0.76   | cps   |
| Thallium   | 203-1 | 125     | 75      | 75      | 92      | 31.50  | cps   |
| Thallium   | 205-1 | 175     | 208     | 158     | 181     | 14.10  | cps   |
| Thorium    | 232-1 | 267     | 206     | 217     | 230     | 14.18  | cps   |
| Tin        | 118-1 | 417     | 167     | 100     | 228     | 73.34  | cps   |
| Titanium   | 47-1  | 50      | 33      | 42      | 42      | 20.00  | cps   |
| Uranium    | 238-1 | 83      | 33      | 17      | 44      | 78.07  | cps   |
| Vanadium   | 51-2  | 0       | 10      | 0       | 3       | 173.21 | cps   |
| Yttrium    | 89-1  | 1577617 | 1563380 | 1552227 | 1564408 | 0.81   | cps   |
| Yttrium    | 89-2  | 209529  | 206259  | 206643  | 207477  | 0.86   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3733-07            | Instrumnet Name : | P7        |
| Client Sample ID :      | EB-01-190709        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 14:57:59 | DataFile Name :   | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 57   | 63   | 67   | 62      | 8.18   | cps   |
| Zirconium | 90-1 | 133  | 108  | 158  | 133     | 18.75  | cps   |
| Zirconium | 91-1 | 33   | 67   | 42   | 47      | 36.74  | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV44               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV44               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:01:34 | DataFile Name :   | 029CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1126100  | 1129793  | 1134477  | 1130123  | 0.37   | cps   |
| Antimony   | 121-1 | 558263   | 548510   | 549338   | 552037   | 0.98   | cps   |
| Arsenic    | 75-2  | 21952    | 22323    | 22195    | 22156    | 0.85   | cps   |
| Barium     | 135-1 | 759298   | 742925   | 751884   | 751369   | 1.09   | cps   |
| Barium     | 137-1 | 1326074  | 1325216  | 1334269  | 1328519  | 0.38   | cps   |
| Beryllium  | 9-1   | 263713   | 262430   | 261306   | 262483   | 0.46   | cps   |
| Bismuth    | 209-1 | 809371   | 803935   | 810639   | 807982   | 0.44   | cps   |
| Bismuth    | 209-2 | 449425   | 457680   | 460641   | 455915   | 1.27   | cps   |
| Boron      | 10-1  | 47082    | 46957    | 46330    | 46790    | 0.86   | cps   |
| Boron      | 11-1  | 194585   | 194885   | 198505   | 195992   | 1.11   | cps   |
| Cadmium    | 111-1 | 159070   | 159392   | 159108   | 159190   | 0.11   | cps   |
| Cadmium    | 106-1 | 18671    | 19272    | 19406    | 19116    | 2.05   | cps   |
| Cadmium    | 108-1 | 12347    | 12560    | 12906    | 12604    | 2.24   | cps   |
| Calcium    | 43-1  | 1397266  | 1385116  | 1374540  | 1385641  | 0.82   | cps   |
| Calcium    | 44-1  | 23466945 | 23544721 | 23426330 | 23479332 | 0.26   | cps   |
| Chromium   | 52-2  | 252998   | 257585   | 256666   | 255750   | 0.95   | cps   |
| Cobalt     | 59-2  | 322448   | 324554   | 324134   | 323712   | 0.34   | cps   |
| Copper     | 63-2  | 404733   | 409781   | 412227   | 408914   | 0.93   | cps   |
| Dysprosium | 156-1 | 50       | 25       | 8        | 28       | 75.51  | cps   |
| Dysprosium | 156-2 | 20       | 27       | 43       | 30       | 40.05  | cps   |
| Erbium     | 164-1 | 17       | 0        | 17       | 11       | 86.60  | cps   |
| Erbium     | 164-2 | 0        | 7        | 3        | 3        | 100.05 | cps   |
| Gadolinium | 160-1 | 17       | 8        | 25       | 17       | 50.01  | cps   |
| Gadolinium | 160-2 | 40       | 30       | 33       | 34       | 14.78  | cps   |
| Holmium    | 165-1 | 1466284  | 1468023  | 1490538  | 1474948  | 0.92   | cps   |
| Holmium    | 165-2 | 743434   | 746030   | 748613   | 746026   | 0.35   | cps   |
| Indium     | 115-1 | 929015   | 921204   | 930750   | 926990   | 0.55   | cps   |
| Indium     | 115-2 | 177680   | 179359   | 180848   | 179296   | 0.88   | cps   |
| Iron       | 56-2  | 44520448 | 44184823 | 44388465 | 44364579 | 0.38   | cps   |
| Iron       | 57-2  | 1155720  | 1165849  | 1170296  | 1163955  | 0.64   | cps   |
| Krypton    | 83-1  | 53       | 53       | 33       | 47       | 24.75  | cps   |
| Lead       | 206-1 | 443956   | 434508   | 445044   | 441169   | 1.31   | cps   |
| Lead       | 207-1 | 403860   | 396263   | 402981   | 401035   | 1.04   | cps   |
| Lead       | 208-1 | 1831640  | 1809567  | 1843132  | 1828113  | 0.93   | cps   |
| Lithium    | 6-1   | 686005   | 682826   | 680937   | 683256   | 0.37   | cps   |
| Magnesium  | 24-2  | 12315393 | 12194384 | 12179920 | 12229899 | 0.61   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV44               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV44               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:01:34 | DataFile Name :   | 029CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 289748   | 290648   | 292407   | 290934   | 0.46   | cps   |
| Molybdenum | 94-1  | 1510212  | 1511723  | 1506947  | 1509627  | 0.16   | cps   |
| Molybdenum | 95-1  | 1886004  | 1878104  | 1887224  | 1883777  | 0.26   | cps   |
| Molybdenum | 96-1  | 2113140  | 2103067  | 2115454  | 2110554  | 0.31   | cps   |
| Molybdenum | 97-1  | 1108740  | 1097393  | 1108310  | 1104814  | 0.58   | cps   |
| Molybdenum | 98-1  | 3001173  | 2997581  | 3006655  | 3001803  | 0.15   | cps   |
| Neodymium  | 150-1 | 67       | 53       | 53       | 58       | 13.32  | cps   |
| Neodymium  | 150-2 | 13       | 3        | 13       | 10       | 57.75  | cps   |
| Nickel     | 60-2  | 75245    | 75985    | 76237    | 75822    | 0.68   | cps   |
| Phosphorus | 31-2  | 11029    | 11822    | 11780    | 11544    | 3.86   | cps   |
| Potassium  | 39-2  | 5288769  | 5268008  | 5280971  | 5279249  | 0.20   | cps   |
| Rhodium    | 103-1 | 870025   | 854453   | 860681   | 861720   | 0.91   | cps   |
| Rhodium    | 103-2 | 409668   | 417812   | 416776   | 414752   | 1.07   | cps   |
| Scandium   | 45-1  | 1073344  | 1071859  | 1064131  | 1069778  | 0.46   | cps   |
| Scandium   | 45-2  | 49202    | 50298    | 50656    | 50052    | 1.51   | cps   |
| Selenium   | 77-2  | 570      | 653      | 610      | 611      | 6.82   | cps   |
| Selenium   | 78-2  | 2189     | 2169     | 2178     | 2179     | 0.47   | cps   |
| Selenium   | 82-1  | 13805    | 13402    | 13466    | 13558    | 1.60   | cps   |
| Silicon    | 28-1  | 706505   | 710116   | 713550   | 710057   | 0.50   | cps   |
| Silver     | 109-1 | 688815   | 677271   | 678744   | 681610   | 0.92   | cps   |
| Silver     | 107-1 | 718660   | 709129   | 715288   | 714359   | 0.68   | cps   |
| Sodium     | 23-2  | 25826842 | 25649737 | 25774518 | 25750366 | 0.35   | cps   |
| Strontium  | 86-1  | 230792   | 226392   | 224496   | 227227   | 1.42   | cps   |
| Strontium  | 88-1  | 1990558  | 1974914  | 1989936  | 1985136  | 0.45   | cps   |
| Sulfur     | 34-1  | 196109   | 196437   | 192013   | 194853   | 1.26   | cps   |
| Terbium    | 159-1 | 1521789  | 1509573  | 1530674  | 1520678  | 0.70   | cps   |
| Terbium    | 159-2 | 732893   | 734836   | 748390   | 738706   | 1.14   | cps   |
| Thallium   | 203-1 | 532776   | 524363   | 534271   | 530470   | 1.01   | cps   |
| Thallium   | 205-1 | 1320638  | 1287689  | 1315961  | 1308096  | 1.36   | cps   |
| Thorium    | 232-1 | 2575514  | 2539325  | 2538320  | 2551053  | 0.83   | cps   |
| Tin        | 118-1 | 456177   | 449789   | 449500   | 451822   | 0.84   | cps   |
| Titanium   | 47-1  | 656633   | 657167   | 653920   | 655907   | 0.27   | cps   |
| Uranium    | 238-1 | 2554238  | 2538765  | 2545483  | 2546162  | 0.30   | cps   |
| Vanadium   | 51-2  | 222629   | 224203   | 223391   | 223408   | 0.35   | cps   |
| Yttrium    | 89-1  | 1370063  | 1366762  | 1367655  | 1368160  | 0.12   | cps   |
| Yttrium    | 89-2  | 186736   | 186530   | 188675   | 187314   | 0.63   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV44               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV44               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:01:34 | DataFile Name :   | 029CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 64006   | 63722   | 64016   | 63915   | 0.26   | cps   |
| Zirconium | 90-1 | 1232203 | 1212235 | 1225702 | 1223380 | 0.83   | cps   |
| Zirconium | 91-1 | 283595  | 276142  | 278180  | 279305  | 1.38   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB44 Instrumnet Name : P7  
 Client Sample ID : CCB44 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:06:36 DataFile Name : 030CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 25      | 17      | 33      | 25      | 33.32  | cps   |
| Antimony   | 121-1 | 267     | 367     | 458     | 364     | 26.35  | cps   |
| Arsenic    | 75-2  | 6       | 6       | 0       | 4       | 86.60  | cps   |
| Barium     | 135-1 | 42      | 25      | 0       | 22      | 94.38  | cps   |
| Barium     | 137-1 | 33      | 58      | 42      | 44      | 28.65  | cps   |
| Beryllium  | 9-1   | 47      | 57      | 63      | 56      | 15.09  | cps   |
| Bismuth    | 209-1 | 881830  | 867372  | 867722  | 872308  | 0.95   | cps   |
| Bismuth    | 209-2 | 492210  | 493676  | 491459  | 492448  | 0.23   | cps   |
| Boron      | 10-1  | 2100    | 2150    | 2034    | 2095    | 2.80   | cps   |
| Boron      | 11-1  | 9178    | 8494    | 8219    | 8631    | 5.72   | cps   |
| Cadmium    | 111-1 | 266     | 322     | 309     | 299     | 9.72   | cps   |
| Cadmium    | 106-1 | 367     | 442     | 400     | 403     | 9.33   | cps   |
| Cadmium    | 108-1 | 4       | 0       | 0       | 1       | 173.21 | cps   |
| Calcium    | 43-1  | 25      | 67      | 83      | 58      | 51.51  | cps   |
| Calcium    | 44-1  | 3301    | 3075    | 2817    | 3064    | 7.90   | cps   |
| Chromium   | 52-2  | 157     | 203     | 180     | 180     | 12.96  | cps   |
| Cobalt     | 59-2  | 7       | 13      | 3       | 8       | 65.47  | cps   |
| Copper     | 63-2  | 107     | 100     | 123     | 110     | 10.93  | cps   |
| Dysprosium | 156-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Erbium     | 164-2 | 0       | 7       | 3       | 3       | 100.05 | cps   |
| Gadolinium | 160-1 | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Gadolinium | 160-2 | 13      | 20      | 17      | 17      | 20.01  | cps   |
| Holmium    | 165-1 | 1446358 | 1455177 | 1468365 | 1456633 | 0.76   | cps   |
| Holmium    | 165-2 | 739581  | 736395  | 736175  | 737384  | 0.26   | cps   |
| Indium     | 115-1 | 981047  | 963784  | 967199  | 970677  | 0.94   | cps   |
| Indium     | 115-2 | 188944  | 190537  | 188811  | 189431  | 0.51   | cps   |
| Iron       | 56-2  | 1500    | 1578    | 1511    | 1530    | 2.75   | cps   |
| Iron       | 57-2  | 44      | 56      | 89      | 63      | 36.73  | cps   |
| Krypton    | 83-1  | 43      | 33      | 50      | 42      | 19.87  | cps   |
| Lead       | 206-1 | 194     | 272     | 111     | 193     | 41.84  | cps   |
| Lead       | 207-1 | 172     | 172     | 183     | 176     | 3.65   | cps   |
| Lead       | 208-1 | 778     | 906     | 739     | 807     | 10.80  | cps   |
| Lithium    | 6-1   | 694386  | 684523  | 692961  | 690623  | 0.77   | cps   |
| Magnesium  | 24-2  | 242     | 192     | 225     | 219     | 11.60  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB44               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB44               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:06:36 | DataFile Name :   | 030CCBE.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 23      | 20      | 10      | 18      | 39.03  | cps   |
| Molybdenum | 94-1  | 142     | 200     | 158     | 167     | 18.03  | cps   |
| Molybdenum | 95-1  | 225     | 200     | 192     | 206     | 8.44   | cps   |
| Molybdenum | 96-1  | 250     | 275     | 175     | 233     | 22.30  | cps   |
| Molybdenum | 97-1  | 225     | 100     | 150     | 158     | 39.74  | cps   |
| Molybdenum | 98-1  | 358     | 308     | 225     | 297     | 22.66  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 7       | 2       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 10      | 10      | 13      | 11      | 17.30  | cps   |
| Phosphorus | 31-2  | 58      | 58      | 42      | 53      | 18.23  | cps   |
| Potassium  | 39-2  | 4526    | 4868    | 4559    | 4651    | 4.05   | cps   |
| Rhodium    | 103-1 | 973652  | 950281  | 951399  | 958444  | 1.38   | cps   |
| Rhodium    | 103-2 | 456152  | 458816  | 456682  | 457217  | 0.31   | cps   |
| Scandium   | 45-1  | 1100656 | 1080795 | 1095506 | 1092319 | 0.94   | cps   |
| Scandium   | 45-2  | 50880   | 51008   | 49807   | 50565   | 1.30   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 15      | 7       | 20      | 14      | 45.80  | cps   |
| Selenium   | 82-1  | 43      | 44      | 34      | 40      | 14.10  | cps   |
| Silicon    | 28-1  | 45512   | 46097   | 45779   | 45796   | 0.64   | cps   |
| Silver     | 109-1 | 58      | 58      | 42      | 53      | 18.23  | cps   |
| Silver     | 107-1 | 100     | 75      | 58      | 78      | 26.96  | cps   |
| Sodium     | 23-2  | 6460    | 6352    | 6235    | 6349    | 1.77   | cps   |
| Strontium  | 86-1  | 75      | 83      | 67      | 75      | 11.11  | cps   |
| Strontium  | 88-1  | 125     | 75      | 83      | 94      | 28.37  | cps   |
| Sulfur     | 34-1  | 89912   | 91245   | 90868   | 90675   | 0.76   | cps   |
| Terbium    | 159-1 | 1504343 | 1498351 | 1515587 | 1506093 | 0.58   | cps   |
| Terbium    | 159-2 | 731702  | 729130  | 722598  | 727810  | 0.64   | cps   |
| Thallium   | 203-1 | 142     | 158     | 108     | 136     | 18.70  | cps   |
| Thallium   | 205-1 | 375     | 342     | 367     | 361     | 4.80   | cps   |
| Thorium    | 232-1 | 322     | 272     | 306     | 300     | 8.49   | cps   |
| Tin        | 118-1 | 125     | 158     | 158     | 147     | 13.07  | cps   |
| Titanium   | 47-1  | 67      | 25      | 17      | 36      | 74.18  | cps   |
| Uranium    | 238-1 | 100     | 108     | 75      | 94      | 18.37  | cps   |
| Vanadium   | 51-2  | 0       | 10      | 7       | 6       | 91.64  | cps   |
| Yttrium    | 89-1  | 1391807 | 1382033 | 1408263 | 1394034 | 0.95   | cps   |
| Yttrium    | 89-2  | 190424  | 191356  | 189266  | 190349  | 0.55   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB44               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB44               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:06:36 | DataFile Name :   | 030CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 40   | 43   | 37   | 40      | 8.32   | cps   |
| Zirconium | 90-1 | 192  | 142  | 225  | 186     | 22.54  | cps   |
| Zirconium | 91-1 | 42   | 33   | 33   | 36      | 13.33  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3856-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | OUTFALL001-190716   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:10:12 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 358     | 467     | 358     | 394     | 15.86  | cps   |
| Antimony   | 121-1 | 1492    | 1367    | 1133    | 1331    | 13.67  | cps   |
| Arsenic    | 75-2  | 209     | 228     | 194     | 210     | 7.93   | cps   |
| Barium     | 135-1 | 62977   | 61880   | 63203   | 62687   | 1.13   | cps   |
| Barium     | 137-1 | 107699  | 108051  | 107052  | 107601  | 0.47   | cps   |
| Beryllium  | 9-1   | 60      | 53      | 40      | 51      | 19.92  | cps   |
| Bismuth    | 209-1 | 902139  | 907058  | 921864  | 910354  | 1.13   | cps   |
| Bismuth    | 209-2 | 481854  | 481171  | 483535  | 482187  | 0.25   | cps   |
| Boron      | 10-1  | 33229   | 33413   | 33505   | 33382   | 0.42   | cps   |
| Boron      | 11-1  | 145554  | 148238  | 148625  | 147472  | 1.13   | cps   |
| Cadmium    | 111-1 | 468     | 332     | 378     | 393     | 17.62  | cps   |
| Cadmium    | 106-1 | 500     | 350     | 408     | 419     | 18.03  | cps   |
| Cadmium    | 108-1 | 4       | 13      | 0       | 6       | 114.53 | cps   |
| Calcium    | 43-1  | 510736  | 503237  | 511363  | 508445  | 0.89   | cps   |
| Calcium    | 44-1  | 8465686 | 8496053 | 8601883 | 8521207 | 0.84   | cps   |
| Chromium   | 52-2  | 1260    | 1363    | 1177    | 1267    | 7.38   | cps   |
| Cobalt     | 59-2  | 87      | 137     | 110     | 111     | 22.52  | cps   |
| Copper     | 63-2  | 1310    | 1263    | 1213    | 1262    | 3.83   | cps   |
| Dysprosium | 156-1 | 0       | 8       | 0       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 0       | 17      | 0       | 6       | 173.21 | cps   |
| Erbium     | 164-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Gadolinium | 160-2 | 23      | 37      | 23      | 28      | 27.73  | cps   |
| Holmium    | 165-1 | 1505309 | 1543945 | 1578692 | 1542649 | 2.38   | cps   |
| Holmium    | 165-2 | 749441  | 743542  | 754027  | 749003  | 0.70   | cps   |
| Indium     | 115-1 | 1012454 | 1007666 | 1012526 | 1010882 | 0.28   | cps   |
| Indium     | 115-2 | 185822  | 186691  | 187778  | 186764  | 0.52   | cps   |
| Iron       | 56-2  | 2789    | 3056    | 3167    | 3004    | 6.46   | cps   |
| Iron       | 57-2  | 3073    | 3089    | 3162    | 3108    | 1.52   | cps   |
| Krypton    | 83-1  | 83      | 47      | 53      | 61      | 31.96  | cps   |
| Lead       | 206-1 | 867     | 1033    | 1017    | 972     | 9.44   | cps   |
| Lead       | 207-1 | 789     | 711     | 789     | 763     | 5.89   | cps   |
| Lead       | 208-1 | 3878    | 3589    | 3595    | 3687    | 4.48   | cps   |
| Lithium    | 6-1   | 787431  | 794714  | 798896  | 793680  | 0.73   | cps   |
| Magnesium  | 24-2  | 732289  | 730461  | 735097  | 732616  | 0.32   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3856-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | OUTFALL001-190716   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:10:12 | DataFile Name :   | 031SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 1043     | 1033     | 1040     | 1039     | 0.49   | cps   |
| Molybdenum | 94-1  | 733      | 692      | 642      | 689      | 6.66   | cps   |
| Molybdenum | 95-1  | 1200     | 1025     | 1117     | 1114     | 7.86   | cps   |
| Molybdenum | 96-1  | 1092     | 1192     | 1208     | 1164     | 5.42   | cps   |
| Molybdenum | 97-1  | 625      | 725      | 683      | 678      | 7.41   | cps   |
| Molybdenum | 98-1  | 1859     | 1742     | 1617     | 1739     | 6.95   | cps   |
| Neodymium  | 150-1 | 7        | 7        | 7        | 7        | 0.00   | cps   |
| Neodymium  | 150-2 | 0        | 0        | 0        | 0        | 0.00   | cps   |
| Nickel     | 60-2  | 400      | 430      | 400      | 410      | 4.22   | cps   |
| Phosphorus | 31-2  | 42       | 17       | 67       | 42       | 60.00  | cps   |
| Potassium  | 39-2  | 136648   | 138946   | 137752   | 137782   | 0.83   | cps   |
| Rhodium    | 103-1 | 982377   | 969551   | 970766   | 974231   | 0.73   | cps   |
| Rhodium    | 103-2 | 460682   | 459588   | 465365   | 461879   | 0.66   | cps   |
| Scandium   | 45-1  | 1126496  | 1121165  | 1120006  | 1122555  | 0.31   | cps   |
| Scandium   | 45-2  | 54142    | 52543    | 52600    | 53095    | 1.71   | cps   |
| Selenium   | 77-2  | 0        | 0        | 3        | 1        | 173.21 | cps   |
| Selenium   | 78-2  | 13       | 20       | 15       | 16       | 24.03  | cps   |
| Selenium   | 82-1  | 56       | 87       | 85       | 76       | 22.56  | cps   |
| Silicon    | 28-1  | 13093528 | 13070857 | 13083663 | 13082683 | 0.09   | cps   |
| Silver     | 109-1 | 625      | 558      | 508      | 564      | 10.38  | cps   |
| Silver     | 107-1 | 633      | 708      | 517      | 619      | 15.59  | cps   |
| Sodium     | 23-2  | 5615942  | 5623380  | 5695426  | 5644916  | 0.78   | cps   |
| Strontium  | 86-1  | 249793   | 249396   | 250491   | 249893   | 0.22   | cps   |
| Strontium  | 88-1  | 2194402  | 2197990  | 2231109  | 2207834  | 0.92   | cps   |
| Sulfur     | 34-1  | 222266   | 216761   | 212959   | 217329   | 2.15   | cps   |
| Terbium    | 159-1 | 1561017  | 1593945  | 1603955  | 1586306  | 1.42   | cps   |
| Terbium    | 159-2 | 736108   | 735691   | 744873   | 738891   | 0.70   | cps   |
| Thallium   | 203-1 | 575      | 417      | 308      | 433      | 30.95  | cps   |
| Thallium   | 205-1 | 1100     | 925      | 767      | 931      | 17.92  | cps   |
| Thorium    | 232-1 | 244      | 211      | 289      | 248      | 15.72  | cps   |
| Tin        | 118-1 | 1684     | 1650     | 1825     | 1720     | 5.40   | cps   |
| Titanium   | 47-1  | 300      | 283      | 267      | 283      | 5.88   | cps   |
| Uranium    | 238-1 | 2225     | 2300     | 2317     | 2281     | 2.14   | cps   |
| Vanadium   | 51-2  | 417      | 417      | 363      | 399      | 7.72   | cps   |
| Yttrium    | 89-1  | 1444483  | 1461251  | 1479946  | 1461893  | 1.21   | cps   |
| Yttrium    | 89-2  | 191904   | 192170   | 191906   | 191993   | 0.08   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3856-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | OUTFALL001-190716   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:10:12 | DataFile Name :   | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 1030 | 1107 | 1160 | 1099    | 5.95   | cps   |
| Zirconium | 90-1 | 300  | 267  | 258  | 275     | 8.02   | cps   |
| Zirconium | 91-1 | 83   | 58   | 58   | 67      | 21.65  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3884-13            | Instrumnet Name : | P7        |
| Client Sample ID :      | FL-0629             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:13:48 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 233     | 267     | 292     | 264     | 11.09  | cps   |
| Antimony   | 121-1 | 983     | 1183    | 1067    | 1078    | 9.32   | cps   |
| Arsenic    | 75-2  | 1154    | 1130    | 1191    | 1158    | 2.66   | cps   |
| Barium     | 135-1 | 5993    | 5993    | 6427    | 6138    | 4.08   | cps   |
| Barium     | 137-1 | 10780   | 10630   | 11480   | 10963   | 4.14   | cps   |
| Beryllium  | 9-1   | 37      | 37      | 60      | 44      | 30.31  | cps   |
| Bismuth    | 209-1 | 938423  | 926116  | 929055  | 931198  | 0.69   | cps   |
| Bismuth    | 209-2 | 486586  | 478225  | 483762  | 482858  | 0.88   | cps   |
| Boron      | 10-1  | 3876    | 3717    | 3701    | 3765    | 2.57   | cps   |
| Boron      | 11-1  | 18028   | 16510   | 16485   | 17007   | 5.20   | cps   |
| Cadmium    | 111-1 | 426     | 340     | 398     | 388     | 11.34  | cps   |
| Cadmium    | 106-1 | 450     | 325     | 383     | 386     | 16.20  | cps   |
| Cadmium    | 108-1 | 8       | 13      | 0       | 7       | 91.66  | cps   |
| Calcium    | 43-1  | 323895  | 319632  | 320379  | 321302  | 0.71   | cps   |
| Calcium    | 44-1  | 5325862 | 5360989 | 5397850 | 5361567 | 0.67   | cps   |
| Chromium   | 52-2  | 887     | 837     | 797     | 840     | 5.37   | cps   |
| Cobalt     | 59-2  | 140     | 103     | 63      | 102     | 37.51  | cps   |
| Copper     | 63-2  | 1170    | 1247    | 1097    | 1171    | 6.40   | cps   |
| Dysprosium | 156-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 13      | 7       | 0       | 7       | 99.98  | cps   |
| Erbium     | 164-1 | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Erbium     | 164-2 | 7       | 3       | 0       | 3       | 100.05 | cps   |
| Gadolinium | 160-1 | 42      | 33      | 0       | 25      | 88.19  | cps   |
| Gadolinium | 160-2 | 30      | 23      | 17      | 23      | 28.56  | cps   |
| Holmium    | 165-1 | 1581754 | 1583913 | 1597397 | 1587688 | 0.53   | cps   |
| Holmium    | 165-2 | 745369  | 745599  | 749439  | 746802  | 0.31   | cps   |
| Indium     | 115-1 | 1030350 | 1024487 | 1022895 | 1025911 | 0.38   | cps   |
| Indium     | 115-2 | 185512  | 185053  | 186044  | 185536  | 0.27   | cps   |
| Iron       | 56-2  | 1724748 | 1724138 | 1723052 | 1723979 | 0.05   | cps   |
| Iron       | 57-2  | 44345   | 44451   | 44607   | 44468   | 0.30   | cps   |
| Krypton    | 83-1  | 47      | 37      | 60      | 48      | 24.50  | cps   |
| Lead       | 206-1 | 739     | 689     | 544     | 657     | 15.36  | cps   |
| Lead       | 207-1 | 678     | 539     | 628     | 615     | 11.44  | cps   |
| Lead       | 208-1 | 3072    | 2811    | 2600    | 2828    | 8.37   | cps   |
| Lithium    | 6-1   | 780160  | 774407  | 773278  | 775949  | 0.48   | cps   |
| Magnesium  | 24-2  | 519228  | 511977  | 517071  | 516092  | 0.72   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3884-13            | Instrumnet Name : | P7        |
| Client Sample ID :      | FL-0629             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:13:48 | DataFile Name :   | 032SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 122605  | 122131  | 122095  | 122277  | 0.23   | cps   |
| Molybdenum | 94-1  | 300     | 433     | 392     | 375     | 18.19  | cps   |
| Molybdenum | 95-1  | 642     | 533     | 517     | 564     | 12.04  | cps   |
| Molybdenum | 96-1  | 592     | 625     | 492     | 569     | 12.19  | cps   |
| Molybdenum | 97-1  | 350     | 400     | 342     | 364     | 8.67   | cps   |
| Molybdenum | 98-1  | 825     | 842     | 842     | 836     | 1.15   | cps   |
| Neodymium  | 150-1 | 40      | 7       | 7       | 18      | 108.23 | cps   |
| Neodymium  | 150-2 | 3       | 3       | 7       | 4       | 43.40  | cps   |
| Nickel     | 60-2  | 73      | 80      | 83      | 79      | 6.45   | cps   |
| Phosphorus | 31-2  | 125     | 167     | 67      | 119     | 42.05  | cps   |
| Potassium  | 39-2  | 299867  | 294223  | 299287  | 297792  | 1.04   | cps   |
| Rhodium    | 103-1 | 1003166 | 996639  | 993770  | 997859  | 0.48   | cps   |
| Rhodium    | 103-2 | 461451  | 462406  | 462307  | 462055  | 0.11   | cps   |
| Scandium   | 45-1  | 1135559 | 1125718 | 1121083 | 1127454 | 0.66   | cps   |
| Scandium   | 45-2  | 53222   | 52613   | 52897   | 52911   | 0.58   | cps   |
| Selenium   | 77-2  | 0       | 3       | 7       | 3       | 100.05 | cps   |
| Selenium   | 78-2  | 9       | 24      | 17      | 17      | 44.43  | cps   |
| Selenium   | 82-1  | 50      | 61      | 35      | 49      | 26.66  | cps   |
| Silicon    | 28-1  | 6672710 | 6737028 | 6770504 | 6726747 | 0.74   | cps   |
| Silver     | 109-1 | 358     | 308     | 275     | 314     | 13.36  | cps   |
| Silver     | 107-1 | 408     | 450     | 233     | 364     | 31.59  | cps   |
| Sodium     | 23-2  | 4113155 | 4073479 | 4105081 | 4097239 | 0.51   | cps   |
| Strontium  | 86-1  | 107578  | 106299  | 103933  | 105937  | 1.75   | cps   |
| Strontium  | 88-1  | 901115  | 889191  | 881928  | 890745  | 1.09   | cps   |
| Sulfur     | 34-1  | 100706  | 100849  | 100278  | 100611  | 0.30   | cps   |
| Terbium    | 159-1 | 1638971 | 1646333 | 1665528 | 1650277 | 0.83   | cps   |
| Terbium    | 159-2 | 735071  | 741777  | 740177  | 739008  | 0.47   | cps   |
| Thallium   | 203-1 | 33      | 58      | 33      | 42      | 34.65  | cps   |
| Thallium   | 205-1 | 200     | 217     | 158     | 192     | 15.68  | cps   |
| Thorium    | 232-1 | 128     | 150     | 183     | 154     | 18.19  | cps   |
| Tin        | 118-1 | 1392    | 1567    | 1492    | 1483    | 5.92   | cps   |
| Titanium   | 47-1  | 333     | 342     | 367     | 347     | 5.00   | cps   |
| Uranium    | 238-1 | 633     | 567     | 708     | 636     | 11.14  | cps   |
| Vanadium   | 51-2  | 233     | 223     | 247     | 234     | 4.99   | cps   |
| Yttrium    | 89-1  | 1485756 | 1487774 | 1495831 | 1489787 | 0.36   | cps   |
| Yttrium    | 89-2  | 190509  | 191240  | 188695  | 190148  | 0.69   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3884-13            | Instrumnet Name : | P7        |
| Client Sample ID :      | FL-0629             | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:13:48 | DataFile Name :   | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 1837 | 1800 | 1817 | 1818    | 1.01   | cps   |
| Zirconium | 90-1 | 158  | 250  | 158  | 189     | 28.02  | cps   |
| Zirconium | 91-1 | 17   | 42   | 42   | 33      | 43.30  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:17:24 | DataFile Name :   | 033SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 2759    | 2567    | 2584    | 2636    | 4.03   | cps   |
| Antimony   | 121-1 | 908     | 1117    | 917     | 981     | 12.03  | cps   |
| Arsenic    | 75-2  | 78      | 67      | 70      | 72      | 7.90   | cps   |
| Barium     | 135-1 | 15985   | 15459   | 14341   | 15262   | 5.50   | cps   |
| Barium     | 137-1 | 26693   | 25599   | 27353   | 26548   | 3.34   | cps   |
| Beryllium  | 9-1   | 57      | 50      | 53      | 53      | 6.25   | cps   |
| Bismuth    | 209-1 | 958762  | 936903  | 968375  | 954680  | 1.69   | cps   |
| Bismuth    | 209-2 | 491265  | 491730  | 497781  | 493592  | 0.74   | cps   |
| Boron      | 10-1  | 2525    | 2825    | 2467    | 2606    | 7.38   | cps   |
| Boron      | 11-1  | 11997   | 11888   | 11655   | 11847   | 1.48   | cps   |
| Cadmium    | 111-1 | 256     | 253     | 333     | 281     | 16.18  | cps   |
| Cadmium    | 106-1 | 317     | 325     | 450     | 364     | 20.53  | cps   |
| Cadmium    | 108-1 | 4       | 0       | 4       | 3       | 86.60  | cps   |
| Calcium    | 43-1  | 561322  | 550616  | 550130  | 554023  | 1.14   | cps   |
| Calcium    | 44-1  | 9358379 | 9339433 | 9316577 | 9338129 | 0.22   | cps   |
| Chromium   | 52-2  | 817     | 863     | 933     | 871     | 6.74   | cps   |
| Cobalt     | 59-2  | 623     | 547     | 697     | 622     | 12.05  | cps   |
| Copper     | 63-2  | 1363    | 1413    | 1390    | 1389    | 1.80   | cps   |
| Dysprosium | 156-1 | 58      | 33      | 25      | 39      | 44.62  | cps   |
| Dysprosium | 156-2 | 20      | 37      | 13      | 23      | 51.52  | cps   |
| Erbium     | 164-1 | 17      | 17      | 50      | 28      | 69.27  | cps   |
| Erbium     | 164-2 | 23      | 27      | 13      | 21      | 32.88  | cps   |
| Gadolinium | 160-1 | 33      | 25      | 33      | 31      | 15.74  | cps   |
| Gadolinium | 160-2 | 27      | 53      | 43      | 41      | 32.76  | cps   |
| Holmium    | 165-1 | 1594927 | 1600275 | 1609036 | 1601413 | 0.44   | cps   |
| Holmium    | 165-2 | 753147  | 762524  | 759043  | 758238  | 0.63   | cps   |
| Indium     | 115-1 | 1060240 | 1022137 | 1025484 | 1035954 | 2.04   | cps   |
| Indium     | 115-2 | 186450  | 187708  | 188869  | 187676  | 0.64   | cps   |
| Iron       | 56-2  | 480856  | 482142  | 483855  | 482284  | 0.31   | cps   |
| Iron       | 57-2  | 16037   | 15186   | 14919   | 15381   | 3.80   | cps   |
| Krypton    | 83-1  | 60      | 50      | 53      | 54      | 9.35   | cps   |
| Lead       | 206-1 | 772     | 711     | 672     | 719     | 7.02   | cps   |
| Lead       | 207-1 | 589     | 622     | 628     | 613     | 3.43   | cps   |
| Lead       | 208-1 | 2772    | 2750    | 2706    | 2743    | 1.24   | cps   |
| Lithium    | 6-1   | 754615  | 743271  | 743116  | 747001  | 0.88   | cps   |
| Magnesium  | 24-2  | 611423  | 612072  | 607394  | 610296  | 0.42   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:17:24 | DataFile Name :   | 033SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 784630  | 790779  | 792658  | 789356  | 0.53   | cps   |
| Molybdenum | 94-1  | 208     | 317     | 250     | 258     | 21.16  | cps   |
| Molybdenum | 95-1  | 225     | 258     | 167     | 217     | 21.41  | cps   |
| Molybdenum | 96-1  | 283     | 242     | 317     | 281     | 13.39  | cps   |
| Molybdenum | 97-1  | 142     | 75      | 150     | 122     | 33.64  | cps   |
| Molybdenum | 98-1  | 292     | 417     | 317     | 342     | 19.36  | cps   |
| Neodymium  | 150-1 | 67      | 93      | 27      | 62      | 53.93  | cps   |
| Neodymium  | 150-2 | 27      | 23      | 7       | 19      | 56.72  | cps   |
| Nickel     | 60-2  | 310     | 237     | 247     | 264     | 15.04  | cps   |
| Phosphorus | 31-2  | 158     | 192     | 200     | 183     | 12.03  | cps   |
| Potassium  | 39-2  | 35193   | 35769   | 35752   | 35571   | 0.92   | cps   |
| Rhodium    | 103-1 | 1000192 | 995810  | 989293  | 995099  | 0.55   | cps   |
| Rhodium    | 103-2 | 462938  | 468420  | 466608  | 465989  | 0.60   | cps   |
| Scandium   | 45-1  | 1124320 | 1113248 | 1104291 | 1113953 | 0.90   | cps   |
| Scandium   | 45-2  | 52325   | 53025   | 52938   | 52763   | 0.72   | cps   |
| Selenium   | 77-2  | 3       | 3       | 0       | 2       | 86.60  | cps   |
| Selenium   | 78-2  | 7       | 13      | 7       | 9       | 34.60  | cps   |
| Selenium   | 82-1  | 39      | 67      | 36      | 47      | 37.00  | cps   |
| Silicon    | 28-1  | 6272294 | 6229319 | 6208183 | 6236599 | 0.52   | cps   |
| Silver     | 109-1 | 175     | 300     | 192     | 222     | 30.54  | cps   |
| Silver     | 107-1 | 183     | 192     | 217     | 197     | 8.80   | cps   |
| Sodium     | 23-2  | 315566  | 323453  | 318077  | 319032  | 1.26   | cps   |
| Strontium  | 86-1  | 263897  | 257443  | 258435  | 259925  | 1.34   | cps   |
| Strontium  | 88-1  | 2292284 | 2302046 | 2299497 | 2297942 | 0.22   | cps   |
| Sulfur     | 34-1  | 111632  | 110524  | 109138  | 110432  | 1.13   | cps   |
| Terbium    | 159-1 | 1646026 | 1648674 | 1677793 | 1657498 | 1.06   | cps   |
| Terbium    | 159-2 | 744107  | 751199  | 748467  | 747924  | 0.48   | cps   |
| Thallium   | 203-1 | 25      | 50      | 50      | 42      | 34.64  | cps   |
| Thallium   | 205-1 | 100     | 100     | 67      | 89      | 21.65  | cps   |
| Thorium    | 232-1 | 161     | 172     | 156     | 163     | 5.21   | cps   |
| Tin        | 118-1 | 1333    | 1350    | 1517    | 1400    | 7.24   | cps   |
| Titanium   | 47-1  | 742     | 883     | 1033    | 886     | 16.46  | cps   |
| Uranium    | 238-1 | 1909    | 1909    | 2084    | 1967    | 5.14   | cps   |
| Vanadium   | 51-2  | 277     | 263     | 280     | 273     | 3.23   | cps   |
| Yttrium    | 89-1  | 1495555 | 1491019 | 1490021 | 1492198 | 0.20   | cps   |
| Yttrium    | 89-2  | 192502  | 195346  | 193480  | 193776  | 0.75   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:17:24 | DataFile Name :   | 033SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 1303 | 1273 | 1380 | 1319    | 4.17   | cps   |
| Zirconium | 90-1 | 483  | 517  | 492  | 497     | 3.49   | cps   |
| Zirconium | 91-1 | 75   | 92   | 92   | 86      | 11.18  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:21:01 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 3759    | 3834    | 3701    | 3765    | 1.78   | cps   |
| Antimony   | 121-1 | 2417    | 2392    | 2350    | 2386    | 1.41   | cps   |
| Arsenic    | 75-2  | 81      | 87      | 63      | 77      | 16.34  | cps   |
| Barium     | 135-1 | 15993   | 15593   | 16110   | 15899   | 1.71   | cps   |
| Barium     | 137-1 | 28021   | 26868   | 27745   | 27545   | 2.18   | cps   |
| Beryllium  | 9-1   | 60      | 53      | 30      | 48      | 32.97  | cps   |
| Bismuth    | 209-1 | 951779  | 936459  | 966090  | 951443  | 1.56   | cps   |
| Bismuth    | 209-2 | 491622  | 497285  | 495962  | 494956  | 0.60   | cps   |
| Boron      | 10-1  | 3134    | 3242    | 3467    | 3281    | 5.18   | cps   |
| Boron      | 11-1  | 14366   | 13615   | 14057   | 14013   | 2.69   | cps   |
| Cadmium    | 111-1 | 281     | 426     | 283     | 330     | 25.21  | cps   |
| Cadmium    | 106-1 | 350     | 542     | 383     | 425     | 24.10  | cps   |
| Cadmium    | 108-1 | 8       | 4       | 8       | 7       | 34.59  | cps   |
| Calcium    | 43-1  | 546365  | 553508  | 545686  | 548520  | 0.79   | cps   |
| Calcium    | 44-1  | 9261679 | 9315920 | 9286942 | 9288181 | 0.29   | cps   |
| Chromium   | 52-2  | 1030    | 973     | 980     | 994     | 3.11   | cps   |
| Cobalt     | 59-2  | 773     | 740     | 753     | 756     | 2.22   | cps   |
| Copper     | 63-2  | 2104    | 2154    | 2120    | 2126    | 1.20   | cps   |
| Dysprosium | 156-1 | 8       | 42      | 75      | 42      | 80.00  | cps   |
| Dysprosium | 156-2 | 33      | 47      | 30      | 37      | 24.06  | cps   |
| Erbium     | 164-1 | 67      | 67      | 83      | 72      | 13.33  | cps   |
| Erbium     | 164-2 | 40      | 30      | 23      | 31      | 26.97  | cps   |
| Gadolinium | 160-1 | 67      | 75      | 75      | 72      | 6.66   | cps   |
| Gadolinium | 160-2 | 50      | 50      | 43      | 48      | 8.06   | cps   |
| Holmium    | 165-1 | 1592727 | 1603289 | 1618785 | 1604934 | 0.82   | cps   |
| Holmium    | 165-2 | 749061  | 762503  | 750934  | 754166  | 0.97   | cps   |
| Indium     | 115-1 | 1039350 | 1026282 | 1015766 | 1027133 | 1.15   | cps   |
| Indium     | 115-2 | 186932  | 188463  | 189442  | 188279  | 0.67   | cps   |
| Iron       | 56-2  | 501866  | 495138  | 495803  | 497602  | 0.75   | cps   |
| Iron       | 57-2  | 16243   | 15331   | 15019   | 15531   | 4.09   | cps   |
| Krypton    | 83-1  | 63      | 57      | 63      | 61      | 6.29   | cps   |
| Lead       | 206-1 | 972     | 833     | 878     | 895     | 7.93   | cps   |
| Lead       | 207-1 | 761     | 689     | 733     | 728     | 5.01   | cps   |
| Lead       | 208-1 | 3789    | 3389    | 3445    | 3541    | 6.12   | cps   |
| Lithium    | 6-1   | 723347  | 724273  | 721847  | 723156  | 0.17   | cps   |
| Magnesium  | 24-2  | 596230  | 593655  | 594416  | 594767  | 0.22   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:21:01 | DataFile Name :   | 034SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 839557  | 835517  | 839613  | 838229  | 0.28   | cps   |
| Molybdenum | 94-1  | 375     | 342     | 350     | 356     | 4.88   | cps   |
| Molybdenum | 95-1  | 325     | 217     | 275     | 272     | 19.92  | cps   |
| Molybdenum | 96-1  | 283     | 367     | 342     | 331     | 12.94  | cps   |
| Molybdenum | 97-1  | 192     | 158     | 100     | 150     | 30.93  | cps   |
| Molybdenum | 98-1  | 350     | 292     | 367     | 336     | 11.72  | cps   |
| Neodymium  | 150-1 | 40      | 60      | 60      | 53      | 21.65  | cps   |
| Neodymium  | 150-2 | 30      | 33      | 23      | 29      | 17.63  | cps   |
| Nickel     | 60-2  | 320     | 323     | 387     | 343     | 10.94  | cps   |
| Phosphorus | 31-2  | 217     | 233     | 258     | 236     | 8.88   | cps   |
| Potassium  | 39-2  | 55070   | 54835   | 54066   | 54657   | 0.96   | cps   |
| Rhodium    | 103-1 | 998484  | 999940  | 984373  | 994265  | 0.86   | cps   |
| Rhodium    | 103-2 | 467717  | 468635  | 467441  | 467931  | 0.13   | cps   |
| Scandium   | 45-1  | 1110777 | 1099069 | 1099048 | 1102965 | 0.61   | cps   |
| Scandium   | 45-2  | 52071   | 52680   | 52914   | 52555   | 0.83   | cps   |
| Selenium   | 77-2  | 0       | 7       | 7       | 4       | 86.60  | cps   |
| Selenium   | 78-2  | 7       | 13      | 17      | 12      | 37.75  | cps   |
| Selenium   | 82-1  | 42      | 21      | 12      | 25      | 60.94  | cps   |
| Silicon    | 28-1  | 6191035 | 6178306 | 6183545 | 6184295 | 0.10   | cps   |
| Silver     | 109-1 | 283     | 225     | 217     | 242     | 15.03  | cps   |
| Silver     | 107-1 | 200     | 208     | 183     | 197     | 6.45   | cps   |
| Sodium     | 23-2  | 325300  | 320645  | 321691  | 322545  | 0.76   | cps   |
| Strontium  | 86-1  | 259879  | 258371  | 254625  | 257625  | 1.05   | cps   |
| Strontium  | 88-1  | 2282326 | 2297910 | 2300378 | 2293538 | 0.43   | cps   |
| Sulfur     | 34-1  | 110734  | 111136  | 109055  | 110308  | 1.00   | cps   |
| Terbium    | 159-1 | 1651345 | 1652740 | 1656561 | 1653549 | 0.16   | cps   |
| Terbium    | 159-2 | 744278  | 747660  | 744966  | 745635  | 0.24   | cps   |
| Thallium   | 203-1 | 42      | 25      | 83      | 50      | 60.09  | cps   |
| Thallium   | 205-1 | 175     | 133     | 150     | 153     | 13.73  | cps   |
| Thorium    | 232-1 | 183     | 211     | 150     | 181     | 16.86  | cps   |
| Tin        | 118-1 | 1525    | 1475    | 1375    | 1458    | 5.24   | cps   |
| Titanium   | 47-1  | 1208    | 1150    | 1167    | 1175    | 2.56   | cps   |
| Uranium    | 238-1 | 1575    | 1984    | 2117    | 1892    | 14.92  | cps   |
| Vanadium   | 51-2  | 277     | 317     | 313     | 302     | 7.34   | cps   |
| Yttrium    | 89-1  | 1480984 | 1495684 | 1496416 | 1491028 | 0.58   | cps   |
| Yttrium    | 89-2  | 191125  | 191772  | 194627  | 192508  | 0.97   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:21:01 | DataFile Name :   | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 2004 | 2087 | 2084 | 2058    | 2.29   | cps   |
| Zirconium | 90-1 | 575  | 517  | 433  | 508     | 14.01  | cps   |
| Zirconium | 91-1 | 117  | 175  | 133  | 142     | 21.21  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:24:38 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 2725    | 2775    | 2859    | 2786    | 2.42   | cps   |
| Antimony   | 121-1 | 1017    | 992     | 992     | 1000    | 1.44   | cps   |
| Arsenic    | 75-2  | 48      | 52      | 46      | 49      | 5.79   | cps   |
| Barium     | 135-1 | 9304    | 8720    | 8878    | 8967    | 3.37   | cps   |
| Barium     | 137-1 | 16210   | 16185   | 15484   | 15960   | 2.58   | cps   |
| Beryllium  | 9-1   | 53      | 40      | 33      | 42      | 24.12  | cps   |
| Bismuth    | 209-1 | 975625  | 973536  | 994413  | 981191  | 1.17   | cps   |
| Bismuth    | 209-2 | 496709  | 493683  | 489902  | 493431  | 0.69   | cps   |
| Boron      | 10-1  | 1675    | 1692    | 1992    | 1786    | 9.98   | cps   |
| Boron      | 11-1  | 7752    | 7085    | 7952    | 7597    | 5.98   | cps   |
| Cadmium    | 111-1 | 340     | 377     | 298     | 338     | 11.58  | cps   |
| Cadmium    | 106-1 | 450     | 508     | 408     | 456     | 11.03  | cps   |
| Cadmium    | 108-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Calcium    | 43-1  | 373294  | 373942  | 370328  | 372521  | 0.52   | cps   |
| Calcium    | 44-1  | 6282734 | 6296198 | 6321202 | 6300044 | 0.31   | cps   |
| Chromium   | 52-2  | 850     | 913     | 873     | 879     | 3.64   | cps   |
| Cobalt     | 59-2  | 257     | 300     | 303     | 287     | 9.08   | cps   |
| Copper     | 63-2  | 1000    | 1107    | 1270    | 1126    | 12.08  | cps   |
| Dysprosium | 156-1 | 50      | 75      | 25      | 50      | 50.00  | cps   |
| Dysprosium | 156-2 | 27      | 43      | 20      | 30      | 40.05  | cps   |
| Erbium     | 164-1 | 50      | 42      | 33      | 42      | 20.00  | cps   |
| Erbium     | 164-2 | 23      | 53      | 30      | 36      | 44.31  | cps   |
| Gadolinium | 160-1 | 83      | 25      | 58      | 56      | 52.68  | cps   |
| Gadolinium | 160-2 | 70      | 40      | 33      | 48      | 40.88  | cps   |
| Holmium    | 165-1 | 1604204 | 1617297 | 1648749 | 1623417 | 1.41   | cps   |
| Holmium    | 165-2 | 756075  | 752423  | 749025  | 752508  | 0.47   | cps   |
| Indium     | 115-1 | 1039288 | 1026125 | 1074384 | 1046599 | 2.38   | cps   |
| Indium     | 115-2 | 188682  | 187339  | 186172  | 187398  | 0.67   | cps   |
| Iron       | 56-2  | 279071  | 281059  | 277543  | 279225  | 0.63   | cps   |
| Iron       | 57-2  | 8981    | 9059    | 9064    | 9034    | 0.52   | cps   |
| Krypton    | 83-1  | 67      | 53      | 57      | 59      | 11.79  | cps   |
| Lead       | 206-1 | 739     | 667     | 639     | 682     | 7.57   | cps   |
| Lead       | 207-1 | 628     | 583     | 567     | 593     | 5.33   | cps   |
| Lead       | 208-1 | 2772    | 2717    | 2734    | 2741    | 1.04   | cps   |
| Lithium    | 6-1   | 717239  | 711949  | 716236  | 715141  | 0.39   | cps   |
| Magnesium  | 24-2  | 292217  | 294924  | 289715  | 292285  | 0.89   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:24:38 | DataFile Name :   | 035SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 147638  | 150117  | 147813  | 148523  | 0.93   | cps   |
| Molybdenum | 94-1  | 275     | 358     | 275     | 303     | 15.89  | cps   |
| Molybdenum | 95-1  | 242     | 217     | 217     | 225     | 6.41   | cps   |
| Molybdenum | 96-1  | 208     | 367     | 258     | 278     | 29.14  | cps   |
| Molybdenum | 97-1  | 108     | 142     | 225     | 158     | 37.95  | cps   |
| Molybdenum | 98-1  | 358     | 333     | 333     | 342     | 4.22   | cps   |
| Neodymium  | 150-1 | 127     | 93      | 33      | 84      | 56.01  | cps   |
| Neodymium  | 150-2 | 13      | 37      | 37      | 29      | 46.64  | cps   |
| Nickel     | 60-2  | 180     | 207     | 187     | 191     | 7.26   | cps   |
| Phosphorus | 31-2  | 133     | 75      | 158     | 122     | 34.99  | cps   |
| Potassium  | 39-2  | 182221  | 183310  | 181109  | 182213  | 0.60   | cps   |
| Rhodium    | 103-1 | 1017525 | 1008476 | 1001207 | 1009069 | 0.81   | cps   |
| Rhodium    | 103-2 | 470886  | 474105  | 466784  | 470592  | 0.78   | cps   |
| Scandium   | 45-1  | 1116354 | 1111701 | 1110872 | 1112976 | 0.27   | cps   |
| Scandium   | 45-2  | 52396   | 51911   | 51914   | 52074   | 0.54   | cps   |
| Selenium   | 77-2  | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 15      | 9       | 15      | 13      | 24.72  | cps   |
| Selenium   | 82-1  | 12      | 49      | 38      | 33      | 56.84  | cps   |
| Silicon    | 28-1  | 1516023 | 1511117 | 1503264 | 1510135 | 0.43   | cps   |
| Silver     | 109-1 | 92      | 108     | 100     | 100     | 8.33   | cps   |
| Silver     | 107-1 | 150     | 158     | 158     | 156     | 3.09   | cps   |
| Sodium     | 23-2  | 520259  | 525463  | 518171  | 521298  | 0.72   | cps   |
| Strontium  | 86-1  | 148981  | 145960  | 145100  | 146680  | 1.39   | cps   |
| Strontium  | 88-1  | 1310181 | 1328744 | 1326561 | 1321829 | 0.77   | cps   |
| Sulfur     | 34-1  | 117989  | 118779  | 116536  | 117768  | 0.97   | cps   |
| Terbium    | 159-1 | 1664822 | 1654584 | 1679652 | 1666353 | 0.76   | cps   |
| Terbium    | 159-2 | 750515  | 750919  | 736582  | 746005  | 1.09   | cps   |
| Thallium   | 203-1 | 8       | 33      | 8       | 17      | 86.62  | cps   |
| Thallium   | 205-1 | 50      | 58      | 83      | 64      | 27.15  | cps   |
| Thorium    | 232-1 | 206     | 144     | 156     | 169     | 19.32  | cps   |
| Tin        | 118-1 | 1000    | 1100    | 1083    | 1061    | 5.05   | cps   |
| Titanium   | 47-1  | 492     | 650     | 617     | 586     | 14.24  | cps   |
| Uranium    | 238-1 | 1992    | 2009    | 2192    | 2064    | 5.38   | cps   |
| Vanadium   | 51-2  | 313     | 323     | 323     | 320     | 1.80   | cps   |
| Yttrium    | 89-1  | 1490072 | 1486888 | 1519029 | 1498663 | 1.18   | cps   |
| Yttrium    | 89-2  | 193704  | 194393  | 191798  | 193299  | 0.70   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620        | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:24:38 | DataFile Name :   | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 793  | 817  | 783  | 798     | 2.14   | cps   |
| Zirconium | 90-1 | 517  | 533  | 483  | 511     | 4.98   | cps   |
| Zirconium | 91-1 | 108  | 133  | 167  | 136     | 21.50  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620DUP     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:28:14 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 2584    | 2684    | 2842    | 2703    | 4.82   | cps   |
| Antimony   | 121-1 | 917     | 975     | 1067    | 986     | 7.67   | cps   |
| Arsenic    | 75-2  | 56      | 54      | 67      | 59      | 11.96  | cps   |
| Barium     | 135-1 | 8778    | 8995    | 8128    | 8634    | 5.23   | cps   |
| Barium     | 137-1 | 15284   | 14875   | 15534   | 15231   | 2.18   | cps   |
| Beryllium  | 9-1   | 60      | 53      | 40      | 51      | 19.92  | cps   |
| Bismuth    | 209-1 | 944251  | 913282  | 987604  | 948379  | 3.94   | cps   |
| Bismuth    | 209-2 | 484031  | 490487  | 462149  | 478889  | 3.10   | cps   |
| Boron      | 10-1  | 1517    | 1734    | 1759    | 1670    | 7.96   | cps   |
| Boron      | 11-1  | 7219    | 7127    | 7310    | 7219    | 1.27   | cps   |
| Cadmium    | 111-1 | 307     | 288     | 239     | 278     | 12.61  | cps   |
| Cadmium    | 106-1 | 425     | 400     | 350     | 392     | 9.75   | cps   |
| Cadmium    | 108-1 | 4       | 0       | 8       | 4       | 99.96  | cps   |
| Calcium    | 43-1  | 369397  | 365648  | 365589  | 366878  | 0.59   | cps   |
| Calcium    | 44-1  | 6198936 | 6191481 | 6190304 | 6193574 | 0.08   | cps   |
| Chromium   | 52-2  | 773     | 917     | 830     | 840     | 8.59   | cps   |
| Cobalt     | 59-2  | 240     | 227     | 263     | 243     | 7.63   | cps   |
| Copper     | 63-2  | 1070    | 1010    | 1010    | 1030    | 3.36   | cps   |
| Dysprosium | 156-1 | 50      | 50      | 25      | 42      | 34.64  | cps   |
| Dysprosium | 156-2 | 17      | 43      | 37      | 32      | 43.06  | cps   |
| Erbium     | 164-1 | 108     | 75      | 50      | 78      | 37.63  | cps   |
| Erbium     | 164-2 | 23      | 30      | 20      | 24      | 20.83  | cps   |
| Gadolinium | 160-1 | 100     | 67      | 75      | 81      | 21.53  | cps   |
| Gadolinium | 160-2 | 77      | 50      | 73      | 67      | 21.80  | cps   |
| Holmium    | 165-1 | 1571138 | 1549392 | 1605969 | 1575500 | 1.81   | cps   |
| Holmium    | 165-2 | 737121  | 742712  | 699076  | 726303  | 3.27   | cps   |
| Indium     | 115-1 | 1023786 | 991341  | 1016200 | 1010442 | 1.68   | cps   |
| Indium     | 115-2 | 184363  | 185651  | 173326  | 181113  | 3.74   | cps   |
| Iron       | 56-2  | 267619  | 269968  | 268360  | 268649  | 0.45   | cps   |
| Iron       | 57-2  | 8792    | 8964    | 8586    | 8781    | 2.16   | cps   |
| Krypton    | 83-1  | 77      | 50      | 60      | 62      | 21.65  | cps   |
| Lead       | 206-1 | 517     | 633     | 472     | 541     | 15.39  | cps   |
| Lead       | 207-1 | 583     | 606     | 400     | 530     | 21.30  | cps   |
| Lead       | 208-1 | 2422    | 2500    | 2233    | 2385    | 5.75   | cps   |
| Lithium    | 6-1   | 702786  | 690206  | 700436  | 697810  | 0.96   | cps   |
| Magnesium  | 24-2  | 286329  | 287415  | 287492  | 287078  | 0.23   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620DUP     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:28:14 | DataFile Name :   | 036SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 144713  | 145868  | 148188  | 146256  | 1.21   | cps   |
| Molybdenum | 94-1  | 317     | 392     | 258     | 322     | 20.74  | cps   |
| Molybdenum | 95-1  | 225     | 292     | 192     | 236     | 21.56  | cps   |
| Molybdenum | 96-1  | 233     | 225     | 400     | 286     | 34.50  | cps   |
| Molybdenum | 97-1  | 158     | 108     | 167     | 144     | 21.84  | cps   |
| Molybdenum | 98-1  | 425     | 392     | 425     | 414     | 4.65   | cps   |
| Neodymium  | 150-1 | 87      | 73      | 40      | 67      | 36.06  | cps   |
| Neodymium  | 150-2 | 20      | 13      | 20      | 18      | 21.66  | cps   |
| Nickel     | 60-2  | 187     | 160     | 133     | 160     | 16.67  | cps   |
| Phosphorus | 31-2  | 142     | 108     | 133     | 128     | 13.57  | cps   |
| Potassium  | 39-2  | 179481  | 178738  | 181691  | 179970  | 0.85   | cps   |
| Rhodium    | 103-1 | 1002276 | 953478  | 988128  | 981294  | 2.56   | cps   |
| Rhodium    | 103-2 | 459808  | 462628  | 427786  | 450074  | 4.30   | cps   |
| Scandium   | 45-1  | 1090745 | 1047327 | 1083287 | 1073786 | 2.16   | cps   |
| Scandium   | 45-2  | 51499   | 51215   | 48342   | 50352   | 3.47   | cps   |
| Selenium   | 77-2  | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Selenium   | 78-2  | 13      | 15      | 7       | 12      | 32.84  | cps   |
| Selenium   | 82-1  | 26      | 38      | 39      | 34      | 21.10  | cps   |
| Silicon    | 28-1  | 1505229 | 1470817 | 1459657 | 1478568 | 1.61   | cps   |
| Silver     | 109-1 | 125     | 100     | 92      | 106     | 16.44  | cps   |
| Silver     | 107-1 | 200     | 250     | 117     | 189     | 35.66  | cps   |
| Sodium     | 23-2  | 513898  | 515214  | 514243  | 514452  | 0.13   | cps   |
| Strontium  | 86-1  | 147291  | 147551  | 145379  | 146740  | 0.81   | cps   |
| Strontium  | 88-1  | 1314597 | 1318616 | 1314435 | 1315883 | 0.18   | cps   |
| Sulfur     | 34-1  | 120316  | 117938  | 117334  | 118529  | 1.33   | cps   |
| Terbium    | 159-1 | 1624787 | 1595543 | 1667718 | 1629350 | 2.23   | cps   |
| Terbium    | 159-2 | 726813  | 733959  | 686307  | 715693  | 3.59   | cps   |
| Thallium   | 203-1 | 17      | 33      | 8       | 19      | 65.47  | cps   |
| Thallium   | 205-1 | 75      | 83      | 42      | 67      | 33.07  | cps   |
| Thorium    | 232-1 | 89      | 161     | 178     | 143     | 33.14  | cps   |
| Tin        | 118-1 | 1083    | 983     | 1083    | 1050    | 5.50   | cps   |
| Titanium   | 47-1  | 508     | 650     | 475     | 544     | 17.07  | cps   |
| Uranium    | 238-1 | 1975    | 1942    | 2100    | 2006    | 4.16   | cps   |
| Vanadium   | 51-2  | 370     | 357     | 357     | 361     | 2.13   | cps   |
| Yttrium    | 89-1  | 1469183 | 1438177 | 1492524 | 1466628 | 1.86   | cps   |
| Yttrium    | 89-2  | 188991  | 189613  | 176778  | 185127  | 3.91   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03DUP         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620DUP     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:28:14 | DataFile Name :   | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 733  | 853  | 693  | 760     | 10.96  | cps   |
| Zirconium | 90-1 | 575  | 592  | 592  | 586     | 1.64   | cps   |
| Zirconium | 91-1 | 142  | 167  | 150  | 153     | 8.33   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620L       | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:31:51 | DataFile Name :   | 037SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 517     | 475     | 667     | 553     | 18.24  | cps   |
| Antimony   | 121-1 | 325     | 317     | 267     | 303     | 10.42  | cps   |
| Arsenic    | 75-2  | 11      | 11      | 9       | 10      | 10.18  | cps   |
| Barium     | 135-1 | 1725    | 1684    | 1717    | 1709    | 1.29   | cps   |
| Barium     | 137-1 | 3201    | 3401    | 3292    | 3298    | 3.04   | cps   |
| Beryllium  | 9-1   | 53      | 67      | 40      | 53      | 25.00  | cps   |
| Bismuth    | 209-1 | 980034  | 981834  | 947201  | 969690  | 2.01   | cps   |
| Bismuth    | 209-2 | 508556  | 500988  | 503758  | 504434  | 0.76   | cps   |
| Boron      | 10-1  | 708     | 817     | 700     | 742     | 8.78   | cps   |
| Boron      | 11-1  | 3300    | 3676    | 3401    | 3459    | 5.62   | cps   |
| Cadmium    | 111-1 | 370     | 297     | 233     | 300     | 22.86  | cps   |
| Cadmium    | 106-1 | 533     | 408     | 333     | 425     | 23.77  | cps   |
| Cadmium    | 108-1 | 4       | 8       | 0       | 4       | 99.96  | cps   |
| Calcium    | 43-1  | 79095   | 77821   | 76975   | 77964   | 1.37   | cps   |
| Calcium    | 44-1  | 1247493 | 1234624 | 1230657 | 1237591 | 0.71   | cps   |
| Chromium   | 52-2  | 327     | 293     | 323     | 314     | 5.84   | cps   |
| Cobalt     | 59-2  | 67      | 73      | 53      | 64      | 15.80  | cps   |
| Copper     | 63-2  | 350     | 407     | 357     | 371     | 8.35   | cps   |
| Dysprosium | 156-1 | 0       | 33      | 8       | 14      | 124.91 | cps   |
| Dysprosium | 156-2 | 0       | 13      | 0       | 4       | 173.21 | cps   |
| Erbium     | 164-1 | 17      | 8       | 17      | 14      | 34.67  | cps   |
| Erbium     | 164-2 | 7       | 3       | 13      | 8       | 65.47  | cps   |
| Gadolinium | 160-1 | 8       | 25      | 17      | 17      | 50.01  | cps   |
| Gadolinium | 160-2 | 23      | 23      | 23      | 23      | 0.00   | cps   |
| Holmium    | 165-1 | 1611731 | 1610282 | 1610134 | 1610716 | 0.05   | cps   |
| Holmium    | 165-2 | 757494  | 757631  | 763005  | 759377  | 0.41   | cps   |
| Indium     | 115-1 | 1062287 | 1069397 | 1075734 | 1069139 | 0.63   | cps   |
| Indium     | 115-2 | 191206  | 193309  | 194656  | 193057  | 0.90   | cps   |
| Iron       | 56-2  | 59504   | 59783   | 59593   | 59627   | 0.24   | cps   |
| Iron       | 57-2  | 2022    | 1939    | 1978    | 1980    | 2.11   | cps   |
| Krypton    | 83-1  | 27      | 47      | 43      | 39      | 27.55  | cps   |
| Lead       | 206-1 | 294     | 294     | 244     | 278     | 10.39  | cps   |
| Lead       | 207-1 | 261     | 222     | 200     | 228     | 13.58  | cps   |
| Lead       | 208-1 | 1039    | 950     | 928     | 972     | 6.05   | cps   |
| Lithium    | 6-1   | 704626  | 698410  | 699581  | 700872  | 0.47   | cps   |
| Magnesium  | 24-2  | 60506   | 60071   | 61477   | 60685   | 1.19   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620L       | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:31:51 | DataFile Name :   | 037SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 31744   | 30986   | 31053   | 31261   | 1.34   | cps   |
| Molybdenum | 94-1  | 133     | 75      | 108     | 106     | 27.73  | cps   |
| Molybdenum | 95-1  | 50      | 75      | 58      | 61      | 20.83  | cps   |
| Molybdenum | 96-1  | 58      | 58      | 67      | 61      | 7.87   | cps   |
| Molybdenum | 97-1  | 33      | 42      | 50      | 42      | 20.00  | cps   |
| Molybdenum | 98-1  | 100     | 125     | 75      | 100     | 25.00  | cps   |
| Neodymium  | 150-1 | 13      | 0       | 13      | 9       | 86.60  | cps   |
| Neodymium  | 150-2 | 3       | 3       | 7       | 4       | 43.40  | cps   |
| Nickel     | 60-2  | 37      | 37      | 30      | 34      | 11.18  | cps   |
| Phosphorus | 31-2  | 42      | 100     | 58      | 67      | 45.06  | cps   |
| Potassium  | 39-2  | 41233   | 42370   | 41802   | 41801   | 1.36   | cps   |
| Rhodium    | 103-1 | 1036457 | 1017095 | 1017457 | 1023670 | 1.08   | cps   |
| Rhodium    | 103-2 | 479773  | 477439  | 483516  | 480243  | 0.64   | cps   |
| Scandium   | 45-1  | 1161381 | 1144966 | 1148414 | 1151587 | 0.75   | cps   |
| Scandium   | 45-2  | 52402   | 53296   | 53118   | 52939   | 0.89   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 19      | 7       | 7       | 11      | 57.72  | cps   |
| Selenium   | 82-1  | 55      | 34      | 49      | 46      | 24.00  | cps   |
| Silicon    | 28-1  | 360294  | 360235  | 362513  | 361014  | 0.36   | cps   |
| Silver     | 109-1 | 42      | 50      | 17      | 36      | 48.03  | cps   |
| Silver     | 107-1 | 67      | 58      | 50      | 58      | 14.29  | cps   |
| Sodium     | 23-2  | 113897  | 115534  | 115232  | 114888  | 0.76   | cps   |
| Strontium  | 86-1  | 30951   | 30141   | 30158   | 30417   | 1.52   | cps   |
| Strontium  | 88-1  | 265757  | 258002  | 255210  | 259656  | 2.10   | cps   |
| Sulfur     | 34-1  | 111045  | 109467  | 109332  | 109948  | 0.87   | cps   |
| Terbium    | 159-1 | 1668500 | 1660582 | 1650755 | 1659945 | 0.54   | cps   |
| Terbium    | 159-2 | 746044  | 754073  | 759835  | 753317  | 0.92   | cps   |
| Thallium   | 203-1 | 25      | 8       | 8       | 14      | 69.31  | cps   |
| Thallium   | 205-1 | 42      | 42      | 42      | 42      | 0.00   | cps   |
| Thorium    | 232-1 | 61      | 61      | 89      | 70      | 22.79  | cps   |
| Tin        | 118-1 | 183     | 183     | 200     | 189     | 5.10   | cps   |
| Titanium   | 47-1  | 100     | 167     | 133     | 133     | 25.00  | cps   |
| Uranium    | 238-1 | 483     | 425     | 392     | 433     | 10.71  | cps   |
| Vanadium   | 51-2  | 73      | 43      | 50      | 56      | 28.36  | cps   |
| Yttrium    | 89-1  | 1508225 | 1500446 | 1509369 | 1506013 | 0.32   | cps   |
| Yttrium    | 89-2  | 193839  | 194413  | 196295  | 194849  | 0.66   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03LX5         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620L       | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:31:51 | DataFile Name :   | 037SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 197  | 190  | 190  | 192     | 2.00   | cps   |
| Zirconium | 90-1 | 308  | 158  | 208  | 225     | 33.95  | cps   |
| Zirconium | 91-1 | 42   | 58   | 42   | 47      | 20.38  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-04RE Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSRE Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:35:27 DataFile Name : 038SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 111598   | 113671   | 112286   | 112518   | 0.94   | cps   |
| Antimony   | 121-1 | 547091   | 556481   | 550847   | 551473   | 0.86   | cps   |
| Arsenic    | 75-2  | 20776    | 21765    | 20657    | 21066    | 2.89   | cps   |
| Barium     | 135-1 | 426588   | 423821   | 427909   | 426106   | 0.49   | cps   |
| Barium     | 137-1 | 742937   | 741100   | 741960   | 741999   | 0.12   | cps   |
| Beryllium  | 9-1   | 244986   | 243110   | 240712   | 242936   | 0.88   | cps   |
| Bismuth    | 209-1 | 910074   | 899277   | 915687   | 908346   | 0.92   | cps   |
| Bismuth    | 209-2 | 468354   | 459082   | 468201   | 465212   | 1.14   | cps   |
| Boron      | 10-1  | 24337    | 23277    | 23928    | 23847    | 2.24   | cps   |
| Boron      | 11-1  | 102188   | 102924   | 106859   | 103990   | 2.42   | cps   |
| Cadmium    | 111-1 | 141875   | 140053   | 143047   | 141658   | 1.07   | cps   |
| Cadmium    | 106-1 | 16819    | 16594    | 17161    | 16858    | 1.70   | cps   |
| Cadmium    | 108-1 | 10909    | 10925    | 10688    | 10840    | 1.22   | cps   |
| Calcium    | 43-1  | 669514   | 673233   | 667945   | 670231   | 0.41   | cps   |
| Calcium    | 44-1  | 11104369 | 11292973 | 11218556 | 11205300 | 0.85   | cps   |
| Chromium   | 52-2  | 248789   | 250275   | 247546   | 248870   | 0.55   | cps   |
| Cobalt     | 59-2  | 321001   | 322797   | 321904   | 321900   | 0.28   | cps   |
| Copper     | 63-2  | 211562   | 212215   | 212293   | 212023   | 0.19   | cps   |
| Dysprosium | 156-1 | 50       | 75       | 50       | 58       | 24.74  | cps   |
| Dysprosium | 156-2 | 17       | 33       | 40       | 30       | 40.05  | cps   |
| Erbium     | 164-1 | 125      | 75       | 83       | 94       | 28.37  | cps   |
| Erbium     | 164-2 | 27       | 47       | 20       | 31       | 44.61  | cps   |
| Gadolinium | 160-1 | 58       | 42       | 75       | 58       | 28.57  | cps   |
| Gadolinium | 160-2 | 63       | 53       | 50       | 56       | 12.49  | cps   |
| Holmium    | 165-1 | 1588742  | 1583027  | 1623179  | 1598316  | 1.36   | cps   |
| Holmium    | 165-2 | 740276   | 725181   | 733694   | 733050   | 1.03   | cps   |
| Indium     | 115-1 | 1005372  | 1002029  | 1037097  | 1014833  | 1.91   | cps   |
| Indium     | 115-2 | 181216   | 173063   | 179489   | 177923   | 2.41   | cps   |
| Iron       | 56-2  | 5097571  | 5120323  | 5120009  | 5112635  | 0.26   | cps   |
| Iron       | 57-2  | 130996   | 132537   | 132010   | 131848   | 0.59   | cps   |
| Krypton    | 83-1  | 70       | 50       | 30       | 50       | 40.00  | cps   |
| Lead       | 206-1 | 470917   | 466636   | 464641   | 467398   | 0.69   | cps   |
| Lead       | 207-1 | 441554   | 436004   | 439368   | 438975   | 0.64   | cps   |
| Lead       | 208-1 | 1978759  | 1966674  | 1974250  | 1973228  | 0.31   | cps   |
| Lithium    | 6-1   | 710190   | 701055   | 711763   | 707669   | 0.82   | cps   |
| Magnesium  | 24-2  | 2952890  | 2994096  | 2951455  | 2966147  | 0.82   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:35:27 | DataFile Name :   | 038SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 294060  | 300935  | 297896  | 297630  | 1.16   | cps   |
| Molybdenum | 94-1  | 964016  | 970349  | 962483  | 965616  | 0.43   | cps   |
| Molybdenum | 95-1  | 952795  | 956568  | 950492  | 953285  | 0.32   | cps   |
| Molybdenum | 96-1  | 1091893 | 1102509 | 1078949 | 1091117 | 1.08   | cps   |
| Molybdenum | 97-1  | 592394  | 597965  | 590898  | 593753  | 0.63   | cps   |
| Molybdenum | 98-1  | 1553182 | 1566397 | 1576119 | 1565233 | 0.74   | cps   |
| Neodymium  | 150-1 | 100     | 60      | 140     | 100     | 40.00  | cps   |
| Neodymium  | 150-2 | 20      | 23      | 23      | 22      | 8.65   | cps   |
| Nickel     | 60-2  | 78331   | 78207   | 77932   | 78157   | 0.26   | cps   |
| Phosphorus | 31-2  | 100     | 125     | 83      | 103     | 20.41  | cps   |
| Potassium  | 39-2  | 743062  | 757340  | 746544  | 748982  | 0.99   | cps   |
| Rhodium    | 103-1 | 962584  | 947538  | 963636  | 957919  | 0.94   | cps   |
| Rhodium    | 103-2 | 448727  | 437413  | 450020  | 445387  | 1.56   | cps   |
| Scandium   | 45-1  | 1103477 | 1093827 | 1105314 | 1100873 | 0.56   | cps   |
| Scandium   | 45-2  | 51278   | 50155   | 51700   | 51044   | 1.56   | cps   |
| Selenium   | 77-2  | 693     | 667     | 613     | 658     | 6.19   | cps   |
| Selenium   | 78-2  | 1980    | 2121    | 2028    | 2043    | 3.50   | cps   |
| Selenium   | 82-1  | 13873   | 13595   | 14047   | 13838   | 1.65   | cps   |
| Silicon    | 28-1  | 1865655 | 1898501 | 1885306 | 1883154 | 0.88   | cps   |
| Silver     | 109-1 | 598762  | 598369  | 598240  | 598457  | 0.05   | cps   |
| Silver     | 107-1 | 624439  | 628646  | 622434  | 625173  | 0.51   | cps   |
| Sodium     | 23-2  | 6128891 | 6138544 | 6125206 | 6130880 | 0.11   | cps   |
| Strontium  | 86-1  | 363477  | 363613  | 360504  | 362531  | 0.48   | cps   |
| Strontium  | 88-1  | 3181512 | 3200895 | 3185457 | 3189288 | 0.32   | cps   |
| Sulfur     | 34-1  | 116737  | 115293  | 112060  | 114697  | 2.09   | cps   |
| Terbium    | 159-1 | 1634825 | 1623455 | 1667695 | 1641992 | 1.40   | cps   |
| Terbium    | 159-2 | 729177  | 707870  | 730258  | 722435  | 1.75   | cps   |
| Thallium   | 203-1 | 552165  | 551846  | 556677  | 553563  | 0.49   | cps   |
| Thallium   | 205-1 | 1371940 | 1369283 | 1384393 | 1375205 | 0.59   | cps   |
| Thorium    | 232-1 | 344     | 278     | 272     | 298     | 13.48  | cps   |
| Tin        | 118-1 | 248809  | 248238  | 241895  | 246314  | 1.56   | cps   |
| Titanium   | 47-1  | 348669  | 351960  | 349184  | 349938  | 0.51   | cps   |
| Uranium    | 238-1 | 2549178 | 2530688 | 2593467 | 2557777 | 1.26   | cps   |
| Vanadium   | 51-2  | 211976  | 216007  | 217377  | 215120  | 1.30   | cps   |
| Yttrium    | 89-1  | 1461162 | 1449625 | 1484533 | 1465107 | 1.21   | cps   |
| Yttrium    | 89-2  | 188380  | 183105  | 187173  | 186219  | 1.48   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE    | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:35:27 | DataFile Name :   | 038SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 31441   | 31497   | 31915   | 31618   | 0.82   | cps   |
| Zirconium | 90-1 | 1153995 | 1169141 | 1150929 | 1158022 | 0.84   | cps   |
| Zirconium | 91-1 | 266547  | 270215  | 265265  | 267342  | 0.96   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-05RE Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSDRE Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:39:04 DataFile Name : 039SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 113175   | 111388   | 114578   | 113047   | 1.41   | cps   |
| Antimony   | 121-1 | 605911   | 596430   | 602387   | 601576   | 0.80   | cps   |
| Arsenic    | 75-2  | 22560    | 22855    | 22644    | 22686    | 0.67   | cps   |
| Barium     | 135-1 | 432791   | 431062   | 431718   | 431857   | 0.20   | cps   |
| Barium     | 137-1 | 755354   | 753338   | 752585   | 753759   | 0.19   | cps   |
| Beryllium  | 9-1   | 265106   | 261397   | 262393   | 262966   | 0.73   | cps   |
| Bismuth    | 209-1 | 911876   | 908026   | 890824   | 903576   | 1.24   | cps   |
| Bismuth    | 209-2 | 467109   | 476319   | 480780   | 474736   | 1.47   | cps   |
| Boron      | 10-1  | 25956    | 24596    | 25305    | 25286    | 2.69   | cps   |
| Boron      | 11-1  | 107733   | 109211   | 113491   | 110145   | 2.71   | cps   |
| Cadmium    | 111-1 | 152412   | 152901   | 153898   | 153070   | 0.49   | cps   |
| Cadmium    | 106-1 | 18463    | 18029    | 17486    | 17993    | 2.72   | cps   |
| Cadmium    | 108-1 | 11693    | 11513    | 11705    | 11637    | 0.92   | cps   |
| Calcium    | 43-1  | 672399   | 676579   | 676021   | 674999   | 0.34   | cps   |
| Calcium    | 44-1  | 11255119 | 11347010 | 11343377 | 11315169 | 0.46   | cps   |
| Chromium   | 52-2  | 268373   | 270951   | 267837   | 269053   | 0.62   | cps   |
| Cobalt     | 59-2  | 346070   | 353248   | 348810   | 349376   | 1.04   | cps   |
| Copper     | 63-2  | 215038   | 218458   | 211826   | 215107   | 1.54   | cps   |
| Dysprosium | 156-1 | 75       | 33       | 92       | 67       | 45.07  | cps   |
| Dysprosium | 156-2 | 63       | 43       | 33       | 47       | 32.74  | cps   |
| Erbium     | 164-1 | 75       | 50       | 33       | 53       | 39.74  | cps   |
| Erbium     | 164-2 | 13       | 27       | 23       | 21       | 32.88  | cps   |
| Gadolinium | 160-1 | 42       | 50       | 67       | 53       | 24.12  | cps   |
| Gadolinium | 160-2 | 40       | 50       | 50       | 47       | 12.37  | cps   |
| Holmium    | 165-1 | 1594711  | 1602856  | 1598960  | 1598842  | 0.25   | cps   |
| Holmium    | 165-2 | 739147   | 745509   | 770044   | 751567   | 2.17   | cps   |
| Indium     | 115-1 | 1010781  | 1006960  | 1011346  | 1009695  | 0.24   | cps   |
| Indium     | 115-2 | 177075   | 183323   | 185707   | 182035   | 2.45   | cps   |
| Iron       | 56-2  | 5126018  | 5165401  | 5069825  | 5120415  | 0.94   | cps   |
| Iron       | 57-2  | 129808   | 132308   | 130990   | 131035   | 0.95   | cps   |
| Krypton    | 83-1  | 60       | 67       | 47       | 58       | 17.62  | cps   |
| Lead       | 206-1 | 514586   | 508880   | 510421   | 511296   | 0.58   | cps   |
| Lead       | 207-1 | 481692   | 478065   | 476022   | 478593   | 0.60   | cps   |
| Lead       | 208-1 | 2155188  | 2153741  | 2155901  | 2154944  | 0.05   | cps   |
| Lithium    | 6-1   | 705523   | 707940   | 704435   | 705966   | 0.25   | cps   |
| Magnesium  | 24-2  | 3023592  | 3018528  | 2992981  | 3011700  | 0.54   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-05RE Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSDRE Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:39:04 DataFile Name : 039SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 297987  | 304141  | 298116  | 300082  | 1.17   | cps   |
| Molybdenum | 94-1  | 1006526 | 996747  | 1008839 | 1004037 | 0.64   | cps   |
| Molybdenum | 95-1  | 962734  | 969184  | 960018  | 963979  | 0.49   | cps   |
| Molybdenum | 96-1  | 1120540 | 1106863 | 1112179 | 1113194 | 0.62   | cps   |
| Molybdenum | 97-1  | 603459  | 599468  | 597873  | 600267  | 0.48   | cps   |
| Molybdenum | 98-1  | 1577128 | 1580234 | 1600574 | 1585979 | 0.80   | cps   |
| Neodymium  | 150-1 | 120     | 120     | 100     | 113     | 10.19  | cps   |
| Neodymium  | 150-2 | 30      | 30      | 33      | 31      | 6.18   | cps   |
| Nickel     | 60-2  | 86134   | 86124   | 85259   | 85839   | 0.59   | cps   |
| Phosphorus | 31-2  | 100     | 142     | 158     | 133     | 22.54  | cps   |
| Potassium  | 39-2  | 749622  | 761784  | 745364  | 752257  | 1.13   | cps   |
| Rhodium    | 103-1 | 959823  | 959396  | 959037  | 959418  | 0.04   | cps   |
| Rhodium    | 103-2 | 449364  | 454536  | 463796  | 455899  | 1.60   | cps   |
| Scandium   | 45-1  | 1094635 | 1098164 | 1095763 | 1096187 | 0.16   | cps   |
| Scandium   | 45-2  | 52021   | 51369   | 54313   | 52567   | 2.94   | cps   |
| Selenium   | 77-2  | 593     | 690     | 677     | 653     | 8.02   | cps   |
| Selenium   | 78-2  | 2000    | 2128    | 2093    | 2074    | 3.18   | cps   |
| Selenium   | 82-1  | 14950   | 14973   | 15051   | 14992   | 0.35   | cps   |
| Silicon    | 28-1  | 1864698 | 1863917 | 1891427 | 1873348 | 0.84   | cps   |
| Silver     | 109-1 | 652460  | 654921  | 659657  | 655679  | 0.56   | cps   |
| Silver     | 107-1 | 679695  | 683587  | 687420  | 683567  | 0.57   | cps   |
| Sodium     | 23-2  | 6205519 | 6235451 | 6129739 | 6190236 | 0.88   | cps   |
| Strontium  | 86-1  | 380977  | 380063  | 380287  | 380442  | 0.13   | cps   |
| Strontium  | 88-1  | 3359933 | 3376855 | 3408615 | 3381801 | 0.73   | cps   |
| Sulfur     | 34-1  | 106151  | 105287  | 102945  | 104794  | 1.58   | cps   |
| Terbium    | 159-1 | 1633778 | 1643661 | 1645328 | 1640923 | 0.38   | cps   |
| Terbium    | 159-2 | 725800  | 735825  | 755298  | 738974  | 2.03   | cps   |
| Thallium   | 203-1 | 609418  | 590608  | 608538  | 602854  | 1.76   | cps   |
| Thallium   | 205-1 | 1505354 | 1495066 | 1520145 | 1506855 | 0.84   | cps   |
| Thorium    | 232-1 | 228     | 261     | 250     | 246     | 6.89   | cps   |
| Tin        | 118-1 | 252682  | 251433  | 250324  | 251480  | 0.47   | cps   |
| Titanium   | 47-1  | 353022  | 352323  | 352384  | 352576  | 0.11   | cps   |
| Uranium    | 238-1 | 2777163 | 2806638 | 2805924 | 2796575 | 0.60   | cps   |
| Vanadium   | 51-2  | 232381  | 233407  | 228792  | 231527  | 1.05   | cps   |
| Yttrium    | 89-1  | 1456058 | 1475717 | 1464329 | 1465368 | 0.67   | cps   |
| Yttrium    | 89-2  | 189208  | 190901  | 194594  | 191567  | 1.44   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05RE          | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSDRE   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:39:04 | DataFile Name :   | 039SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 31618   | 32169   | 31030   | 31605   | 1.80   | cps   |
| Zirconium | 90-1 | 1305850 | 1308326 | 1320748 | 1311641 | 0.61   | cps   |
| Zirconium | 91-1 | 282551  | 280787  | 282838  | 282059  | 0.39   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03ARE         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:42:41 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 114351   | 114989   | 114529   | 114623   | 0.29   | cps   |
| Antimony   | 121-1 | 579344   | 575287   | 580734   | 578455   | 0.49   | cps   |
| Arsenic    | 75-2  | 22091    | 22134    | 22339    | 22188    | 0.60   | cps   |
| Barium     | 135-1 | 432053   | 431903   | 432640   | 432199   | 0.09   | cps   |
| Barium     | 137-1 | 747394   | 753617   | 751732   | 750915   | 0.42   | cps   |
| Beryllium  | 9-1   | 252461   | 249151   | 249209   | 250274   | 0.76   | cps   |
| Bismuth    | 209-1 | 911224   | 908601   | 892020   | 903949   | 1.15   | cps   |
| Bismuth    | 209-2 | 481082   | 480020   | 478773   | 479958   | 0.24   | cps   |
| Boron      | 10-1  | 24780    | 24996    | 25372    | 25049    | 1.20   | cps   |
| Boron      | 11-1  | 107406   | 109544   | 109210   | 108720   | 1.06   | cps   |
| Cadmium    | 111-1 | 146145   | 147030   | 147288   | 146821   | 0.41   | cps   |
| Cadmium    | 106-1 | 16619    | 17603    | 16961    | 17061    | 2.93   | cps   |
| Cadmium    | 108-1 | 11317    | 11134    | 11455    | 11302    | 1.43   | cps   |
| Calcium    | 43-1  | 666820   | 679038   | 681356   | 675738   | 1.16   | cps   |
| Calcium    | 44-1  | 11223163 | 11370606 | 11411564 | 11335111 | 0.87   | cps   |
| Chromium   | 52-2  | 261254   | 259661   | 260119   | 260345   | 0.32   | cps   |
| Cobalt     | 59-2  | 338705   | 338078   | 338696   | 338493   | 0.11   | cps   |
| Copper     | 63-2  | 216573   | 215475   | 217142   | 216397   | 0.39   | cps   |
| Dysprosium | 156-1 | 108      | 58       | 67       | 78       | 34.44  | cps   |
| Dysprosium | 156-2 | 43       | 40       | 37       | 40       | 8.32   | cps   |
| Erbium     | 164-1 | 58       | 67       | 67       | 64       | 7.53   | cps   |
| Erbium     | 164-2 | 40       | 40       | 20       | 33       | 34.64  | cps   |
| Gadolinium | 160-1 | 58       | 75       | 17       | 50       | 60.09  | cps   |
| Gadolinium | 160-2 | 47       | 50       | 60       | 52       | 13.28  | cps   |
| Holmium    | 165-1 | 1611758  | 1620626  | 1570015  | 1600800  | 1.69   | cps   |
| Holmium    | 165-2 | 757187   | 758162   | 763471   | 759606   | 0.45   | cps   |
| Indium     | 115-1 | 1009950  | 1018227  | 994805   | 1007661  | 1.18   | cps   |
| Indium     | 115-2 | 183314   | 185700   | 185349   | 184788   | 0.70   | cps   |
| Iron       | 56-2  | 5227826  | 5153670  | 5177763  | 5186420  | 0.73   | cps   |
| Iron       | 57-2  | 133316   | 132403   | 132055   | 132591   | 0.49   | cps   |
| Krypton    | 83-1  | 77       | 53       | 67       | 66       | 17.86  | cps   |
| Lead       | 206-1 | 491970   | 489474   | 489645   | 490363   | 0.28   | cps   |
| Lead       | 207-1 | 460131   | 457109   | 452429   | 456556   | 0.85   | cps   |
| Lead       | 208-1 | 2058725  | 2067827  | 2059910  | 2062154  | 0.24   | cps   |
| Lithium    | 6-1   | 694602   | 698958   | 684258   | 692606   | 1.09   | cps   |
| Magnesium  | 24-2  | 3000147  | 3010281  | 2991955  | 3000794  | 0.31   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03ARE         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:42:41 | DataFile Name :   | 040SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 303468  | 300867  | 303691  | 302675  | 0.52   | cps   |
| Molybdenum | 94-1  | 980379  | 983909  | 994357  | 986215  | 0.74   | cps   |
| Molybdenum | 95-1  | 946611  | 969165  | 958886  | 958221  | 1.18   | cps   |
| Molybdenum | 96-1  | 1102920 | 1115942 | 1111494 | 1110119 | 0.60   | cps   |
| Molybdenum | 97-1  | 606264  | 595968  | 606765  | 602999  | 1.01   | cps   |
| Molybdenum | 98-1  | 1569177 | 1595725 | 1605320 | 1590074 | 1.18   | cps   |
| Neodymium  | 150-1 | 187     | 133     | 127     | 149     | 22.09  | cps   |
| Neodymium  | 150-2 | 40      | 30      | 27      | 32      | 21.53  | cps   |
| Nickel     | 60-2  | 82403   | 82614   | 82849   | 82622   | 0.27   | cps   |
| Phosphorus | 31-2  | 92      | 83      | 108     | 94      | 13.48  | cps   |
| Potassium  | 39-2  | 758230  | 754307  | 763710  | 758749  | 0.62   | cps   |
| Rhodium    | 103-1 | 961989  | 959157  | 946582  | 955909  | 0.86   | cps   |
| Rhodium    | 103-2 | 461624  | 464626  | 463100  | 463117  | 0.32   | cps   |
| Scandium   | 45-1  | 1093223 | 1094495 | 1075230 | 1087649 | 0.99   | cps   |
| Scandium   | 45-2  | 52463   | 52958   | 52797   | 52739   | 0.48   | cps   |
| Selenium   | 77-2  | 613     | 547     | 637     | 599     | 7.80   | cps   |
| Selenium   | 78-2  | 1939    | 2084    | 2009    | 2011    | 3.59   | cps   |
| Selenium   | 82-1  | 14501   | 14570   | 14551   | 14541   | 0.24   | cps   |
| Silicon    | 28-1  | 1846596 | 1890051 | 1888526 | 1875058 | 1.32   | cps   |
| Silver     | 109-1 | 625737  | 626330  | 626469  | 626179  | 0.06   | cps   |
| Silver     | 107-1 | 654925  | 652135  | 652665  | 653242  | 0.23   | cps   |
| Sodium     | 23-2  | 6171782 | 6176307 | 6168097 | 6172062 | 0.07   | cps   |
| Strontium  | 86-1  | 371152  | 370819  | 371885  | 371285  | 0.15   | cps   |
| Strontium  | 88-1  | 3268119 | 3310756 | 3315842 | 3298239 | 0.79   | cps   |
| Sulfur     | 34-1  | 104884  | 104758  | 104726  | 104789  | 0.08   | cps   |
| Terbium    | 159-1 | 1649752 | 1659313 | 1624076 | 1644380 | 1.11   | cps   |
| Terbium    | 159-2 | 747791  | 753204  | 753884  | 751626  | 0.44   | cps   |
| Thallium   | 203-1 | 582597  | 580471  | 575559  | 579542  | 0.62   | cps   |
| Thallium   | 205-1 | 1424588 | 1449725 | 1447573 | 1440629 | 0.97   | cps   |
| Thorium    | 232-1 | 161     | 239     | 178     | 193     | 21.26  | cps   |
| Tin        | 118-1 | 253362  | 253433  | 255060  | 253952  | 0.38   | cps   |
| Titanium   | 47-1  | 348286  | 352995  | 348902  | 350061  | 0.73   | cps   |
| Uranium    | 238-1 | 2661047 | 2701837 | 2719305 | 2694063 | 1.11   | cps   |
| Vanadium   | 51-2  | 225134  | 225647  | 223739  | 224840  | 0.44   | cps   |
| Yttrium    | 89-1  | 1463748 | 1493534 | 1446507 | 1467930 | 1.62   | cps   |
| Yttrium    | 89-2  | 193257  | 191775  | 193223  | 192752  | 0.44   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03ARE         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:42:41 | DataFile Name :   | 040SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 31908   | 32166   | 32216   | 32097   | 0.51   | cps   |
| Zirconium | 90-1 | 1203241 | 1209427 | 1197954 | 1203541 | 0.48   | cps   |
| Zirconium | 91-1 | 275863  | 274842  | 278934  | 276546  | 0.77   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV45               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV45               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:49:52 | DataFile Name :   | 042CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1084225  | 1098018  | 1087840  | 1090028  | 0.66   | cps   |
| Antimony   | 121-1 | 549244   | 550940   | 554182   | 551455   | 0.46   | cps   |
| Arsenic    | 75-2  | 22354    | 22575    | 22623    | 22517    | 0.64   | cps   |
| Barium     | 135-1 | 771072   | 761555   | 762673   | 765100   | 0.68   | cps   |
| Barium     | 137-1 | 1355107  | 1369948  | 1371871  | 1365642  | 0.67   | cps   |
| Beryllium  | 9-1   | 248543   | 251690   | 251263   | 250498   | 0.68   | cps   |
| Bismuth    | 209-1 | 827231   | 796366   | 799538   | 807712   | 2.10   | cps   |
| Bismuth    | 209-2 | 448200   | 459723   | 455085   | 454336   | 1.28   | cps   |
| Boron      | 10-1  | 43764    | 45645    | 45854    | 45088    | 2.55   | cps   |
| Boron      | 11-1  | 185199   | 186840   | 188942   | 186994   | 1.00   | cps   |
| Cadmium    | 111-1 | 169857   | 168123   | 169030   | 169003   | 0.51   | cps   |
| Cadmium    | 106-1 | 19489    | 19773    | 19422    | 19561    | 0.95   | cps   |
| Cadmium    | 108-1 | 12894    | 13311    | 13140    | 13115    | 1.60   | cps   |
| Calcium    | 43-1  | 1377045  | 1381227  | 1384325  | 1380866  | 0.26   | cps   |
| Calcium    | 44-1  | 23524982 | 23713193 | 23847418 | 23695198 | 0.68   | cps   |
| Chromium   | 52-2  | 250520   | 254394   | 253599   | 252838   | 0.81   | cps   |
| Cobalt     | 59-2  | 318459   | 323326   | 320752   | 320846   | 0.76   | cps   |
| Copper     | 63-2  | 407686   | 414173   | 412186   | 411348   | 0.81   | cps   |
| Dysprosium | 156-1 | 0        | 17       | 25       | 14       | 91.65  | cps   |
| Dysprosium | 156-2 | 23       | 7        | 27       | 19       | 56.72  | cps   |
| Erbium     | 164-1 | 8        | 8        | 0        | 6        | 86.60  | cps   |
| Erbium     | 164-2 | 7        | 3        | 3        | 4        | 43.40  | cps   |
| Gadolinium | 160-1 | 8        | 0        | 25       | 11       | 114.58 | cps   |
| Gadolinium | 160-2 | 27       | 23       | 17       | 22       | 22.91  | cps   |
| Holmium    | 165-1 | 1525457  | 1484594  | 1495759  | 1501937  | 1.41   | cps   |
| Holmium    | 165-2 | 738091   | 757821   | 746461   | 747458   | 1.32   | cps   |
| Indium     | 115-1 | 946330   | 904702   | 913461   | 921498   | 2.38   | cps   |
| Indium     | 115-2 | 177078   | 180140   | 178354   | 178524   | 0.86   | cps   |
| Iron       | 56-2  | 44356100 | 44424918 | 44254169 | 44345062 | 0.19   | cps   |
| Iron       | 57-2  | 1143996  | 1173439  | 1159137  | 1158857  | 1.27   | cps   |
| Krypton    | 83-1  | 33       | 57       | 47       | 46       | 25.70  | cps   |
| Lead       | 206-1 | 454087   | 452841   | 454412   | 453780   | 0.18   | cps   |
| Lead       | 207-1 | 411936   | 411945   | 415444   | 413109   | 0.49   | cps   |
| Lead       | 208-1 | 1893175  | 1894469  | 1902429  | 1896691  | 0.26   | cps   |
| Lithium    | 6-1   | 653932   | 633138   | 634164   | 640411   | 1.83   | cps   |
| Magnesium  | 24-2  | 11964366 | 12032740 | 11855094 | 11950734 | 0.75   | cps   |



|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV45               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV45               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:49:52 | DataFile Name :   | 042CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 282044   | 288978   | 285327   | 285450   | 1.22   | cps   |
| Molybdenum | 94-1  | 1546082  | 1542809  | 1548984  | 1545958  | 0.20   | cps   |
| Molybdenum | 95-1  | 1939573  | 1932035  | 1943441  | 1938349  | 0.30   | cps   |
| Molybdenum | 96-1  | 2162616  | 2159058  | 2164426  | 2162033  | 0.13   | cps   |
| Molybdenum | 97-1  | 1131108  | 1120693  | 1115116  | 1122306  | 0.72   | cps   |
| Molybdenum | 98-1  | 3095555  | 3094503  | 3099896  | 3096651  | 0.09   | cps   |
| Neodymium  | 150-1 | 40       | 67       | 67       | 58       | 26.65  | cps   |
| Neodymium  | 150-2 | 10       | 20       | 10       | 13       | 43.30  | cps   |
| Nickel     | 60-2  | 75067    | 75841    | 76153    | 75687    | 0.74   | cps   |
| Phosphorus | 31-2  | 11705    | 11263    | 11463    | 11477    | 1.93   | cps   |
| Potassium  | 39-2  | 5218491  | 5193318  | 5161331  | 5191047  | 0.55   | cps   |
| Rhodium    | 103-1 | 871055   | 839613   | 844095   | 851588   | 2.00   | cps   |
| Rhodium    | 103-2 | 409998   | 422563   | 413817   | 415460   | 1.55   | cps   |
| Scandium   | 45-1  | 1053291  | 1012478  | 1020819  | 1028863  | 2.10   | cps   |
| Scandium   | 45-2  | 49014    | 49429    | 48499    | 48981    | 0.95   | cps   |
| Selenium   | 77-2  | 747      | 643      | 630      | 673      | 9.48   | cps   |
| Selenium   | 78-2  | 2195     | 2287     | 2106     | 2196     | 4.13   | cps   |
| Selenium   | 82-1  | 14485    | 14370    | 14258    | 14371    | 0.79   | cps   |
| Silicon    | 28-1  | 692160   | 692158   | 701361   | 695226   | 0.76   | cps   |
| Silver     | 109-1 | 684495   | 685771   | 684756   | 685007   | 0.10   | cps   |
| Silver     | 107-1 | 724753   | 722492   | 711443   | 719563   | 0.99   | cps   |
| Sodium     | 23-2  | 25260319 | 25051609 | 25112769 | 25141566 | 0.43   | cps   |
| Strontium  | 86-1  | 235385   | 235749   | 235052   | 235395   | 0.15   | cps   |
| Strontium  | 88-1  | 2083958  | 2100228  | 2094580  | 2092922  | 0.39   | cps   |
| Sulfur     | 34-1  | 190366   | 190511   | 190037   | 190305   | 0.13   | cps   |
| Terbium    | 159-1 | 1559903  | 1525320  | 1534173  | 1539799  | 1.17   | cps   |
| Terbium    | 159-2 | 728727   | 744979   | 732081   | 735262   | 1.17   | cps   |
| Thallium   | 203-1 | 543199   | 549093   | 541851   | 544714   | 0.71   | cps   |
| Thallium   | 205-1 | 1359340  | 1364879  | 1372594  | 1365604  | 0.49   | cps   |
| Thorium    | 232-1 | 2672650  | 2686489  | 2688346  | 2682495  | 0.32   | cps   |
| Tin        | 118-1 | 458982   | 458513   | 462022   | 459839   | 0.41   | cps   |
| Titanium   | 47-1  | 651505   | 647594   | 651008   | 650036   | 0.33   | cps   |
| Uranium    | 238-1 | 2651938  | 2671255  | 2661445  | 2661546  | 0.36   | cps   |
| Vanadium   | 51-2  | 218750   | 221604   | 219169   | 219841   | 0.70   | cps   |
| Yttrium    | 89-1  | 1388670  | 1344334  | 1360284  | 1364429  | 1.65   | cps   |
| Yttrium    | 89-2  | 184981   | 188740   | 188205   | 187309   | 1.09   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV45               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV45               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 15:49:52 | DataFile Name :   | 042CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 64321   | 65857   | 66209   | 65462   | 1.53   | cps   |
| Zirconium | 90-1 | 1238468 | 1293988 | 1304588 | 1279014 | 2.78   | cps   |
| Zirconium | 91-1 | 284927  | 282079  | 276315  | 281107  | 1.56   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB45 Instrumnet Name : P7  
 Client Sample ID : CCB45 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:55:53 DataFile Name : 043CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 0       | 8       | 0       | 3       | 173.21 | cps   |
| Antimony   | 121-1 | 225     | 267     | 292     | 261     | 12.90  | cps   |
| Arsenic    | 75-2  | 6       | 0       | 0       | 2       | 173.21 | cps   |
| Barium     | 135-1 | 8       | 8       | 0       | 6       | 86.60  | cps   |
| Barium     | 137-1 | 8       | 17      | 8       | 11      | 43.34  | cps   |
| Beryllium  | 9-1   | 43      | 67      | 33      | 48      | 35.81  | cps   |
| Bismuth    | 209-1 | 875223  | 864534  | 851700  | 863819  | 1.36   | cps   |
| Bismuth    | 209-2 | 481918  | 487993  | 484967  | 484959  | 0.63   | cps   |
| Boron      | 10-1  | 1817    | 1625    | 1283    | 1575    | 17.15  | cps   |
| Boron      | 11-1  | 6577    | 6435    | 5710    | 6240    | 7.45   | cps   |
| Cadmium    | 111-1 | 223     | 298     | 281     | 267     | 14.76  | cps   |
| Cadmium    | 106-1 | 317     | 408     | 383     | 369     | 12.83  | cps   |
| Cadmium    | 108-1 | 4       | 0       | 0       | 1       | 173.21 | cps   |
| Calcium    | 43-1  | 67      | 58      | 25      | 50      | 44.10  | cps   |
| Calcium    | 44-1  | 2317    | 2292    | 2459    | 2356    | 3.82   | cps   |
| Chromium   | 52-2  | 260     | 210     | 177     | 216     | 19.46  | cps   |
| Cobalt     | 59-2  | 7       | 7       | 10      | 8       | 24.71  | cps   |
| Copper     | 63-2  | 100     | 130     | 127     | 119     | 13.83  | cps   |
| Dysprosium | 156-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Dysprosium | 156-2 | 3       | 0       | 0       | 1       | 173.21 | cps   |
| Erbium     | 164-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-2 | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 8       | 17      | 8       | 11      | 43.34  | cps   |
| Gadolinium | 160-2 | 7       | 17      | 17      | 13      | 43.29  | cps   |
| Holmium    | 165-1 | 1460233 | 1470359 | 1476977 | 1469190 | 0.57   | cps   |
| Holmium    | 165-2 | 719153  | 730149  | 728558  | 725953  | 0.82   | cps   |
| Indium     | 115-1 | 950352  | 945495  | 934243  | 943363  | 0.88   | cps   |
| Indium     | 115-2 | 184443  | 186006  | 188165  | 186205  | 1.00   | cps   |
| Iron       | 56-2  | 1017    | 1067    | 1161    | 1082    | 6.78   | cps   |
| Iron       | 57-2  | 33      | 67      | 39      | 46      | 38.58  | cps   |
| Krypton    | 83-1  | 43      | 33      | 30      | 36      | 19.51  | cps   |
| Lead       | 206-1 | 161     | 150     | 144     | 152     | 5.59   | cps   |
| Lead       | 207-1 | 133     | 150     | 133     | 139     | 6.93   | cps   |
| Lead       | 208-1 | 628     | 583     | 600     | 604     | 3.72   | cps   |
| Lithium    | 6-1   | 643104  | 640278  | 643978  | 642453  | 0.30   | cps   |
| Magnesium  | 24-2  | 58      | 75      | 142     | 92      | 48.10  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB45 Instrumnet Name : P7  
 Client Sample ID : CCB45 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 15:55:53 DataFile Name : 043CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 10      | 7       | 7       | 8       | 24.71  | cps   |
| Molybdenum | 94-1  | 75      | 108     | 58      | 81      | 31.60  | cps   |
| Molybdenum | 95-1  | 83      | 158     | 125     | 122     | 30.74  | cps   |
| Molybdenum | 96-1  | 167     | 75      | 108     | 117     | 39.77  | cps   |
| Molybdenum | 97-1  | 100     | 100     | 42      | 81      | 41.81  | cps   |
| Molybdenum | 98-1  | 183     | 133     | 117     | 144     | 24.02  | cps   |
| Neodymium  | 150-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 7       | 3       | 3       | 4       | 43.40  | cps   |
| Phosphorus | 31-2  | 17      | 50      | 17      | 28      | 69.27  | cps   |
| Potassium  | 39-2  | 3984    | 4159    | 4034    | 4059    | 2.22   | cps   |
| Rhodium    | 103-1 | 944617  | 933290  | 925064  | 934323  | 1.05   | cps   |
| Rhodium    | 103-2 | 451660  | 455469  | 456082  | 454404  | 0.53   | cps   |
| Scandium   | 45-1  | 1040250 | 1029777 | 1030231 | 1033419 | 0.57   | cps   |
| Scandium   | 45-2  | 47596   | 49412   | 49482   | 48830   | 2.19   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 11      | 15      | 9       | 12      | 24.10  | cps   |
| Selenium   | 82-1  | 57      | 56      | 65      | 59      | 8.79   | cps   |
| Silicon    | 28-1  | 42545   | 40573   | 41391   | 41503   | 2.39   | cps   |
| Silver     | 109-1 | 33      | 67      | 67      | 56      | 34.65  | cps   |
| Silver     | 107-1 | 33      | 17      | 33      | 28      | 34.63  | cps   |
| Sodium     | 23-2  | 5451    | 5818    | 5501    | 5590    | 3.56   | cps   |
| Strontium  | 86-1  | 58      | 67      | 83      | 69      | 18.33  | cps   |
| Strontium  | 88-1  | 108     | 42      | 42      | 64      | 60.24  | cps   |
| Sulfur     | 34-1  | 84607   | 84037   | 85008   | 84550   | 0.58   | cps   |
| Terbium    | 159-1 | 1517915 | 1521891 | 1512456 | 1517421 | 0.31   | cps   |
| Terbium    | 159-2 | 709687  | 723468  | 720394  | 717850  | 1.01   | cps   |
| Thallium   | 203-1 | 117     | 92      | 83      | 97      | 17.84  | cps   |
| Thallium   | 205-1 | 183     | 175     | 133     | 164     | 16.34  | cps   |
| Thorium    | 232-1 | 222     | 206     | 222     | 217     | 4.44   | cps   |
| Tin        | 118-1 | 142     | 75      | 158     | 125     | 35.28  | cps   |
| Titanium   | 47-1  | 25      | 42      | 17      | 28      | 45.82  | cps   |
| Uranium    | 238-1 | 42      | 42      | 17      | 33      | 43.30  | cps   |
| Vanadium   | 51-2  | 0       | 3       | 3       | 2       | 86.60  | cps   |
| Yttrium    | 89-1  | 1367976 | 1372728 | 1386139 | 1375614 | 0.68   | cps   |
| Yttrium    | 89-2  | 183761  | 187615  | 185592  | 185656  | 1.04   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB45               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB45               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 15:55:53 | DataFile Name :   | 043CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 40   | 20   | 13   | 24      | 56.78  | cps   |
| Zirconium | 90-1 | 200  | 117  | 167  | 161     | 26.03  | cps   |
| Zirconium | 91-1 | 58   | 8    | 50   | 39      | 68.89  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619DL      | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:59:29 | DataFile Name :   | 044SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 608     | 517     | 600     | 575     | 8.82   | cps   |
| Antimony   | 121-1 | 508     | 508     | 533     | 517     | 2.79   | cps   |
| Arsenic    | 75-2  | 17      | 22      | 9       | 16      | 40.51  | cps   |
| Barium     | 135-1 | 2809    | 2859    | 3134    | 2934    | 5.97   | cps   |
| Barium     | 137-1 | 5085    | 4976    | 5159    | 5073    | 1.82   | cps   |
| Beryllium  | 9-1   | 30      | 30      | 40      | 33      | 17.32  | cps   |
| Bismuth    | 209-1 | 929936  | 894691  | 909625  | 911417  | 1.94   | cps   |
| Bismuth    | 209-2 | 500551  | 498694  | 495469  | 498238  | 0.52   | cps   |
| Boron      | 10-1  | 1400    | 1333    | 1267    | 1333    | 5.00   | cps   |
| Boron      | 11-1  | 5910    | 5710    | 5801    | 5807    | 1.73   | cps   |
| Cadmium    | 111-1 | 291     | 325     | 317     | 311     | 5.73   | cps   |
| Cadmium    | 106-1 | 392     | 417     | 417     | 408     | 3.53   | cps   |
| Cadmium    | 108-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Calcium    | 43-1  | 109864  | 110141  | 109964  | 109990  | 0.13   | cps   |
| Calcium    | 44-1  | 1863384 | 1871687 | 1883825 | 1872965 | 0.55   | cps   |
| Chromium   | 52-2  | 327     | 340     | 353     | 340     | 3.92   | cps   |
| Cobalt     | 59-2  | 117     | 133     | 130     | 127     | 6.96   | cps   |
| Copper     | 63-2  | 460     | 527     | 490     | 492     | 6.78   | cps   |
| Dysprosium | 156-1 | 0       | 8       | 8       | 6       | 86.60  | cps   |
| Dysprosium | 156-2 | 7       | 3       | 10      | 7       | 50.03  | cps   |
| Erbium     | 164-1 | 8       | 17      | 8       | 11      | 43.34  | cps   |
| Erbium     | 164-2 | 10      | 0       | 7       | 6       | 91.64  | cps   |
| Gadolinium | 160-1 | 17      | 17      | 0       | 11      | 86.60  | cps   |
| Gadolinium | 160-2 | 27      | 30      | 17      | 24      | 28.38  | cps   |
| Holmium    | 165-1 | 1539580 | 1559820 | 1551665 | 1550355 | 0.66   | cps   |
| Holmium    | 165-2 | 755262  | 752034  | 739445  | 748914  | 1.12   | cps   |
| Indium     | 115-1 | 1004855 | 994498  | 990247  | 996533  | 0.75   | cps   |
| Indium     | 115-2 | 193169  | 189689  | 188208  | 190355  | 1.34   | cps   |
| Iron       | 56-2  | 100235  | 98288   | 97114   | 98546   | 1.60   | cps   |
| Iron       | 57-2  | 3262    | 3189    | 3100    | 3184    | 2.54   | cps   |
| Krypton    | 83-1  | 53      | 43      | 27      | 41      | 32.76  | cps   |
| Lead       | 206-1 | 267     | 289     | 256     | 270     | 6.28   | cps   |
| Lead       | 207-1 | 172     | 244     | 194     | 204     | 18.16  | cps   |
| Lead       | 208-1 | 950     | 1133    | 1083    | 1056    | 8.98   | cps   |
| Lithium    | 6-1   | 686005  | 682164  | 682925  | 683698  | 0.30   | cps   |
| Magnesium  | 24-2  | 122396  | 120523  | 122607  | 121842  | 0.94   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619DL      | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:59:29 | DataFile Name :   | 044SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 161485  | 159554  | 160100  | 160379  | 0.62   | cps   |
| Molybdenum | 94-1  | 100     | 108     | 208     | 139     | 43.41  | cps   |
| Molybdenum | 95-1  | 108     | 42      | 92      | 81      | 43.07  | cps   |
| Molybdenum | 96-1  | 108     | 125     | 100     | 111     | 11.46  | cps   |
| Molybdenum | 97-1  | 25      | 83      | 50      | 53      | 55.46  | cps   |
| Molybdenum | 98-1  | 133     | 108     | 117     | 119     | 10.66  | cps   |
| Neodymium  | 150-1 | 0       | 20      | 20      | 13      | 86.60  | cps   |
| Neodymium  | 150-2 | 10      | 3       | 3       | 6       | 69.34  | cps   |
| Nickel     | 60-2  | 67      | 60      | 57      | 61      | 8.33   | cps   |
| Phosphorus | 31-2  | 50      | 50      | 92      | 64      | 37.66  | cps   |
| Potassium  | 39-2  | 10579   | 10979   | 11080   | 10879   | 2.43   | cps   |
| Rhodium    | 103-1 | 995232  | 978978  | 979518  | 984576  | 0.94   | cps   |
| Rhodium    | 103-2 | 476590  | 471723  | 467904  | 472073  | 0.92   | cps   |
| Scandium   | 45-1  | 1092488 | 1089057 | 1086500 | 1089348 | 0.28   | cps   |
| Scandium   | 45-2  | 52687   | 51874   | 52018   | 52193   | 0.83   | cps   |
| Selenium   | 77-2  | 0       | 3       | 0       | 1       | 173.21 | cps   |
| Selenium   | 78-2  | 7       | 19      | 13      | 13      | 42.85  | cps   |
| Selenium   | 82-1  | 63      | 74      | 84      | 74      | 14.74  | cps   |
| Silicon    | 28-1  | 1235285 | 1240487 | 1247231 | 1241001 | 0.48   | cps   |
| Silver     | 109-1 | 125     | 92      | 142     | 119     | 21.31  | cps   |
| Silver     | 107-1 | 117     | 67      | 167     | 117     | 42.86  | cps   |
| Sodium     | 23-2  | 69227   | 70274   | 68783   | 69428   | 1.10   | cps   |
| Strontium  | 86-1  | 51000   | 49896   | 49628   | 50175   | 1.45   | cps   |
| Strontium  | 88-1  | 439849  | 431468  | 435487  | 435601  | 0.96   | cps   |
| Sulfur     | 34-1  | 92478   | 93183   | 94080   | 93247   | 0.86   | cps   |
| Terbium    | 159-1 | 1597059 | 1600243 | 1603515 | 1600272 | 0.20   | cps   |
| Terbium    | 159-2 | 747534  | 739102  | 731526  | 739387  | 1.08   | cps   |
| Thallium   | 203-1 | 67      | 75      | 108     | 83      | 26.46  | cps   |
| Thallium   | 205-1 | 333     | 392     | 292     | 339     | 14.82  | cps   |
| Thorium    | 232-1 | 178     | 167     | 178     | 174     | 3.69   | cps   |
| Tin        | 118-1 | 233     | 200     | 225     | 219     | 7.91   | cps   |
| Titanium   | 47-1  | 133     | 142     | 192     | 156     | 20.28  | cps   |
| Uranium    | 238-1 | 283     | 392     | 308     | 328     | 17.31  | cps   |
| Vanadium   | 51-2  | 47      | 40      | 30      | 39      | 21.57  | cps   |
| Yttrium    | 89-1  | 1461495 | 1469549 | 1467779 | 1466275 | 0.29   | cps   |
| Yttrium    | 89-2  | 194710  | 194325  | 191325  | 193454  | 0.96   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-01DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619DL      | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 15:59:29 | DataFile Name :   | 044SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 270  | 280  | 300  | 283     | 5.39   | cps   |
| Zirconium | 90-1 | 200  | 208  | 150  | 186     | 16.95  | cps   |
| Zirconium | 91-1 | 33   | 42   | 58   | 44      | 28.65  | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002DL | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 16:03:04 | DataFile Name :   | 045SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 883     | 633     | 642     | 719     | 19.74  | cps   |
| Antimony   | 121-1 | 400     | 425     | 317     | 381     | 14.90  | cps   |
| Arsenic    | 75-2  | 24      | 24      | 24      | 24      | 0.00   | cps   |
| Barium     | 135-1 | 3176    | 3326    | 3251    | 3251    | 2.31   | cps   |
| Barium     | 137-1 | 5668    | 5526    | 5635    | 5610    | 1.32   | cps   |
| Beryllium  | 9-1   | 27      | 40      | 57      | 41      | 36.56  | cps   |
| Bismuth    | 209-1 | 933404  | 942201  | 928476  | 934694  | 0.74   | cps   |
| Bismuth    | 209-2 | 495873  | 505165  | 502579  | 501205  | 0.96   | cps   |
| Boron      | 10-1  | 1325    | 1292    | 1292    | 1303    | 1.48   | cps   |
| Boron      | 11-1  | 5226    | 5343    | 5009    | 5193    | 3.26   | cps   |
| Cadmium    | 111-1 | 277     | 288     | 295     | 286     | 3.22   | cps   |
| Cadmium    | 106-1 | 383     | 375     | 392     | 383     | 2.17   | cps   |
| Cadmium    | 108-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Calcium    | 43-1  | 112131  | 111359  | 111946  | 111812  | 0.36   | cps   |
| Calcium    | 44-1  | 1875604 | 1899742 | 1906516 | 1893954 | 0.86   | cps   |
| Chromium   | 52-2  | 340     | 253     | 353     | 316     | 17.21  | cps   |
| Cobalt     | 59-2  | 153     | 180     | 150     | 161     | 10.20  | cps   |
| Copper     | 63-2  | 473     | 493     | 470     | 479     | 2.63   | cps   |
| Dysprosium | 156-1 | 25      | 8       | 0       | 11      | 114.58 | cps   |
| Dysprosium | 156-2 | 7       | 3       | 10      | 7       | 50.03  | cps   |
| Erbium     | 164-1 | 42      | 17      | 17      | 25      | 57.73  | cps   |
| Erbium     | 164-2 | 13      | 7       | 3       | 8       | 65.47  | cps   |
| Gadolinium | 160-1 | 17      | 17      | 8       | 14      | 34.67  | cps   |
| Gadolinium | 160-2 | 17      | 17      | 23      | 19      | 20.36  | cps   |
| Holmium    | 165-1 | 1557188 | 1571325 | 1582672 | 1570395 | 0.81   | cps   |
| Holmium    | 165-2 | 752358  | 753551  | 761075  | 755661  | 0.63   | cps   |
| Indium     | 115-1 | 1023692 | 1024240 | 1065394 | 1037775 | 2.30   | cps   |
| Indium     | 115-2 | 191536  | 191612  | 195051  | 192733  | 1.04   | cps   |
| Iron       | 56-2  | 104715  | 104060  | 105504  | 104760  | 0.69   | cps   |
| Iron       | 57-2  | 3373    | 3489    | 3228    | 3363    | 3.89   | cps   |
| Krypton    | 83-1  | 43      | 33      | 40      | 39      | 13.09  | cps   |
| Lead       | 206-1 | 256     | 267     | 217     | 246     | 10.66  | cps   |
| Lead       | 207-1 | 222     | 150     | 217     | 196     | 20.47  | cps   |
| Lead       | 208-1 | 1006    | 883     | 872     | 920     | 8.04   | cps   |
| Lithium    | 6-1   | 691045  | 693119  | 690122  | 691429  | 0.22   | cps   |
| Magnesium  | 24-2  | 120448  | 123631  | 125791  | 123290  | 2.18   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-02DLX5 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0619-9002DL Dilution Factor : 5  
 Date & Time Acquired :: 2019-07-23 16:03:04 DataFile Name : 045SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 174977  | 176052  | 177742  | 176257  | 0.79   | cps   |
| Molybdenum | 94-1  | 183     | 142     | 167     | 164     | 12.80  | cps   |
| Molybdenum | 95-1  | 117     | 92      | 67      | 92      | 27.27  | cps   |
| Molybdenum | 96-1  | 117     | 92      | 92      | 100     | 14.43  | cps   |
| Molybdenum | 97-1  | 83      | 75      | 75      | 78      | 6.19   | cps   |
| Molybdenum | 98-1  | 133     | 142     | 75      | 117     | 31.14  | cps   |
| Neodymium  | 150-1 | 20      | 13      | 7       | 13      | 49.99  | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 57      | 57      | 80      | 64      | 20.90  | cps   |
| Phosphorus | 31-2  | 100     | 67      | 58      | 75      | 29.39  | cps   |
| Potassium  | 39-2  | 14199   | 15233   | 14941   | 14791   | 3.61   | cps   |
| Rhodium    | 103-1 | 1005922 | 1010643 | 998030  | 1004865 | 0.63   | cps   |
| Rhodium    | 103-2 | 473840  | 480523  | 485398  | 479920  | 1.21   | cps   |
| Scandium   | 45-1  | 1099375 | 1116451 | 1100419 | 1105415 | 0.87   | cps   |
| Scandium   | 45-2  | 53158   | 52884   | 53282   | 53108   | 0.38   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 13      | 11      | 7       | 10      | 26.93  | cps   |
| Selenium   | 82-1  | 68      | 57      | 56      | 60      | 10.77  | cps   |
| Silicon    | 28-1  | 1257153 | 1274847 | 1257061 | 1263020 | 0.81   | cps   |
| Silver     | 109-1 | 67      | 158     | 83      | 103     | 47.51  | cps   |
| Silver     | 107-1 | 83      | 75      | 117     | 92      | 24.05  | cps   |
| Sodium     | 23-2  | 71647   | 71161   | 73204   | 72004   | 1.48   | cps   |
| Strontium  | 86-1  | 53099   | 52597   | 52597   | 52764   | 0.55   | cps   |
| Strontium  | 88-1  | 443935  | 443526  | 436885  | 441449  | 0.90   | cps   |
| Sulfur     | 34-1  | 96989   | 97459   | 96209   | 96886   | 0.65   | cps   |
| Terbium    | 159-1 | 1608469 | 1631930 | 1634058 | 1624819 | 0.87   | cps   |
| Terbium    | 159-2 | 739029  | 747144  | 746221  | 744131  | 0.60   | cps   |
| Thallium   | 203-1 | 42      | 25      | 33      | 33      | 25.01  | cps   |
| Thallium   | 205-1 | 158     | 100     | 92      | 117     | 31.14  | cps   |
| Thorium    | 232-1 | 106     | 89      | 78      | 91      | 15.41  | cps   |
| Tin        | 118-1 | 292     | 217     | 233     | 247     | 15.93  | cps   |
| Titanium   | 47-1  | 267     | 200     | 183     | 217     | 20.35  | cps   |
| Uranium    | 238-1 | 400     | 308     | 375     | 361     | 13.12  | cps   |
| Vanadium   | 51-2  | 73      | 77      | 70      | 73      | 4.55   | cps   |
| Yttrium    | 89-1  | 1470297 | 1490671 | 1500362 | 1487110 | 1.03   | cps   |
| Yttrium    | 89-2  | 194876  | 196768  | 197345  | 196330  | 0.66   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-02DLX5        | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0619-9002DL | Dilution Factor : | 5         |
| Date & Time Acquired :: | 2019-07-23 16:03:04 | DataFile Name :   | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 313  | 223  | 260  | 266     | 17.04  | cps   |
| Zirconium | 90-1 | 250  | 183  | 283  | 239     | 21.32  | cps   |
| Zirconium | 91-1 | 33   | 50   | 50   | 44      | 21.66  | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE2         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE2   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:14:06 | DataFile Name :   | 046SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 111991   | 113010   | 109725   | 111575   | 1.51   | cps   |
| Antimony   | 121-1 | 526381   | 525653   | 522350   | 524795   | 0.41   | cps   |
| Arsenic    | 75-2  | 20552    | 20700    | 20474    | 20575    | 0.56   | cps   |
| Barium     | 135-1 | 405810   | 407594   | 407959   | 407121   | 0.28   | cps   |
| Barium     | 137-1 | 705244   | 706393   | 710190   | 707276   | 0.37   | cps   |
| Beryllium  | 9-1   | 240499   | 238894   | 238179   | 239191   | 0.50   | cps   |
| Bismuth    | 209-1 | 876379   | 884689   | 876747   | 879271   | 0.53   | cps   |
| Bismuth    | 209-2 | 470614   | 482965   | 479643   | 477741   | 1.34   | cps   |
| Boron      | 10-1  | 22659    | 23703    | 23152    | 23171    | 2.25   | cps   |
| Boron      | 11-1  | 101372   | 104954   | 104820   | 103715   | 1.96   | cps   |
| Cadmium    | 111-1 | 136681   | 133796   | 134824   | 135101   | 1.08   | cps   |
| Cadmium    | 106-1 | 16735    | 15876    | 16802    | 16471    | 3.14   | cps   |
| Cadmium    | 108-1 | 10938    | 10788    | 10792    | 10839    | 0.79   | cps   |
| Calcium    | 43-1  | 657662   | 659341   | 658261   | 658421   | 0.13   | cps   |
| Calcium    | 44-1  | 11107770 | 11131930 | 11074775 | 11104825 | 0.26   | cps   |
| Chromium   | 52-2  | 247655   | 248279   | 244916   | 246950   | 0.72   | cps   |
| Cobalt     | 59-2  | 318180   | 319727   | 318326   | 318744   | 0.27   | cps   |
| Copper     | 63-2  | 399987   | 401385   | 397352   | 399575   | 0.51   | cps   |
| Dysprosium | 156-1 | 58       | 75       | 100      | 78       | 26.96  | cps   |
| Dysprosium | 156-2 | 47       | 37       | 50       | 44       | 15.61  | cps   |
| Erbium     | 164-1 | 50       | 83       | 42       | 58       | 37.80  | cps   |
| Erbium     | 164-2 | 17       | 17       | 37       | 23       | 49.48  | cps   |
| Gadolinium | 160-1 | 58       | 33       | 58       | 50       | 28.88  | cps   |
| Gadolinium | 160-2 | 40       | 63       | 57       | 53       | 22.53  | cps   |
| Holmium    | 165-1 | 1547445  | 1554083  | 1579891  | 1560473  | 1.10   | cps   |
| Holmium    | 165-2 | 741321   | 762949   | 754271   | 752847   | 1.45   | cps   |
| Indium     | 115-1 | 970991   | 968254   | 980673   | 973306   | 0.67   | cps   |
| Indium     | 115-2 | 182999   | 183651   | 184242   | 183630   | 0.34   | cps   |
| Iron       | 56-2  | 5111052  | 5107019  | 5025666  | 5081245  | 0.95   | cps   |
| Iron       | 57-2  | 130095   | 130727   | 127868   | 129563   | 1.16   | cps   |
| Krypton    | 83-1  | 47       | 57       | 57       | 53       | 10.82  | cps   |
| Lead       | 206-1 | 445471   | 440830   | 439791   | 442031   | 0.68   | cps   |
| Lead       | 207-1 | 410473   | 413274   | 413392   | 412380   | 0.40   | cps   |
| Lead       | 208-1 | 1878908  | 1890527  | 1879861  | 1883099  | 0.34   | cps   |
| Lithium    | 6-1   | 700361   | 701673   | 705605   | 702546   | 0.39   | cps   |
| Magnesium  | 24-2  | 2972427  | 2953521  | 2913056  | 2946335  | 1.03   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE2         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE2   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:14:06 | DataFile Name :   | 046SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 433919  | 432954  | 431111  | 432662  | 0.33   | cps   |
| Molybdenum | 94-1  | 938320  | 918534  | 931982  | 929612  | 1.09   | cps   |
| Molybdenum | 95-1  | 922322  | 919479  | 916756  | 919519  | 0.30   | cps   |
| Molybdenum | 96-1  | 1059849 | 1055394 | 1051942 | 1055728 | 0.38   | cps   |
| Molybdenum | 97-1  | 570937  | 572502  | 569714  | 571051  | 0.24   | cps   |
| Molybdenum | 98-1  | 1541056 | 1549369 | 1538442 | 1542955 | 0.37   | cps   |
| Neodymium  | 150-1 | 87      | 140     | 147     | 124     | 26.43  | cps   |
| Neodymium  | 150-2 | 20      | 13      | 50      | 28      | 70.32  | cps   |
| Nickel     | 60-2  | 78518   | 78321   | 77345   | 78062   | 0.80   | cps   |
| Phosphorus | 31-2  | 100     | 67      | 67      | 78      | 24.74  | cps   |
| Potassium  | 39-2  | 742287  | 746803  | 731433  | 740174  | 1.07   | cps   |
| Rhodium    | 103-1 | 932805  | 936300  | 937903  | 935669  | 0.28   | cps   |
| Rhodium    | 103-2 | 458615  | 460908  | 463354  | 460959  | 0.51   | cps   |
| Scandium   | 45-1  | 1074275 | 1085852 | 1098214 | 1086113 | 1.10   | cps   |
| Scandium   | 45-2  | 52844   | 53935   | 53185   | 53321   | 1.05   | cps   |
| Selenium   | 77-2  | 613     | 607     | 610     | 610     | 0.55   | cps   |
| Selenium   | 78-2  | 1928    | 1943    | 1974    | 1948    | 1.21   | cps   |
| Selenium   | 82-1  | 13429   | 13481   | 13583   | 13497   | 0.58   | cps   |
| Silicon    | 28-1  | 1891768 | 1953487 | 1896697 | 1913984 | 1.79   | cps   |
| Silver     | 109-1 | 579680  | 574169  | 577981  | 577277  | 0.49   | cps   |
| Silver     | 107-1 | 605019  | 595224  | 603288  | 601177  | 0.87   | cps   |
| Sodium     | 23-2  | 6118243 | 6067203 | 5999402 | 6061616 | 0.98   | cps   |
| Strontium  | 86-1  | 349194  | 346501  | 349951  | 348549  | 0.52   | cps   |
| Strontium  | 88-1  | 3108695 | 3136823 | 3137603 | 3127707 | 0.53   | cps   |
| Sulfur     | 34-1  | 115024  | 113353  | 109147  | 112508  | 2.69   | cps   |
| Terbium    | 159-1 | 1588581 | 1615705 | 1622026 | 1608771 | 1.10   | cps   |
| Terbium    | 159-2 | 729708  | 744645  | 746053  | 740136  | 1.22   | cps   |
| Thallium   | 203-1 | 526208  | 521776  | 523307  | 523764  | 0.43   | cps   |
| Thallium   | 205-1 | 1332439 | 1331527 | 1329885 | 1331283 | 0.10   | cps   |
| Thorium    | 232-1 | 317     | 283     | 317     | 306     | 6.30   | cps   |
| Tin        | 118-1 | 239738  | 239117  | 240052  | 239636  | 0.20   | cps   |
| Titanium   | 47-1  | 341232  | 335511  | 340895  | 339213  | 0.95   | cps   |
| Uranium    | 238-1 | 2452431 | 2448678 | 2476376 | 2459162 | 0.61   | cps   |
| Vanadium   | 51-2  | 211507  | 214563  | 210011  | 212027  | 1.09   | cps   |
| Yttrium    | 89-1  | 1436633 | 1449383 | 1466084 | 1450700 | 1.02   | cps   |
| Yttrium    | 89-2  | 192444  | 195541  | 194274  | 194087  | 0.80   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04RE2         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSRE2   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:14:06 | DataFile Name :   | 046SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 58276   | 59193   | 59082   | 58850   | 0.85   | cps   |
| Zirconium | 90-1 | 1120674 | 1108833 | 1114030 | 1114513 | 0.53   | cps   |
| Zirconium | 91-1 | 256026  | 256762  | 255652  | 256147  | 0.22   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-05RE2 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSDRE Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 16:17:43 DataFile Name : 047SMPL.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 110464   | 113723   | 109902   | 111363   | 1.85   | cps   |
| Antimony   | 121-1 | 594083   | 583084   | 589774   | 588981   | 0.94   | cps   |
| Arsenic    | 75-2  | 22716    | 22927    | 22490    | 22711    | 0.96   | cps   |
| Barium     | 135-1 | 430636   | 424001   | 428299   | 427645   | 0.79   | cps   |
| Barium     | 137-1 | 736504   | 734408   | 737769   | 736227   | 0.23   | cps   |
| Beryllium  | 9-1   | 256776   | 258975   | 256589   | 257447   | 0.52   | cps   |
| Bismuth    | 209-1 | 912975   | 904602   | 915812   | 911130   | 0.64   | cps   |
| Bismuth    | 209-2 | 478032   | 484536   | 508894   | 490487   | 3.32   | cps   |
| Boron      | 10-1  | 24462    | 25305    | 24537    | 24768    | 1.88   | cps   |
| Boron      | 11-1  | 106280   | 108463   | 108101   | 107615   | 1.09   | cps   |
| Cadmium    | 111-1 | 151941   | 149896   | 150404   | 150747   | 0.71   | cps   |
| Cadmium    | 106-1 | 17620    | 17512    | 18021    | 17717    | 1.51   | cps   |
| Cadmium    | 108-1 | 11572    | 11805    | 11834    | 11737    | 1.23   | cps   |
| Calcium    | 43-1  | 669128   | 668517   | 666570   | 668072   | 0.20   | cps   |
| Calcium    | 44-1  | 11160182 | 11135671 | 11345376 | 11213743 | 1.02   | cps   |
| Chromium   | 52-2  | 268756   | 271882   | 265287   | 268641   | 1.23   | cps   |
| Cobalt     | 59-2  | 343780   | 349904   | 343268   | 345651   | 1.07   | cps   |
| Copper     | 63-2  | 397031   | 398791   | 396244   | 397356   | 0.33   | cps   |
| Dysprosium | 156-1 | 75       | 58       | 50       | 61       | 20.83  | cps   |
| Dysprosium | 156-2 | 30       | 50       | 60       | 47       | 32.73  | cps   |
| Erbium     | 164-1 | 25       | 67       | 58       | 50       | 44.10  | cps   |
| Erbium     | 164-2 | 10       | 23       | 20       | 18       | 39.03  | cps   |
| Gadolinium | 160-1 | 75       | 83       | 58       | 72       | 17.62  | cps   |
| Gadolinium | 160-2 | 60       | 47       | 53       | 53       | 12.50  | cps   |
| Holmium    | 165-1 | 1618735  | 1626796  | 1624607  | 1623379  | 0.26   | cps   |
| Holmium    | 165-2 | 751075   | 769650   | 804071   | 774932   | 3.47   | cps   |
| Indium     | 115-1 | 1013868  | 1008180  | 1013578  | 1011875  | 0.32   | cps   |
| Indium     | 115-2 | 182511   | 187406   | 196851   | 188922   | 3.86   | cps   |
| Iron       | 56-2  | 5100712  | 5098403  | 5018234  | 5072450  | 0.93   | cps   |
| Iron       | 57-2  | 129858   | 132465   | 128597   | 130307   | 1.51   | cps   |
| Krypton    | 83-1  | 73       | 23       | 57       | 51       | 49.81  | cps   |
| Lead       | 206-1 | 498859   | 500264   | 499738   | 499620   | 0.14   | cps   |
| Lead       | 207-1 | 465873   | 463534   | 467720   | 465709   | 0.45   | cps   |
| Lead       | 208-1 | 2117473  | 2111773  | 2126621  | 2118622  | 0.35   | cps   |
| Lithium    | 6-1   | 708822   | 710741   | 706749   | 708770   | 0.28   | cps   |
| Magnesium  | 24-2  | 2938800  | 2943379  | 2906963  | 2929714  | 0.68   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : K3921-05RE2 Instrumnet Name : P7  
 Client Sample ID : SU19-MSW0620MSDRE Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 16:17:43 DataFile Name : 047SMPL.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 432263  | 439393  | 429069  | 433575  | 1.22   | cps   |
| Molybdenum | 94-1  | 993941  | 996117  | 995136  | 995065  | 0.11   | cps   |
| Molybdenum | 95-1  | 951183  | 954549  | 955012  | 953581  | 0.22   | cps   |
| Molybdenum | 96-1  | 1099573 | 1094597 | 1091616 | 1095262 | 0.37   | cps   |
| Molybdenum | 97-1  | 595625  | 595664  | 592067  | 594452  | 0.35   | cps   |
| Molybdenum | 98-1  | 1579288 | 1580994 | 1591563 | 1583948 | 0.42   | cps   |
| Neodymium  | 150-1 | 107     | 60      | 87      | 84      | 27.73  | cps   |
| Neodymium  | 150-2 | 20      | 17      | 43      | 27      | 54.47  | cps   |
| Nickel     | 60-2  | 85004   | 86037   | 84150   | 85064   | 1.11   | cps   |
| Phosphorus | 31-2  | 100     | 167     | 100     | 122     | 31.49  | cps   |
| Potassium  | 39-2  | 739969  | 744436  | 726539  | 736981  | 1.26   | cps   |
| Rhodium    | 103-1 | 971513  | 970123  | 980926  | 974187  | 0.60   | cps   |
| Rhodium    | 103-2 | 463722  | 470710  | 494555  | 476329  | 3.39   | cps   |
| Scandium   | 45-1  | 1109854 | 1103837 | 1112803 | 1108832 | 0.41   | cps   |
| Scandium   | 45-2  | 52403   | 53413   | 55788   | 53868   | 3.23   | cps   |
| Selenium   | 77-2  | 600     | 573     | 657     | 610     | 6.98   | cps   |
| Selenium   | 78-2  | 2087    | 2180    | 2200    | 2156    | 2.79   | cps   |
| Selenium   | 82-1  | 14670   | 15175   | 14856   | 14900   | 1.71   | cps   |
| Silicon    | 28-1  | 1890052 | 1914642 | 1885058 | 1896584 | 0.84   | cps   |
| Silver     | 109-1 | 645331  | 648832  | 652579  | 648914  | 0.56   | cps   |
| Silver     | 107-1 | 675432  | 672640  | 678493  | 675522  | 0.43   | cps   |
| Sodium     | 23-2  | 6019506 | 6068331 | 5955740 | 6014525 | 0.94   | cps   |
| Strontium  | 86-1  | 377453  | 374816  | 375440  | 375903  | 0.37   | cps   |
| Strontium  | 88-1  | 3337109 | 3361566 | 3386086 | 3361587 | 0.73   | cps   |
| Sulfur     | 34-1  | 103382  | 103952  | 103332  | 103555  | 0.33   | cps   |
| Terbium    | 159-1 | 1665234 | 1665986 | 1667416 | 1666212 | 0.07   | cps   |
| Terbium    | 159-2 | 752058  | 751794  | 793234  | 765695  | 3.11   | cps   |
| Thallium   | 203-1 | 598359  | 590694  | 591048  | 593367  | 0.73   | cps   |
| Thallium   | 205-1 | 1470456 | 1476773 | 1487838 | 1478356 | 0.60   | cps   |
| Thorium    | 232-1 | 339     | 239     | 300     | 293     | 17.23  | cps   |
| Tin        | 118-1 | 251692  | 250944  | 250123  | 250920  | 0.31   | cps   |
| Titanium   | 47-1  | 354394  | 346316  | 345303  | 348671  | 1.43   | cps   |
| Uranium    | 238-1 | 2754566 | 2736751 | 2806124 | 2765814 | 1.30   | cps   |
| Vanadium   | 51-2  | 230255  | 233002  | 227155  | 230137  | 1.27   | cps   |
| Yttrium    | 89-1  | 1496564 | 1491656 | 1506484 | 1498235 | 0.50   | cps   |
| Yttrium    | 89-2  | 193166  | 196736  | 206408  | 198770  | 3.45   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05RE2         | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSDRE   | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:17:43 | DataFile Name :   | 047SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 58282   | 59879   | 58229   | 58797   | 1.59   | cps   |
| Zirconium | 90-1 | 1303510 | 1306234 | 1323640 | 1311128 | 0.83   | cps   |
| Zirconium | 91-1 | 280369  | 281247  | 281097  | 280904  | 0.17   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MS      | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:27:01 | DataFile Name :   | 048SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 197216   | 199310   | 197047   | 197858   | 0.64   | cps   |
| Antimony   | 121-1 | 478798   | 476571   | 479423   | 478264   | 0.31   | cps   |
| Arsenic    | 75-2  | 19853    | 20062    | 20040    | 19985    | 0.58   | cps   |
| Barium     | 135-1 | 741616   | 740993   | 744520   | 742377   | 0.25   | cps   |
| Barium     | 137-1 | 1353851  | 1357732  | 1356014  | 1355866  | 0.14   | cps   |
| Beryllium  | 9-1   | 233242   | 229130   | 229760   | 230711   | 0.96   | cps   |
| Bismuth    | 209-1 | 914592   | 889293   | 890987   | 898291   | 1.57   | cps   |
| Bismuth    | 209-2 | 472671   | 479277   | 481273   | 477740   | 0.94   | cps   |
| Boron      | 10-1  | 40288    | 40547    | 42678    | 41171    | 3.19   | cps   |
| Boron      | 11-1  | 176522   | 180414   | 182913   | 179950   | 1.79   | cps   |
| Cadmium    | 111-1 | 136016   | 132664   | 135116   | 134598   | 1.29   | cps   |
| Cadmium    | 106-1 | 15392    | 15351    | 15960    | 15568    | 2.19   | cps   |
| Cadmium    | 108-1 | 10642    | 10150    | 10650    | 10480    | 2.73   | cps   |
| Calcium    | 43-1  | 611004   | 607306   | 600512   | 606274   | 0.88   | cps   |
| Calcium    | 44-1  | 10325087 | 10258379 | 10251307 | 10278258 | 0.40   | cps   |
| Chromium   | 52-2  | 238456   | 238627   | 239709   | 238931   | 0.28   | cps   |
| Cobalt     | 59-2  | 308201   | 311671   | 310675   | 310183   | 0.58   | cps   |
| Copper     | 63-2  | 377657   | 383780   | 378804   | 380080   | 0.86   | cps   |
| Dysprosium | 156-1 | 100      | 58       | 58       | 72       | 33.30  | cps   |
| Dysprosium | 156-2 | 33       | 53       | 40       | 42       | 24.12  | cps   |
| Erbium     | 164-1 | 33       | 67       | 42       | 47       | 36.74  | cps   |
| Erbium     | 164-2 | 13       | 17       | 33       | 21       | 50.75  | cps   |
| Gadolinium | 160-1 | 75       | 42       | 100      | 72       | 40.52  | cps   |
| Gadolinium | 160-2 | 50       | 43       | 47       | 47       | 7.15   | cps   |
| Holmium    | 165-1 | 1590431  | 1592988  | 1612709  | 1598709  | 0.76   | cps   |
| Holmium    | 165-2 | 750337   | 758996   | 755956   | 755096   | 0.58   | cps   |
| Indium     | 115-1 | 996303   | 989977   | 986281   | 990854   | 0.51   | cps   |
| Indium     | 115-2 | 180381   | 184560   | 180616   | 181852   | 1.29   | cps   |
| Iron       | 56-2  | 8984427  | 8999060  | 8887591  | 8957026  | 0.68   | cps   |
| Iron       | 57-2  | 222090   | 227374   | 224520   | 224662   | 1.18   | cps   |
| Krypton    | 83-1  | 47       | 33       | 87       | 56       | 49.96  | cps   |
| Lead       | 206-1 | 440859   | 434893   | 445494   | 440415   | 1.21   | cps   |
| Lead       | 207-1 | 410627   | 408325   | 413155   | 410702   | 0.59   | cps   |
| Lead       | 208-1 | 1879558  | 1873569  | 1889608  | 1880912  | 0.43   | cps   |
| Lithium    | 6-1   | 696129   | 686361   | 686292   | 689594   | 0.82   | cps   |
| Magnesium  | 24-2  | 2649687  | 2676643  | 2637254  | 2654528  | 0.76   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MS      | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:27:01 | DataFile Name :   | 048SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 411681  | 417712  | 414320  | 414571  | 0.73   | cps   |
| Molybdenum | 94-1  | 1401036 | 1396624 | 1406894 | 1401518 | 0.37   | cps   |
| Molybdenum | 95-1  | 1772738 | 1755582 | 1774414 | 1767578 | 0.59   | cps   |
| Molybdenum | 96-1  | 1968217 | 1962102 | 1964315 | 1964878 | 0.16   | cps   |
| Molybdenum | 97-1  | 1018482 | 1004959 | 1003285 | 1008909 | 0.83   | cps   |
| Molybdenum | 98-1  | 2824134 | 2817274 | 2801242 | 2814217 | 0.42   | cps   |
| Neodymium  | 150-1 | 107     | 93      | 60      | 87      | 27.74  | cps   |
| Neodymium  | 150-2 | 23      | 23      | 30      | 26      | 15.07  | cps   |
| Nickel     | 60-2  | 75828   | 76924   | 75627   | 76126   | 0.92   | cps   |
| Phosphorus | 31-2  | 158     | 92      | 183     | 144     | 32.81  | cps   |
| Potassium  | 39-2  | 1153095 | 1174830 | 1165335 | 1164420 | 0.94   | cps   |
| Rhodium    | 103-1 | 950468  | 936392  | 938613  | 941824  | 0.80   | cps   |
| Rhodium    | 103-2 | 457891  | 458976  | 464654  | 460507  | 0.79   | cps   |
| Scandium   | 45-1  | 1092655 | 1078104 | 1072406 | 1081055 | 0.97   | cps   |
| Scandium   | 45-2  | 51175   | 52215   | 51784   | 51724   | 1.01   | cps   |
| Selenium   | 77-2  | 563     | 537     | 567     | 556     | 2.96   | cps   |
| Selenium   | 78-2  | 1922    | 2056    | 1948    | 1975    | 3.58   | cps   |
| Selenium   | 82-1  | 13280   | 13127   | 13437   | 13281   | 1.17   | cps   |
| Silicon    | 28-1  | 2018556 | 2012903 | 2022298 | 2017919 | 0.23   | cps   |
| Silver     | 109-1 | 576671  | 569042  | 570162  | 571959  | 0.72   | cps   |
| Silver     | 107-1 | 593417  | 587278  | 591699  | 590798  | 0.54   | cps   |
| Sodium     | 23-2  | 5431868 | 5468578 | 5429440 | 5443295 | 0.40   | cps   |
| Strontium  | 86-1  | 341686  | 336039  | 337740  | 338488  | 0.86   | cps   |
| Strontium  | 88-1  | 3031745 | 3051977 | 3067865 | 3050529 | 0.59   | cps   |
| Sulfur     | 34-1  | 99523   | 99212   | 97375   | 98703   | 1.18   | cps   |
| Terbium    | 159-1 | 1660860 | 1641925 | 1652742 | 1651842 | 0.58   | cps   |
| Terbium    | 159-2 | 740673  | 752311  | 741086  | 744690  | 0.89   | cps   |
| Thallium   | 203-1 | 520636  | 516683  | 520618  | 519312  | 0.44   | cps   |
| Thallium   | 205-1 | 1328873 | 1313176 | 1338815 | 1326955 | 0.97   | cps   |
| Thorium    | 232-1 | 161     | 189     | 200     | 183     | 10.93  | cps   |
| Tin        | 118-1 | 447093  | 437062  | 439718  | 441291  | 1.18   | cps   |
| Titanium   | 47-1  | 610344  | 607806  | 604967  | 607705  | 0.44   | cps   |
| Uranium    | 238-1 | 2467995 | 2472682 | 2481938 | 2474205 | 0.29   | cps   |
| Vanadium   | 51-2  | 204621  | 206984  | 206420  | 206008  | 0.60   | cps   |
| Yttrium    | 89-1  | 1475961 | 1462359 | 1476962 | 1471761 | 0.55   | cps   |
| Yttrium    | 89-2  | 189474  | 194846  | 193400  | 192574  | 1.44   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-04            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MS      | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:27:01 | DataFile Name :   | 048SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 55057   | 56258   | 55505   | 55607   | 1.09   | cps   |
| Zirconium | 90-1 | 1118435 | 1090906 | 1099662 | 1103001 | 1.28   | cps   |
| Zirconium | 91-1 | 258438  | 253318  | 252276  | 254677  | 1.29   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSD     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:30:38 | DataFile Name :   | 049SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 199109   | 196028   | 200680   | 198606   | 1.19   | cps   |
| Antimony   | 121-1 | 486375   | 490826   | 490897   | 489366   | 0.53   | cps   |
| Arsenic    | 75-2  | 20062    | 20340    | 20327    | 20243    | 0.78   | cps   |
| Barium     | 135-1 | 765986   | 765895   | 767017   | 766299   | 0.08   | cps   |
| Barium     | 137-1 | 1371857  | 1377934  | 1383844  | 1377878  | 0.43   | cps   |
| Beryllium  | 9-1   | 232426   | 233164   | 230382   | 231990   | 0.62   | cps   |
| Bismuth    | 209-1 | 910133   | 918494   | 917145   | 915258   | 0.49   | cps   |
| Bismuth    | 209-2 | 480563   | 480477   | 485651   | 482230   | 0.61   | cps   |
| Boron      | 10-1  | 41608    | 44466    | 43313    | 43129    | 3.33   | cps   |
| Boron      | 11-1  | 187660   | 186083   | 191121   | 188288   | 1.37   | cps   |
| Cadmium    | 111-1 | 138363   | 139521   | 137133   | 138339   | 0.86   | cps   |
| Cadmium    | 106-1 | 16243    | 16477    | 16118    | 16279    | 1.12   | cps   |
| Cadmium    | 108-1 | 10959    | 10625    | 11063    | 10882    | 2.10   | cps   |
| Calcium    | 43-1  | 605562   | 614016   | 605933   | 608504   | 0.79   | cps   |
| Calcium    | 44-1  | 10176825 | 10282398 | 10307956 | 10255726 | 0.68   | cps   |
| Chromium   | 52-2  | 242239   | 239320   | 247157   | 242906   | 1.63   | cps   |
| Cobalt     | 59-2  | 316026   | 313360   | 317075   | 315487   | 0.61   | cps   |
| Copper     | 63-2  | 381507   | 383924   | 388973   | 384802   | 0.99   | cps   |
| Dysprosium | 156-1 | 67       | 75       | 67       | 69       | 6.93   | cps   |
| Dysprosium | 156-2 | 27       | 43       | 60       | 43       | 38.46  | cps   |
| Erbium     | 164-1 | 42       | 100      | 58       | 67       | 45.06  | cps   |
| Erbium     | 164-2 | 13       | 27       | 30       | 23       | 37.81  | cps   |
| Gadolinium | 160-1 | 58       | 58       | 58       | 58       | 0.00   | cps   |
| Gadolinium | 160-2 | 37       | 67       | 47       | 50       | 30.55  | cps   |
| Holmium    | 165-1 | 1612928  | 1645524  | 1649631  | 1636028  | 1.23   | cps   |
| Holmium    | 165-2 | 756775   | 757212   | 763884   | 759291   | 0.52   | cps   |
| Indium     | 115-1 | 1001642  | 1001786  | 1009504  | 1004310  | 0.45   | cps   |
| Indium     | 115-2 | 182283   | 181799   | 187406   | 183829   | 1.69   | cps   |
| Iron       | 56-2  | 8995656  | 8936167  | 9067808  | 8999877  | 0.73   | cps   |
| Iron       | 57-2  | 225715   | 226736   | 228997   | 227150   | 0.74   | cps   |
| Krypton    | 83-1  | 57       | 50       | 53       | 53       | 6.25   | cps   |
| Lead       | 206-1 | 460766   | 464923   | 459672   | 461787   | 0.60   | cps   |
| Lead       | 207-1 | 432855   | 432050   | 431358   | 432088   | 0.17   | cps   |
| Lead       | 208-1 | 1944357  | 1955739  | 1959960  | 1953352  | 0.41   | cps   |
| Lithium    | 6-1   | 684835   | 689023   | 685164   | 686340   | 0.34   | cps   |
| Magnesium  | 24-2  | 2623016  | 2597723  | 2630794  | 2617178  | 0.66   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSD     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:30:38 | DataFile Name :   | 049SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 418464  | 412984  | 418992  | 416813  | 0.80   | cps   |
| Molybdenum | 94-1  | 1428311 | 1437391 | 1438044 | 1434582 | 0.38   | cps   |
| Molybdenum | 95-1  | 1773537 | 1801082 | 1792560 | 1789059 | 0.79   | cps   |
| Molybdenum | 96-1  | 1998448 | 1988673 | 2009750 | 1998957 | 0.53   | cps   |
| Molybdenum | 97-1  | 1043593 | 1031297 | 1032875 | 1035922 | 0.65   | cps   |
| Molybdenum | 98-1  | 2858536 | 2862671 | 2881380 | 2867529 | 0.42   | cps   |
| Neodymium  | 150-1 | 93      | 160     | 140     | 131     | 26.09  | cps   |
| Neodymium  | 150-2 | 17      | 20      | 40      | 26      | 49.38  | cps   |
| Nickel     | 60-2  | 76371   | 76009   | 77788   | 76723   | 1.23   | cps   |
| Phosphorus | 31-2  | 92      | 92      | 75      | 86      | 11.18  | cps   |
| Potassium  | 39-2  | 1165330 | 1175155 | 1188145 | 1176210 | 0.97   | cps   |
| Rhodium    | 103-1 | 962714  | 961847  | 964462  | 963008  | 0.14   | cps   |
| Rhodium    | 103-2 | 457278  | 454354  | 464379  | 458670  | 1.12   | cps   |
| Scandium   | 45-1  | 1088868 | 1084833 | 1086354 | 1086685 | 0.19   | cps   |
| Scandium   | 45-2  | 51088   | 51593   | 52620   | 51767   | 1.51   | cps   |
| Selenium   | 77-2  | 597     | 587     | 550     | 578     | 4.25   | cps   |
| Selenium   | 78-2  | 1937    | 1958    | 1972    | 1956    | 0.90   | cps   |
| Selenium   | 82-1  | 13610   | 13785   | 13710   | 13702   | 0.64   | cps   |
| Silicon    | 28-1  | 2022556 | 2029861 | 2038166 | 2030194 | 0.38   | cps   |
| Silver     | 109-1 | 587952  | 581015  | 591718  | 586895  | 0.93   | cps   |
| Silver     | 107-1 | 613093  | 611606  | 612904  | 612534  | 0.13   | cps   |
| Sodium     | 23-2  | 5469823 | 5405116 | 5462286 | 5445741 | 0.65   | cps   |
| Strontium  | 86-1  | 349368  | 346598  | 347899  | 347955  | 0.40   | cps   |
| Strontium  | 88-1  | 3080815 | 3100295 | 3110183 | 3097097 | 0.48   | cps   |
| Sulfur     | 34-1  | 97502   | 96251   | 96008   | 96587   | 0.83   | cps   |
| Terbium    | 159-1 | 1660238 | 1686009 | 1692669 | 1679638 | 1.02   | cps   |
| Terbium    | 159-2 | 744922  | 742081  | 756937  | 747980  | 1.05   | cps   |
| Thallium   | 203-1 | 548214  | 546526  | 544964  | 546568  | 0.30   | cps   |
| Thallium   | 205-1 | 1367075 | 1392968 | 1384211 | 1381418 | 0.95   | cps   |
| Thorium    | 232-1 | 217     | 250     | 228     | 231     | 7.33   | cps   |
| Tin        | 118-1 | 458796  | 450844  | 453125  | 454255  | 0.90   | cps   |
| Titanium   | 47-1  | 614789  | 611373  | 619849  | 615337  | 0.69   | cps   |
| Uranium    | 238-1 | 2522844 | 2547880 | 2574697 | 2548474 | 1.02   | cps   |
| Vanadium   | 51-2  | 207756  | 207724  | 210752  | 208744  | 0.83   | cps   |
| Yttrium    | 89-1  | 1465907 | 1473004 | 1494446 | 1477786 | 1.01   | cps   |
| Yttrium    | 89-2  | 191316  | 192632  | 193335  | 192428  | 0.53   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-05            | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620MSD     | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:30:38 | DataFile Name :   | 049SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 55786   | 56188   | 56606   | 56193   | 0.73   | cps   |
| Zirconium | 90-1 | 1137561 | 1147178 | 1127598 | 1137446 | 0.86   | cps   |
| Zirconium | 91-1 | 258605  | 260672  | 264580  | 261286  | 1.16   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03A           | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:34:15 | DataFile Name :   | 050SMPL.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 199404   | 197523   | 196279   | 197736   | 0.80   | cps   |
| Antimony   | 121-1 | 490307   | 494330   | 497350   | 493996   | 0.72   | cps   |
| Arsenic    | 75-2  | 20131    | 20042    | 20021    | 20065    | 0.29   | cps   |
| Barium     | 135-1 | 764688   | 773270   | 768405   | 768787   | 0.56   | cps   |
| Barium     | 137-1 | 1373786  | 1382895  | 1385171  | 1380617  | 0.44   | cps   |
| Beryllium  | 9-1   | 232769   | 232890   | 233068   | 232909   | 0.06   | cps   |
| Bismuth    | 209-1 | 942212   | 912038   | 902776   | 919009   | 2.24   | cps   |
| Bismuth    | 209-2 | 469989   | 479120   | 479700   | 476270   | 1.14   | cps   |
| Boron      | 10-1  | 42786    | 42569    | 44884    | 43413    | 2.94   | cps   |
| Boron      | 11-1  | 182104   | 189733   | 191356   | 187731   | 2.63   | cps   |
| Cadmium    | 111-1 | 138154   | 137370   | 138853   | 138126   | 0.54   | cps   |
| Cadmium    | 106-1 | 16110    | 16302    | 16093    | 16168    | 0.72   | cps   |
| Cadmium    | 108-1 | 11021    | 10583    | 10996    | 10867    | 2.26   | cps   |
| Calcium    | 43-1  | 597498   | 599925   | 600951   | 599458   | 0.30   | cps   |
| Calcium    | 44-1  | 10022349 | 10129250 | 10136930 | 10096176 | 0.63   | cps   |
| Chromium   | 52-2  | 240768   | 242271   | 243121   | 242053   | 0.49   | cps   |
| Cobalt     | 59-2  | 317864   | 313574   | 314056   | 315165   | 0.75   | cps   |
| Copper     | 63-2  | 381494   | 383961   | 385752   | 383736   | 0.56   | cps   |
| Dysprosium | 156-1 | 50       | 50       | 58       | 53       | 9.12   | cps   |
| Dysprosium | 156-2 | 23       | 43       | 23       | 30       | 38.49  | cps   |
| Erbium     | 164-1 | 92       | 33       | 58       | 61       | 47.89  | cps   |
| Erbium     | 164-2 | 13       | 30       | 27       | 23       | 37.81  | cps   |
| Gadolinium | 160-1 | 50       | 42       | 33       | 42       | 20.00  | cps   |
| Gadolinium | 160-2 | 40       | 40       | 57       | 46       | 21.13  | cps   |
| Holmium    | 165-1 | 1611033  | 1623471  | 1631744  | 1622083  | 0.64   | cps   |
| Holmium    | 165-2 | 739697   | 749257   | 755686   | 748213   | 1.08   | cps   |
| Indium     | 115-1 | 998938   | 1020999  | 995656   | 1005198  | 1.37   | cps   |
| Indium     | 115-2 | 180285   | 181186   | 185146   | 182206   | 1.42   | cps   |
| Iron       | 56-2  | 9008008  | 8927211  | 8908022  | 8947747  | 0.59   | cps   |
| Iron       | 57-2  | 225513   | 226492   | 225117   | 225707   | 0.31   | cps   |
| Krypton    | 83-1  | 87       | 63       | 43       | 64       | 33.66  | cps   |
| Lead       | 206-1 | 464699   | 464263   | 463125   | 464029   | 0.18   | cps   |
| Lead       | 207-1 | 434581   | 437382   | 435086   | 435683   | 0.34   | cps   |
| Lead       | 208-1 | 1962091  | 1965599  | 1967535  | 1965075  | 0.14   | cps   |
| Lithium    | 6-1   | 674081   | 673895   | 671995   | 673324   | 0.17   | cps   |
| Magnesium  | 24-2  | 2619925  | 2590176  | 2600089  | 2603397  | 0.58   | cps   |



|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03A           | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:34:15 | DataFile Name :   | 050SMPL.d |

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 410818  | 411621  | 411202  | 411214  | 0.10   | cps   |
| Molybdenum | 94-1  | 1432585 | 1428894 | 1434799 | 1432093 | 0.21   | cps   |
| Molybdenum | 95-1  | 1785546 | 1782949 | 1788137 | 1785544 | 0.15   | cps   |
| Molybdenum | 96-1  | 2002553 | 1993847 | 2003472 | 1999957 | 0.27   | cps   |
| Molybdenum | 97-1  | 1050643 | 1034366 | 1027407 | 1037472 | 1.15   | cps   |
| Molybdenum | 98-1  | 2851570 | 2856010 | 2866853 | 2858144 | 0.28   | cps   |
| Neodymium  | 150-1 | 167     | 147     | 100     | 138     | 24.83  | cps   |
| Neodymium  | 150-2 | 27      | 30      | 40      | 32      | 21.53  | cps   |
| Nickel     | 60-2  | 76013   | 77071   | 76887   | 76657   | 0.74   | cps   |
| Phosphorus | 31-2  | 67      | 67      | 50      | 61      | 15.75  | cps   |
| Potassium  | 39-2  | 1169923 | 1161223 | 1167966 | 1166371 | 0.39   | cps   |
| Rhodium    | 103-1 | 944478  | 955446  | 950360  | 950095  | 0.58   | cps   |
| Rhodium    | 103-2 | 454298  | 453086  | 463721  | 457035  | 1.27   | cps   |
| Scandium   | 45-1  | 1078768 | 1069005 | 1071754 | 1073176 | 0.47   | cps   |
| Scandium   | 45-2  | 50683   | 51171   | 51516   | 51123   | 0.82   | cps   |
| Selenium   | 77-2  | 547     | 513     | 567     | 542     | 4.97   | cps   |
| Selenium   | 78-2  | 2006    | 1856    | 1928    | 1930    | 3.89   | cps   |
| Selenium   | 82-1  | 13827   | 13612   | 13819   | 13753   | 0.89   | cps   |
| Silicon    | 28-1  | 1913382 | 1945098 | 1949373 | 1935951 | 1.02   | cps   |
| Silver     | 109-1 | 585546  | 581592  | 587823  | 584987  | 0.54   | cps   |
| Silver     | 107-1 | 608301  | 612886  | 609031  | 610073  | 0.40   | cps   |
| Sodium     | 23-2  | 5476775 | 5424905 | 5384823 | 5428834 | 0.85   | cps   |
| Strontium  | 86-1  | 344701  | 341144  | 347652  | 344499  | 0.95   | cps   |
| Strontium  | 88-1  | 3042505 | 3055631 | 3067541 | 3055226 | 0.41   | cps   |
| Sulfur     | 34-1  | 95405   | 96570   | 96185   | 96053   | 0.62   | cps   |
| Terbium    | 159-1 | 1658228 | 1664754 | 1670139 | 1664373 | 0.36   | cps   |
| Terbium    | 159-2 | 731486  | 739831  | 744107  | 738474  | 0.87   | cps   |
| Thallium   | 203-1 | 551893  | 545285  | 550286  | 549155  | 0.63   | cps   |
| Thallium   | 205-1 | 1357050 | 1386473 | 1383179 | 1375567 | 1.17   | cps   |
| Thorium    | 232-1 | 83      | 161     | 194     | 146     | 38.97  | cps   |
| Tin        | 118-1 | 456007  | 452682  | 453446  | 454045  | 0.38   | cps   |
| Titanium   | 47-1  | 618297  | 616857  | 618016  | 617723  | 0.12   | cps   |
| Uranium    | 238-1 | 2554622 | 2579028 | 2592402 | 2575350 | 0.74   | cps   |
| Vanadium   | 51-2  | 208146  | 207815  | 210454  | 208805  | 0.69   | cps   |
| Yttrium    | 89-1  | 1457599 | 1466960 | 1464625 | 1463061 | 0.33   | cps   |
| Yttrium    | 89-2  | 188628  | 190123  | 194687  | 191146  | 1.65   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | K3921-03A           | Instrumnet Name : | P7        |
| Client Sample ID :      | SU19-MSW0620A       | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 16:34:15 | DataFile Name :   | 050SMPL.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 55870   | 56636   | 57038   | 56515   | 1.05   | cps   |
| Zirconium | 90-1 | 1146446 | 1135870 | 1128048 | 1136788 | 0.81   | cps   |
| Zirconium | 91-1 | 262427  | 260524  | 260582  | 261177  | 0.41   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV46               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV46               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 16:56:48 | DataFile Name :   | 051CCV.d |

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Aluminium  | 27-2  | 1018987  | 1020716  | 1029073  | 1022925  | 0.53   | cps   |
| Antimony   | 121-1 | 570771   | 565685   | 570024   | 568827   | 0.48   | cps   |
| Arsenic    | 75-2  | 20943    | 20965    | 21616    | 21175    | 1.81   | cps   |
| Barium     | 135-1 | 704046   | 703407   | 686106   | 697853   | 1.46   | cps   |
| Barium     | 137-1 | 1290713  | 1288343  | 1274158  | 1284405  | 0.70   | cps   |
| Beryllium  | 9-1   | 241901   | 241816   | 241066   | 241594   | 0.19   | cps   |
| Bismuth    | 209-1 | 741675   | 741247   | 745402   | 742774   | 0.31   | cps   |
| Bismuth    | 209-2 | 428594   | 429856   | 434010   | 430820   | 0.66   | cps   |
| Boron      | 10-1  | 39811    | 41859    | 41767    | 41146    | 2.81   | cps   |
| Boron      | 11-1  | 167189   | 171319   | 172835   | 170448   | 1.71   | cps   |
| Cadmium    | 111-1 | 153491   | 154848   | 150627   | 152989   | 1.41   | cps   |
| Cadmium    | 106-1 | 17562    | 17853    | 17144    | 17520    | 2.03   | cps   |
| Cadmium    | 108-1 | 12018    | 12068    | 12114    | 12066    | 0.40   | cps   |
| Calcium    | 43-1  | 1241215  | 1236391  | 1229720  | 1235776  | 0.47   | cps   |
| Calcium    | 44-1  | 21631416 | 21558625 | 21469923 | 21553321 | 0.38   | cps   |
| Chromium   | 52-2  | 232825   | 234290   | 235890   | 234335   | 0.65   | cps   |
| Cobalt     | 59-2  | 291901   | 299505   | 298132   | 296513   | 1.37   | cps   |
| Copper     | 63-2  | 378152   | 381717   | 384149   | 381339   | 0.79   | cps   |
| Dysprosium | 156-1 | 17       | 8        | 8        | 11       | 43.34  | cps   |
| Dysprosium | 156-2 | 3        | 13       | 27       | 14       | 81.07  | cps   |
| Erbium     | 164-1 | 8        | 0        | 8        | 6        | 86.60  | cps   |
| Erbium     | 164-2 | 3        | 0        | 3        | 2        | 86.60  | cps   |
| Gadolinium | 160-1 | 0        | 8        | 25       | 11       | 114.58 | cps   |
| Gadolinium | 160-2 | 20       | 33       | 20       | 24       | 31.49  | cps   |
| Holmium    | 165-1 | 1400186  | 1406132  | 1400283  | 1402200  | 0.24   | cps   |
| Holmium    | 165-2 | 703283   | 707222   | 717639   | 709381   | 1.05   | cps   |
| Indium     | 115-1 | 823486   | 818880   | 824326   | 822230   | 0.36   | cps   |
| Indium     | 115-2 | 165776   | 169292   | 168645   | 167904   | 1.11   | cps   |
| Iron       | 56-2  | 41793344 | 41478345 | 41488054 | 41586581 | 0.43   | cps   |
| Iron       | 57-2  | 1065181  | 1074278  | 1078513  | 1072658  | 0.64   | cps   |
| Krypton    | 83-1  | 40       | 57       | 37       | 44       | 24.11  | cps   |
| Lead       | 206-1 | 427637   | 421251   | 420415   | 423101   | 0.93   | cps   |
| Lead       | 207-1 | 381372   | 380649   | 383046   | 381689   | 0.32   | cps   |
| Lead       | 208-1 | 1792242  | 1792680  | 1783294  | 1789405  | 0.30   | cps   |
| Lithium    | 6-1   | 593416   | 590411   | 590473   | 591433   | 0.29   | cps   |
| Magnesium  | 24-2  | 11213576 | 11178585 | 11219746 | 11203969 | 0.20   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCV46 Instrumnet Name : P7  
 Client Sample ID : CCV46 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 16:56:48 DataFile Name : 051CCV.d

| Parameter  | Mass  | CPS1     | CPS2     | CPS3     | CPSMean  | CPSRSD | Units |
|------------|-------|----------|----------|----------|----------|--------|-------|
| Manganese  | 55-2  | 265279   | 268012   | 267693   | 266995   | 0.56   | cps   |
| Molybdenum | 94-1  | 1446721  | 1439674  | 1425806  | 1437400  | 0.74   | cps   |
| Molybdenum | 95-1  | 1808589  | 1800354  | 1783233  | 1797392  | 0.72   | cps   |
| Molybdenum | 96-1  | 2013160  | 2012297  | 2003071  | 2009509  | 0.28   | cps   |
| Molybdenum | 97-1  | 1019452  | 1013317  | 1012522  | 1015097  | 0.37   | cps   |
| Molybdenum | 98-1  | 2873954  | 2876708  | 2860534  | 2870399  | 0.30   | cps   |
| Neodymium  | 150-1 | 27       | 33       | 53       | 38       | 36.74  | cps   |
| Neodymium  | 150-2 | 10       | 13       | 10       | 11       | 17.30  | cps   |
| Nickel     | 60-2  | 69303    | 70351    | 71496    | 70383    | 1.56   | cps   |
| Phosphorus | 31-2  | 10387    | 10321    | 10562    | 10423    | 1.20   | cps   |
| Potassium  | 39-2  | 4879184  | 4842661  | 4836272  | 4852705  | 0.48   | cps   |
| Rhodium    | 103-1 | 757938   | 761740   | 761192   | 760290   | 0.27   | cps   |
| Rhodium    | 103-2 | 384217   | 391752   | 390885   | 388951   | 1.06   | cps   |
| Scandium   | 45-1  | 919985   | 899594   | 906534   | 908705   | 1.14   | cps   |
| Scandium   | 45-2  | 44858    | 45226    | 45232    | 45105    | 0.48   | cps   |
| Selenium   | 77-2  | 653      | 557      | 583      | 598      | 8.35   | cps   |
| Selenium   | 78-2  | 2163     | 1959     | 2085     | 2069     | 4.97   | cps   |
| Selenium   | 82-1  | 12919    | 12836    | 12972    | 12909    | 0.53   | cps   |
| Silicon    | 28-1  | 619496   | 620670   | 621569   | 620578   | 0.17   | cps   |
| Silver     | 109-1 | 622407   | 621428   | 620555   | 621463   | 0.15   | cps   |
| Silver     | 107-1 | 646439   | 650255   | 646763   | 647819   | 0.33   | cps   |
| Sodium     | 23-2  | 23540318 | 23275785 | 23506861 | 23440988 | 0.61   | cps   |
| Strontium  | 86-1  | 215578   | 214209   | 211849   | 213879   | 0.88   | cps   |
| Strontium  | 88-1  | 1958789  | 1956092  | 1926382  | 1947088  | 0.92   | cps   |
| Sulfur     | 34-1  | 170449   | 171215   | 166798   | 169487   | 1.39   | cps   |
| Terbium    | 159-1 | 1439673  | 1438046  | 1435457  | 1437725  | 0.15   | cps   |
| Terbium    | 159-2 | 689338   | 698620   | 698466   | 695475   | 0.76   | cps   |
| Thallium   | 203-1 | 504214   | 505497   | 498643   | 502785   | 0.72   | cps   |
| Thallium   | 205-1 | 1305005  | 1308061  | 1295546  | 1302871  | 0.50   | cps   |
| Thorium    | 232-1 | 2568078  | 2580879  | 2553017  | 2567325  | 0.54   | cps   |
| Tin        | 118-1 | 416983   | 417341   | 415444   | 416589   | 0.24   | cps   |
| Titanium   | 47-1  | 582694   | 580089   | 581712   | 581498   | 0.23   | cps   |
| Uranium    | 238-1 | 2549027  | 2553213  | 2557410  | 2553217  | 0.16   | cps   |
| Vanadium   | 51-2  | 201691   | 204130   | 203955   | 203259   | 0.67   | cps   |
| Yttrium    | 89-1  | 1173909  | 1173173  | 1166642  | 1171241  | 0.34   | cps   |
| Yttrium    | 89-2  | 173473   | 174597   | 175908   | 174659   | 0.70   | cps   |

|                         |                     |                   |          |
|-------------------------|---------------------|-------------------|----------|
| LB Number :             | LB104174            | Operator :        | Jaswal   |
| Lab Sample ID :         | CCV46               | Instrumnet Name : | P7       |
| Client Sample ID :      | CCV46               | Dilution Factor : | 1        |
| Date & Time Acquired :: | 2019-07-23 16:56:48 | DataFile Name :   | 051CCV.d |

| Parameter | Mass | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|-----------|------|---------|---------|---------|---------|--------|-------|
| Zinc      | 66-2 | 61040   | 61409   | 61047   | 61165   | 0.34   | cps   |
| Zirconium | 90-1 | 1163253 | 1159709 | 1148577 | 1157179 | 0.66   | cps   |
| Zirconium | 91-1 | 256635  | 259973  | 256944  | 257850  | 0.72   | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB46 Instrumnet Name : P7  
 Client Sample ID : CCB46 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 17:05:03 DataFile Name : 052CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Aluminium  | 27-2  | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Antimony   | 121-1 | 242     | 250     | 217     | 236     | 7.35   | cps   |
| Arsenic    | 75-2  | 2       | 0       | 4       | 2       | 100.00 | cps   |
| Barium     | 135-1 | 17      | 0       | 0       | 6       | 173.21 | cps   |
| Barium     | 137-1 | 33      | 25      | 17      | 25      | 33.32  | cps   |
| Beryllium  | 9-1   | 53      | 53      | 40      | 49      | 15.74  | cps   |
| Bismuth    | 209-1 | 864634  | 860255  | 834553  | 853147  | 1.90   | cps   |
| Bismuth    | 209-2 | 481254  | 481434  | 478057  | 480248  | 0.40   | cps   |
| Boron      | 10-1  | 933     | 1075    | 900     | 970     | 9.58   | cps   |
| Boron      | 11-1  | 4434    | 4192    | 4009    | 4212    | 5.06   | cps   |
| Cadmium    | 111-1 | 220     | 308     | 288     | 272     | 17.01  | cps   |
| Cadmium    | 106-1 | 308     | 417     | 400     | 375     | 15.56  | cps   |
| Cadmium    | 108-1 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Calcium    | 43-1  | 42      | 8       | 25      | 25      | 66.68  | cps   |
| Calcium    | 44-1  | 2117    | 2034    | 2259    | 2136    | 5.33   | cps   |
| Chromium   | 52-2  | 150     | 217     | 170     | 179     | 19.12  | cps   |
| Cobalt     | 59-2  | 3       | 10      | 7       | 7       | 50.03  | cps   |
| Copper     | 63-2  | 80      | 83      | 50      | 71      | 25.82  | cps   |
| Dysprosium | 156-1 | 8       | 0       | 0       | 3       | 173.21 | cps   |
| Dysprosium | 156-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Erbium     | 164-1 | 8       | 8       | 8       | 8       | 0.00   | cps   |
| Erbium     | 164-2 | 0       | 0       | 3       | 1       | 173.21 | cps   |
| Gadolinium | 160-1 | 17      | 0       | 8       | 8       | 100.02 | cps   |
| Gadolinium | 160-2 | 27      | 13      | 10      | 17      | 52.93  | cps   |
| Holmium    | 165-1 | 1440930 | 1457488 | 1424856 | 1441091 | 1.13   | cps   |
| Holmium    | 165-2 | 719119  | 710334  | 711814  | 713756  | 0.66   | cps   |
| Indium     | 115-1 | 930486  | 930746  | 904997  | 922076  | 1.60   | cps   |
| Indium     | 115-2 | 184274  | 182286  | 183160  | 183240  | 0.54   | cps   |
| Iron       | 56-2  | 1361    | 1206    | 1267    | 1278    | 6.13   | cps   |
| Iron       | 57-2  | 33      | 33      | 33      | 33      | 0.00   | cps   |
| Krypton    | 83-1  | 27      | 60      | 37      | 41      | 41.60  | cps   |
| Lead       | 206-1 | 100     | 89      | 89      | 93      | 6.93   | cps   |
| Lead       | 207-1 | 78      | 67      | 83      | 76      | 11.18  | cps   |
| Lead       | 208-1 | 372     | 367     | 328     | 356     | 6.81   | cps   |
| Lithium    | 6-1   | 645270  | 643476  | 638145  | 642297  | 0.58   | cps   |
| Magnesium  | 24-2  | 142     | 208     | 167     | 172     | 19.56  | cps   |

LB Number : LB104174 Operator : Jaswal  
 Lab Sample ID : CCB46 Instrumnet Name : P7  
 Client Sample ID : CCB46 Dilution Factor : 1  
 Date & Time Acquired :: 2019-07-23 17:05:03 DataFile Name : 052CCBE.d

| Parameter  | Mass  | CPS1    | CPS2    | CPS3    | CPSMean | CPSRSD | Units |
|------------|-------|---------|---------|---------|---------|--------|-------|
| Manganese  | 55-2  | 10      | 13      | 17      | 13      | 25.01  | cps   |
| Molybdenum | 94-1  | 92      | 92      | 125     | 103     | 18.73  | cps   |
| Molybdenum | 95-1  | 100     | 83      | 83      | 89      | 10.83  | cps   |
| Molybdenum | 96-1  | 175     | 125     | 108     | 136     | 25.49  | cps   |
| Molybdenum | 97-1  | 42      | 50      | 17      | 36      | 48.03  | cps   |
| Molybdenum | 98-1  | 133     | 75      | 75      | 94      | 35.66  | cps   |
| Neodymium  | 150-1 | 7       | 0       | 0       | 2       | 173.21 | cps   |
| Neodymium  | 150-2 | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Nickel     | 60-2  | 0       | 13      | 3       | 6       | 124.93 | cps   |
| Phosphorus | 31-2  | 17      | 25      | 50      | 31      | 56.77  | cps   |
| Potassium  | 39-2  | 3734    | 3584    | 3417    | 3578    | 4.43   | cps   |
| Rhodium    | 103-1 | 921730  | 910293  | 900480  | 910834  | 1.17   | cps   |
| Rhodium    | 103-2 | 444025  | 442934  | 446226  | 444395  | 0.38   | cps   |
| Scandium   | 45-1  | 1011956 | 1002960 | 994742  | 1003219 | 0.86   | cps   |
| Scandium   | 45-2  | 47750   | 48068   | 47396   | 47738   | 0.70   | cps   |
| Selenium   | 77-2  | 0       | 0       | 0       | 0       | 0.00   | cps   |
| Selenium   | 78-2  | 19      | 22      | 4       | 15      | 66.16  | cps   |
| Selenium   | 82-1  | 47      | 28      | 74      | 50      | 47.13  | cps   |
| Silicon    | 28-1  | 40731   | 41124   | 40163   | 40673   | 1.19   | cps   |
| Silver     | 109-1 | 17      | 17      | 33      | 22      | 43.28  | cps   |
| Silver     | 107-1 | 33      | 25      | 58      | 39      | 44.62  | cps   |
| Sodium     | 23-2  | 4159    | 4151    | 4292    | 4201    | 1.89   | cps   |
| Strontium  | 86-1  | 58      | 50      | 83      | 64      | 27.15  | cps   |
| Strontium  | 88-1  | 42      | 50      | 50      | 47      | 10.18  | cps   |
| Sulfur     | 34-1  | 80676   | 79755   | 79554   | 79995   | 0.75   | cps   |
| Terbium    | 159-1 | 1488985 | 1504039 | 1490460 | 1494495 | 0.56   | cps   |
| Terbium    | 159-2 | 706910  | 707499  | 701312  | 705240  | 0.48   | cps   |
| Thallium   | 203-1 | 42      | 50      | 42      | 44      | 10.82  | cps   |
| Thallium   | 205-1 | 183     | 175     | 158     | 172     | 7.39   | cps   |
| Thorium    | 232-1 | 167     | 172     | 161     | 167     | 3.33   | cps   |
| Tin        | 118-1 | 75      | 58      | 75      | 69      | 13.85  | cps   |
| Titanium   | 47-1  | 33      | 33      | 33      | 33      | 0.00   | cps   |
| Uranium    | 238-1 | 42      | 0       | 25      | 22      | 94.38  | cps   |
| Vanadium   | 51-2  | 0       | 3       | 7       | 3       | 100.05 | cps   |
| Yttrium    | 89-1  | 1338079 | 1347834 | 1345482 | 1343798 | 0.38   | cps   |
| Yttrium    | 89-2  | 182340  | 182557  | 179852  | 181583  | 0.83   | cps   |

|                         |                     |                   |           |
|-------------------------|---------------------|-------------------|-----------|
| LB Number :             | LB104174            | Operator :        | Jaswal    |
| Lab Sample ID :         | CCB46               | Instrumnet Name : | P7        |
| Client Sample ID :      | CCB46               | Dilution Factor : | 1         |
| Date & Time Acquired :: | 2019-07-23 17:05:03 | DataFile Name :   | 052CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|-----------|------|------|------|------|---------|--------|-------|
| Zinc      | 66-2 | 33   | 20   | 23   | 26      | 27.15  | cps   |
| Zirconium | 90-1 | 275  | 108  | 100  | 161     | 61.27  | cps   |
| Zirconium | 91-1 | 58   | 25   | 50   | 44      | 39.04  | cps   |