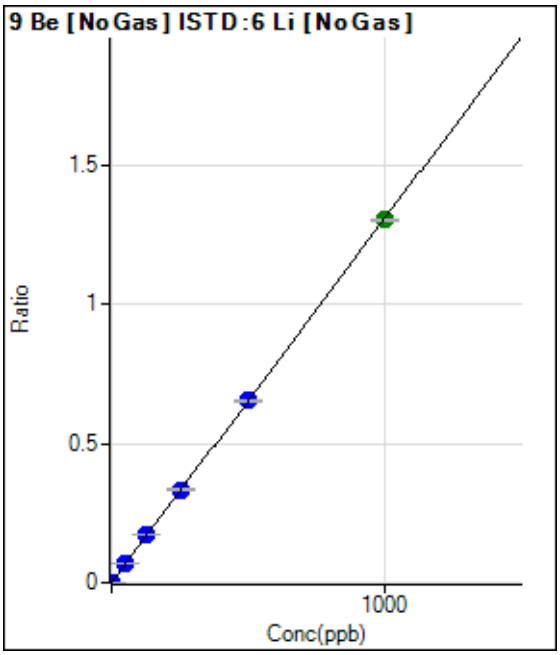
Batch Folder: D:\P8101018-MS.b\
Analysis File: P8101018-MS.batch.bin
DA Date-Time: 2018-10-10 15:53:11
Calibration Title:
Calibration Method: External Calibration
VIS Interpolation Fit:

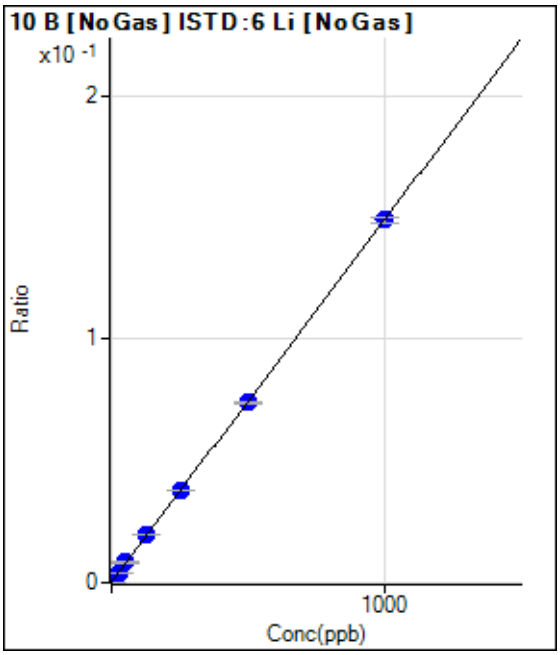
| Level | Standard Data File | Sample Name | Acq. Date-Time |
|---|---|---|---|
| 1 | 003CALB.d | S00 | 2018-10-10 12:11:15 |
| 2 | | | |
| 3 | 005CALS.d | S02 | 2018-10-10 12:17:59 |
| 4 | 006CALS.d | S03 | 2018-10-10 12:22:15 |
| 5 | 007CALS.d | S04 | 2018-10-10 12:25:59 |
| 6 | 008CALS.d | S05 | 2018-10-10 12:29:36 |
| 7 | 009CALS.d | S06 | 2018-10-10 12:33:08 |
| 8 | 010CALS.d | S07 | 2018-10-10 12:36:36 |
| 9 | 011CALS.d | S08 | 2018-10-10 12:40:02 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 309.27 | 0.0003 | P | 6.3 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.973 | 1577.91 | 0.0016 | P | 4.3 |
| 4 | ☐ | 50.000 | 53.889 | 71866.13 | 0.0706 | P | 1.4 |
| 5 | ☐ | 125.000 | 131.377 | 171288.92 | 0.1717 | P | 2.7 |
| 6 | ☐ | 250.000 | 255.715 | 329822.81 | 0.3339 | P | 2.6 |
| 7 | ☐ | 500.000 | 500.868 | 615135.61 | 0.6538 | P | 1.0 |
| 8 | ☐ | 1000.000 | 997.146 | 1191553.99 | 1.3012 | A | 0.7 |
| 9 | ☐ | | | 846.35 | 0.0009 | P | 17.3 |

y = 0.0013 * x + 3.1875E-004
R = 1.0000
DL = 0.04625
BEC = 0.2443

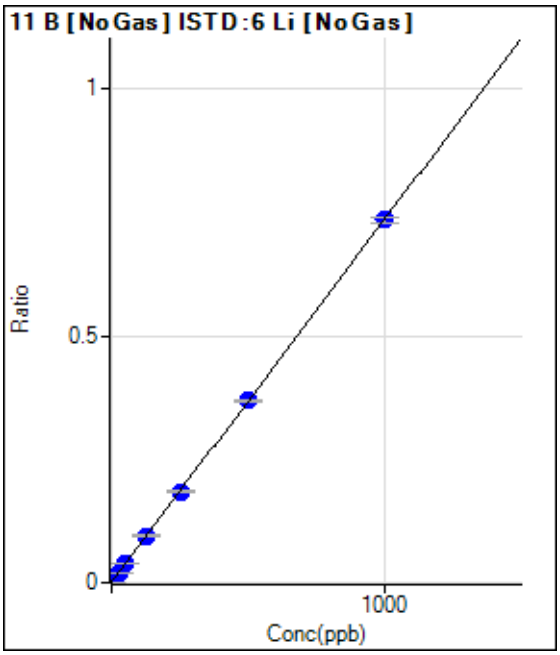
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 194.45 | 0.0002 | P | 17.4 |
| 2 | ☐ | 2.500 | | | | | |
| 3 | ☐ | 25.000 | 26.840 | 4167.48 | 0.0042 | P | 3.6 |
| 4 | ☐ | 50.000 | 54.888 | 8516.77 | 0.0084 | P | 5.1 |
| 5 | ☐ | 125.000 | 129.979 | 19494.57 | 0.0195 | P | 1.7 |
| 6 | ☐ | 250.000 | 252.773 | 37352.42 | 0.0378 | P | 1.5 |
| 7 | ☐ | 500.000 | 496.648 | 69719.29 | 0.0741 | P | 1.1 |
| 8 | ☐ | 1000.000 | 1000.070 | 136448.58 | 0.1490 | P | 1.3 |
| 9 | ☐ | | | 6368.34 | 0.0070 | P | 13.4 |

y = 1.4879E-004 * x + 1.9943E-004
R = 1.0000
DL = 0.7015
BEC = 1.34

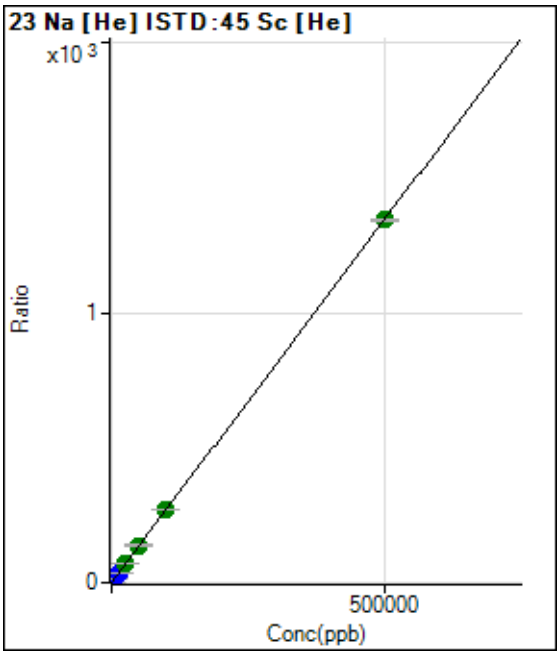
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 861.18 | 0.0009 | P | 17.2 |
| 2 | ☐ | 2.500 | | | | | |
| 3 | ☐ | 25.000 | 26.090 | 19925.60 | 0.0200 | P | 2.9 |
| 4 | ☐ | 50.000 | 52.247 | 39945.29 | 0.0393 | P | 1.1 |
| 5 | ☐ | 125.000 | 128.259 | 94826.46 | 0.0951 | P | 2.8 |
| 6 | ☐ | 250.000 | 249.552 | 181880.49 | 0.1841 | P | 1.5 |
| 7 | ☐ | 500.000 | 500.908 | 346892.25 | 0.3687 | P | 1.2 |
| 8 | ☐ | 1000.000 | 999.111 | 672585.84 | 0.7345 | P | 1.4 |
| 9 | ☐ | | | 31507.89 | 0.0346 | P | 7.1 |

y = 7.3423E-004 * x + 8.8855E-004
R = 1.0000
DL = 0.6246
BEC = 1.21

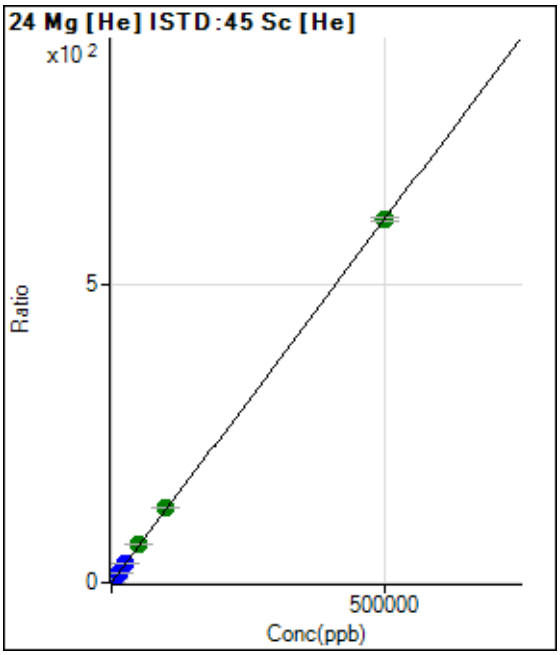
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 6132.13 | 0.2182 | P | 3.3 |
| 2 | ☐ | 50.000 | | | | | |
| 3 | ☐ | 500.000 | 510.072 | 44863.34 | 1.5887 | P | 1.1 |
| 4 | ☐ | 5000.000 | 5222.313 | 386006.46 | 14.2503 | P | 1.4 |
| 5 | ☐ | 12500.000 | 12589.084 | 889764.71 | 34.0443 | P | 1.6 |
| 6 | ☐ | 25000.000 | 25914.359 | 1632680.19 | 69.8486 | A | 2.1 |
| 7 | ☐ | 50000.000 | 51217.020 | 2945640.97 | 137.8353 | A | 1.4 |
| 8 | ☐ | 100000.00 | 100657.57 | 5639630.68 | 270.6792 | A | 0.7 |
| 9 | ☐ | 500000.00 | 499696.60 | 31114429.86 | 1,342.873 | A | 0.9 |

y = 0.0027 * x + 0.2182
R = 1.0000
DL = 8.151
BEC = 81.21

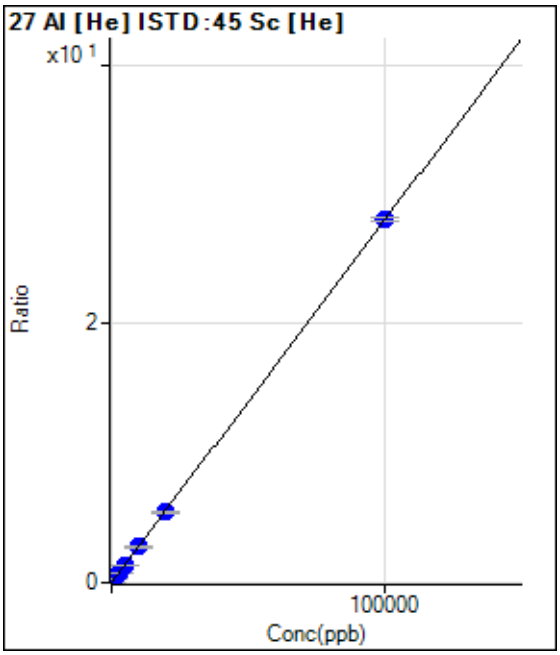
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 561.15 | 0.0200 | P | 8.4 |
| 2 | ☐ | 50.000 | | | | | |
| 3 | ☐ | 500.000 | 493.433 | 17600.61 | 0.6234 | P | 4.4 |
| 4 | ☐ | 5000.000 | 5207.066 | 172996.13 | 6.3879 | P | 2.9 |
| 5 | ☐ | 12500.000 | 12574.770 | 402456.10 | 15.3981 | P | 1.5 |
| 6 | ☐ | 25000.000 | 25714.676 | 735620.01 | 31.4673 | P | 1.6 |
| 7 | ☐ | 50000.000 | 52308.137 | 1367448.00 | 63.9894 | A | 1.7 |
| 8 | ☐ | 100000.00 | 102802.07 | 2619889.60 | 125.7401 | A | 0.3 |
| 9 | ☐ | 500000.00 | 499169.10 | 14144223.41 | 610.4707 | A | 1.2 |

y = 0.0012 * x + 0.0200
R = 1.0000
DL = 4.134
BEC = 16.33

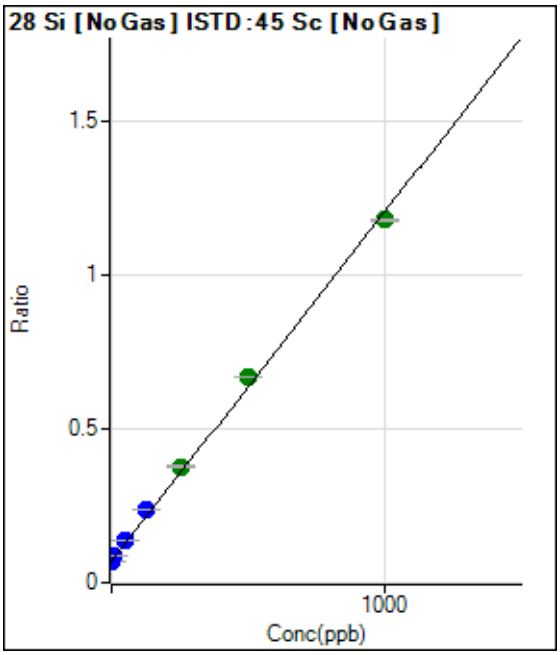
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 12.50 | 0.0004 | P | 19.1 |
| 2 | ☐ | 2.000 | | | | | |
| 3 | ☐ | 20.000 | 19.820 | 169.21 | 0.0060 | P | 7.7 |
| 4 | ☐ | 1000.000 | 1011.551 | 7684.08 | 0.2836 | P | 1.1 |
| 5 | ☐ | 2500.000 | 2431.594 | 17806.53 | 0.6812 | P | 0.7 |
| 6 | ☐ | 5000.000 | 4919.387 | 32206.96 | 1.3776 | P | 2.0 |
| 7 | ☐ | 10000.000 | 9838.489 | 58874.67 | 2.7547 | P | 1.9 |
| 8 | ☐ | 20000.000 | 19424.766 | 113308.56 | 5.4384 | P | 1.3 |
| 9 | ☐ | 100000.00 | 100136.82 | 649533.23 | 28.0339 | P | 1.1 |

y = 2.7995E-004 * x + 4.4414E-004
R = 1.0000
DL = 0.9069
BEC = 1.586

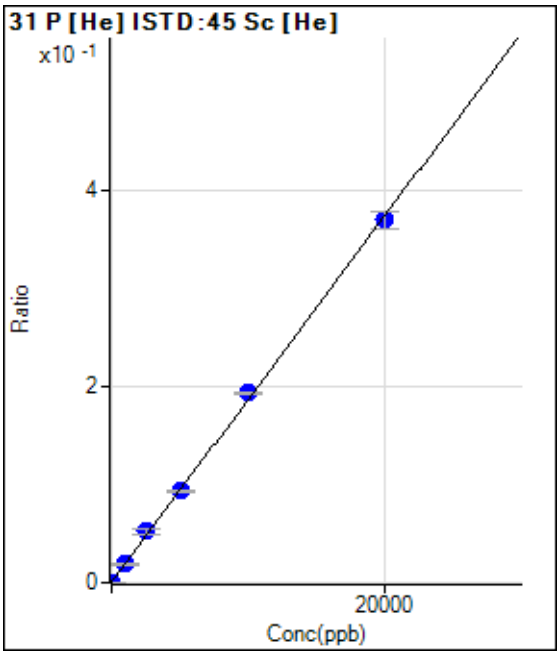
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 230097.78 | 0.0699 | P | 4.6 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 10.000 | 15.339 | 299126.37 | 0.0873 | P | 3.1 |
| 4 | ☐ | 50.000 | 58.866 | 464457.63 | 0.1366 | P | 1.8 |
| 5 | ☐ | 125.000 | 147.261 | 787861.99 | 0.2368 | P | 1.5 |
| 6 | ☐ | 250.000 | 271.452 | 1207268.33 | 0.3776 | A | 0.6 |
| 7 | ☐ | 500.000 | 527.069 | 1960613.06 | 0.6674 | A | 0.6 |
| 8 | ☐ | 1000.000 | 977.823 | 3401596.17 | 1.1783 | A | 0.6 |
| 9 | ☐ | | | 246452.07 | 0.0831 | P | 1.6 |

y = 0.0011 * x + 0.0699
R = 0.9991
DL = 8.495
BEC = 61.63

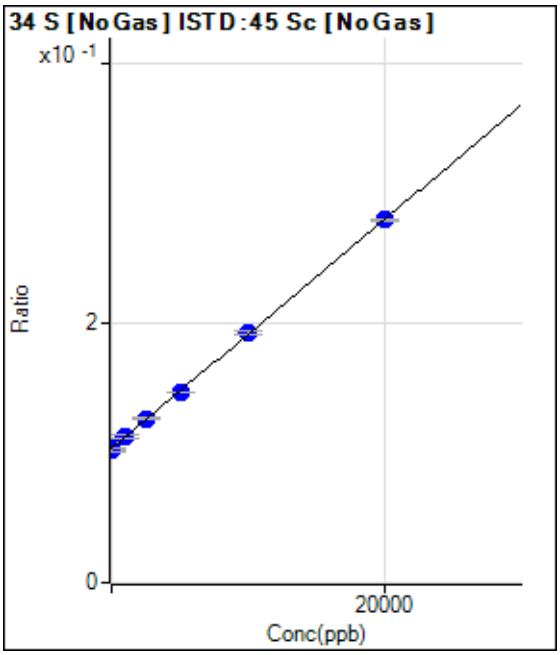
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.085 | 8.33 | 0.0003 | P | 100.7 |
| 2 | ☐ | 0.000 | | | | | |
| 3 | ☐ | 0.000 | -0.085 | 8.33 | 0.0003 | P | 1.6 |
| 4 | ☐ | 1000.000 | 995.088 | 511.15 | 0.0189 | P | 8.6 |
| 5 | ☐ | 2500.000 | 2791.089 | 1366.80 | 0.0524 | P | 10.8 |
| 6 | ☐ | 5000.000 | 4977.279 | 2178.04 | 0.0931 | P | 3.1 |
| 7 | ☐ | 10000.000 | 10335.604 | 4125.78 | 0.1931 | P | 1.5 |
| 8 | ☐ | 20000.000 | 19801.738 | 7699.64 | 0.3696 | P | 4.6 |
| 9 | ☐ | | | 19.44 | 0.0008 | P | 100.1 |

y = 1.8650E-005 * x + 2.9661E-004
R = 0.9997
DL = 24.53
BEC = 15.9

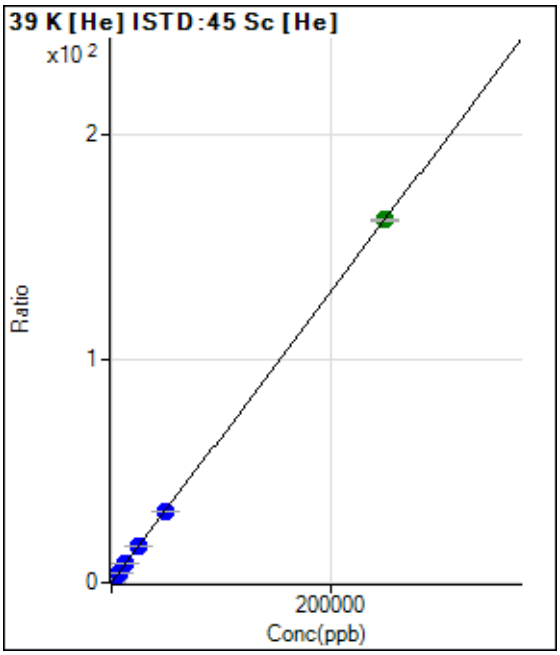
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 184.434 | 345566.46 | 0.1049 | P | 4.5 |
| 2 | ☐ | 0.000 | | | | | |
| 3 | ☐ | 0.000 | -184.434 | 348604.16 | 0.1017 | P | 2.3 |
| 4 | ☐ | 1000.000 | 1065.211 | 383119.60 | 0.1127 | P | 2.4 |
| 5 | ☐ | 2500.000 | 2601.768 | 419966.15 | 0.1262 | P | 1.4 |
| 6 | ☐ | 5000.000 | 4919.378 | 468885.06 | 0.1466 | P | 0.7 |
| 7 | ☐ | 10000.000 | 10107.255 | 565141.46 | 0.1924 | P | 1.2 |
| 8 | ☐ | 20000.000 | 19950.546 | 805744.73 | 0.2791 | P | 0.6 |
| 9 | ☐ | | | 295908.04 | 0.0998 | P | 2.1 |

y = 8.8129E-006 * x + 0.1033
R = 0.9998
DL = 1192
BEC = 1.172E+04

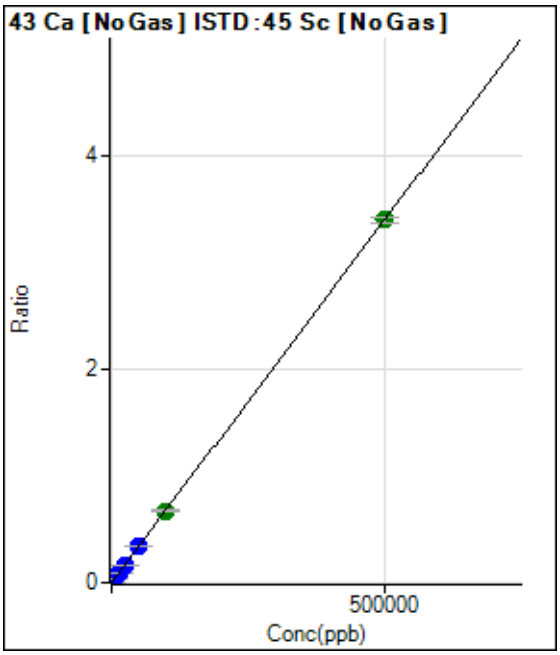
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 2783.74 | 0.0991 | P | 8.2 |
| 2 | ☐ | 50.000 | | | | | |
| 3 | ☐ | 500.000 | 522.133 | 12336.53 | 0.4370 | P | 4.3 |
| 4 | ☐ | 2500.000 | 2654.206 | 49220.36 | 1.8170 | P | 1.4 |
| 5 | ☐ | 6250.000 | 6408.360 | 111013.29 | 4.2469 | P | 2.1 |
| 6 | ☐ | 12500.000 | 12747.897 | 195221.89 | 8.3502 | P | 0.5 |
| 7 | ☐ | 25000.000 | 24695.321 | 343714.67 | 16.0833 | P | 1.7 |
| 8 | ☐ | 50000.000 | 48754.162 | 659556.51 | 31.6555 | P | 0.6 |
| 9 | ☐ | 250000.00 | 250261.69 | 3755460.11 | 162.0824 | A | 0.8 |

y = 6.4726E-004 * x + 0.0991
R = 1.0000
DL = 37.51
BEC = 153.1

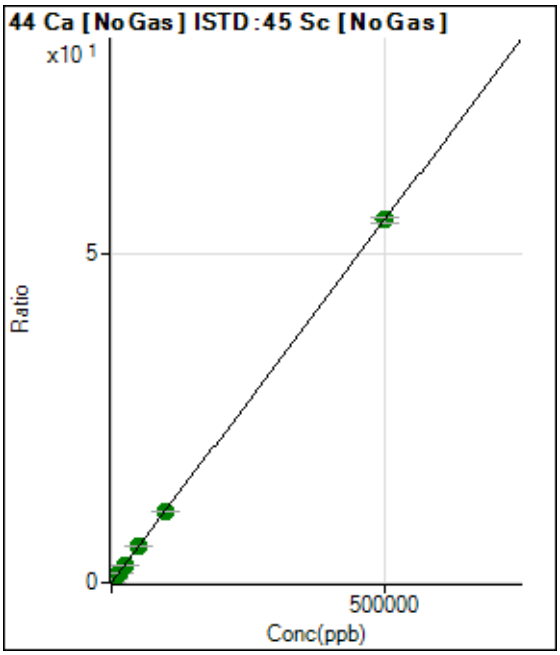
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 391.69 | 0.0001 | P | 10.3 |
| 2 | ☐ | 50.000 | | | | | |
| 3 | ☐ | 500.000 | 501.400 | 12080.74 | 0.0035 | P | 4.5 |
| 4 | ☐ | 5000.000 | 5106.636 | 118343.25 | 0.0348 | P | 2.2 |
| 5 | ☐ | 12500.000 | 12357.595 | 279647.63 | 0.0840 | P | 1.2 |
| 6 | ☐ | 25000.000 | 24791.548 | 538749.08 | 0.1685 | P | 1.2 |
| 7 | ☐ | 50000.000 | 50316.827 | 1004273.09 | 0.3419 | P | 1.3 |
| 8 | ☐ | 100000.00 | 98682.674 | 1935126.52 | 0.6704 | A | 1.5 |
| 9 | ☐ | 500000.00 | 500244.69 | 10075988.16 | 3.3977 | A | 1.8 |

y = 6.7918E-006 * x + 1.1858E-004
R = 1.0000
DL = 5.41
BEC = 17.46

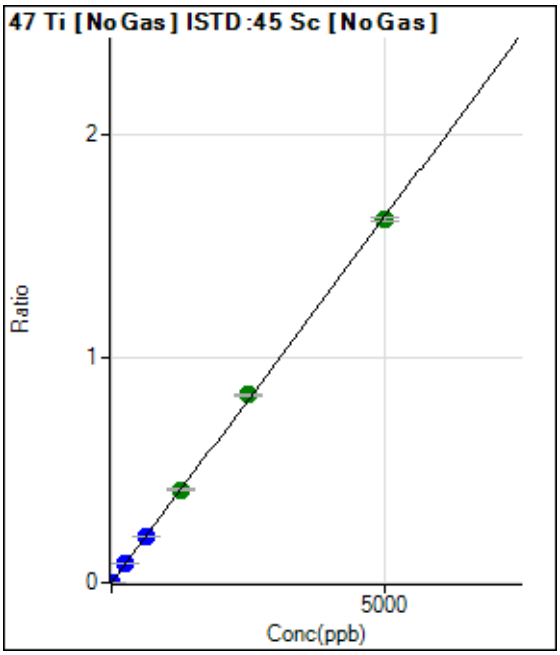
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 14555.46 | 0.0044 | P | 4.4 |
| 2 | ☐ | 50.000 | | | | | |
| 3 | ☐ | 500.000 | 493.940 | 201810.45 | 0.0589 | P | 3.7 |
| 4 | ☐ | 5000.000 | 5143.223 | 1943061.46 | 0.5714 | A | 1.6 |
| 5 | ☐ | 12500.000 | 12358.903 | 4547629.83 | 1.3669 | A | 1.9 |
| 6 | ☐ | 25000.000 | 24587.169 | 8680832.75 | 2.7150 | A | 0.9 |
| 7 | ☐ | 50000.000 | 49910.456 | 16177798.10 | 5.5067 | A | 1.0 |
| 8 | ☐ | 100000.00 | 98040.399 | 31213578.13 | 10.8128 | A | 1.0 |
| 9 | ☐ | 500000.00 | 500423.61 | 163619653.6 | 55.1730 | A | 1.4 |

y = 1.1024E-004 * x + 0.0044
R = 1.0000
DL = 5.243
BEC = 40.09

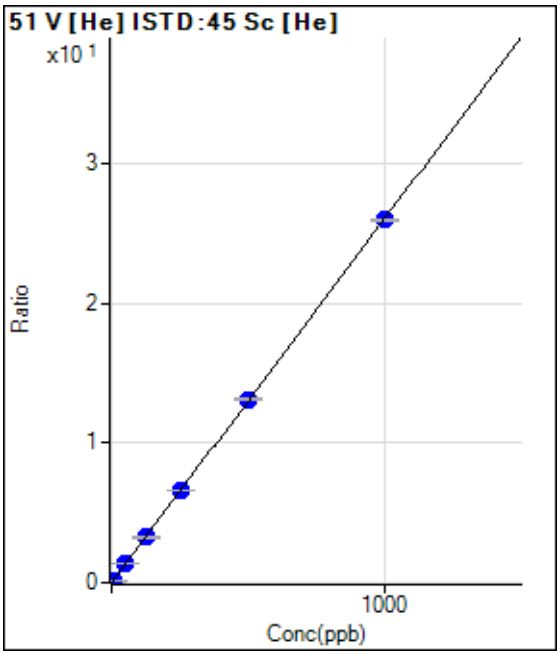
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 122.23 | 0.0000 | P | 30.0 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 5.098 | 5823.71 | 0.0017 | P | 4.0 |
| 4 | ☐ | 250.000 | 259.465 | 287688.08 | 0.0846 | P | 1.9 |
| 5 | ☐ | 625.000 | 628.087 | 681226.80 | 0.2048 | P | 1.9 |
| 6 | ☐ | 1250.000 | 1269.524 | 1323163.13 | 0.4138 | A | 1.4 |
| 7 | ☐ | 2500.000 | 2565.954 | 2457253.16 | 0.8364 | A | 0.5 |
| 8 | ☐ | 5000.000 | 4961.283 | 4668337.95 | 1.6172 | A | 0.9 |
| 9 | ☐ | | | 1586.28 | 0.0005 | P | 10.1 |

y = 3.2595E-004 * x + 3.6707E-005
R = 0.9999
DL = 0.1013
BEC = 0.1126

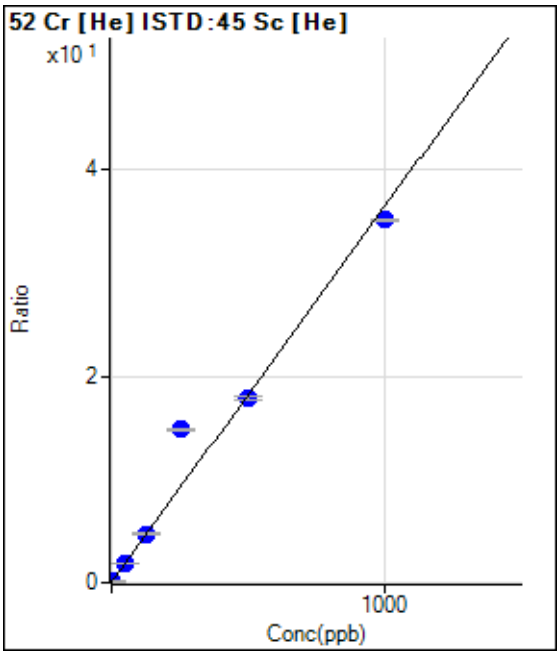
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 46.67 | 0.0017 | P | 38.1 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 4.919 | 3667.22 | 0.1299 | P | 6.5 |
| 4 | ☐ | 50.000 | 51.283 | 36269.40 | 1.3391 | P | 2.2 |
| 5 | ☐ | 125.000 | 124.809 | 85112.95 | 3.2566 | P | 1.5 |
| 6 | ☐ | 250.000 | 254.542 | 155223.50 | 6.6399 | P | 1.2 |
| 7 | ☐ | 500.000 | 502.658 | 280206.89 | 13.1106 | P | 1.0 |
| 8 | ☐ | 1000.000 | 997.495 | 542039.18 | 26.0156 | P | 0.7 |
| 9 | ☐ | | | 327.79 | 0.0142 | P | 21.8 |

y = 0.0261 * x + 0.0017
R = 1.0000
DL = 0.07278
BEC = 0.06375

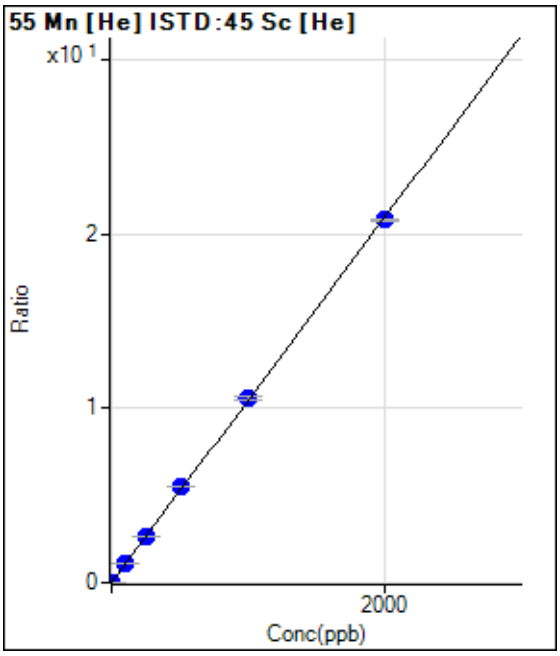
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 664.47 | 0.0236 | P | 5.2 |
| 2 | ☐ | 0.200 | | | | | |
| 3 | ☐ | 2.000 | 1.918 | 2635.85 | 0.0934 | P | 9.3 |
| 4 | ☐ | 50.000 | 49.870 | 49757.09 | 1.8371 | P | 2.1 |
| 5 | ☐ | 125.000 | 129.595 | 123787.09 | 4.7361 | P | 1.2 |
| 6 | ☐ | 250.000 | 407.513 | 346979.46 | 14.8420 | P | 0.9 |
| 7 | ☐ | 500.000 | 489.834 | 381167.02 | 17.8355 | P | 1.5 |
| 8 | ☐ | 1000.000 | 965.137 | 731711.94 | 35.1190 | P | 0.6 |
| 9 | ☐ | | | 44373.58 | 1.9152 | P | 1.8 |

y = 0.0364 * x + 0.0236
R = 0.9848
DL = 0.1014
BEC = 0.65

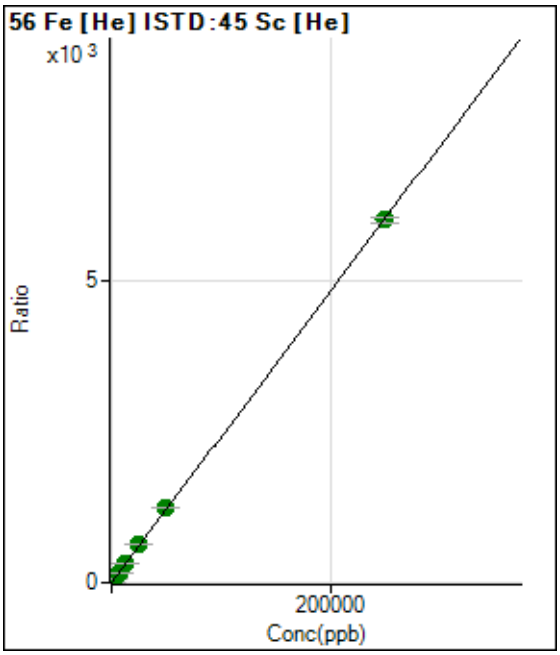
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 81.11 | 0.0029 | P | 21.4 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.909 | 350.01 | 0.0124 | P | 13.9 |
| 4 | ☐ | 100.000 | 105.185 | 29924.52 | 1.1048 | P | 2.1 |
| 5 | ☐ | 250.000 | 250.369 | 68621.86 | 2.6257 | P | 1.9 |
| 6 | ☐ | 500.000 | 527.195 | 129163.18 | 5.5256 | P | 1.7 |
| 7 | ☐ | 1000.000 | 1009.886 | 226148.25 | 10.5821 | P | 1.4 |
| 8 | ☐ | 2000.000 | 1987.953 | 433949.73 | 20.8279 | P | 0.9 |
| 9 | ☐ | | | 3849.49 | 0.1662 | P | 1.5 |

y = 0.0105 * x + 0.0029
R = 0.9999
DL = 0.1774
BEC = 0.2759

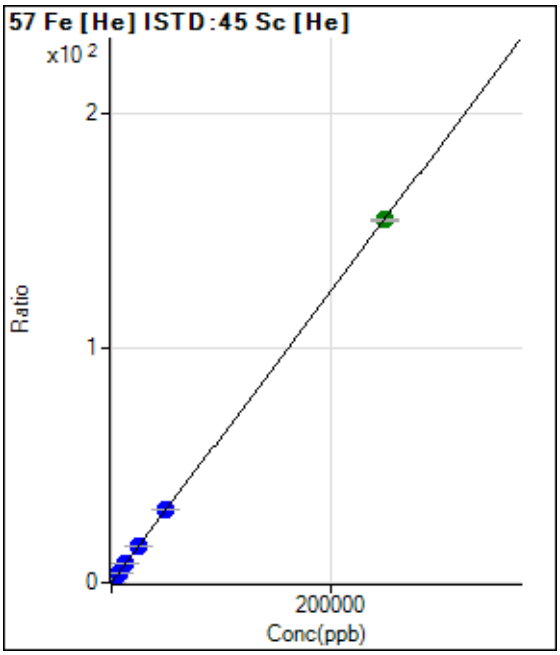
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1470.49 | 0.0523 | P | 10.1 |
| 2 | ☐ | 5.000 | | | | | |
| 3 | ☐ | 50.000 | 50.607 | 35783.44 | 1.2671 | P | 3.0 |
| 4 | ☐ | 2500.000 | 2675.054 | 1740646.16 | 64.2658 | A | 2.1 |
| 5 | ☐ | 6250.000 | 6473.170 | 4062402.55 | 155.4379 | A | 1.7 |
| 6 | ☐ | 12500.000 | 13624.977 | 7647248.26 | 327.1140 | A | 0.9 |
| 7 | ☐ | 25000.000 | 26006.524 | 13343257.36 | 624.3277 | A | 1.0 |
| 8 | ☐ | 50000.000 | 51231.512 | 25623910.76 | 1,229.842 | A | 0.7 |
| 9 | ☐ | 250000.00 | 249589.46 | 138814515.1 | 5,991.340 | A | 1.3 |

y = 0.0240 * x + 0.0523
R = 1.0000
DL = 0.658
BEC = 2.178

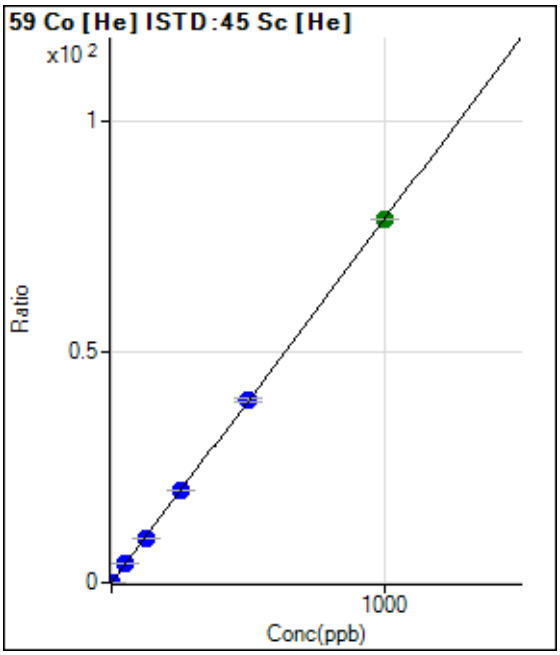
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 42.59 | 0.0015 | P | 28.3 |
| 2 | ☐ | 5.000 | | | | | |
| 3 | ☐ | 50.000 | 47.072 | 864.87 | 0.0307 | P | 10.5 |
| 4 | ☐ | 2500.000 | 2571.668 | 43159.99 | 1.5934 | P | 1.5 |
| 5 | ☐ | 6250.000 | 6280.133 | 101636.39 | 3.8889 | P | 1.7 |
| 6 | ☐ | 12500.000 | 13468.749 | 194930.59 | 8.3386 | P | 1.2 |
| 7 | ☐ | 25000.000 | 25462.458 | 336868.74 | 15.7626 | P | 1.1 |
| 8 | ☐ | 50000.000 | 50415.692 | 650234.61 | 31.2085 | P | 0.7 |
| 9 | ☐ | 250000.00 | 249820.70 | 3582968.66 | 154.6388 | A | 0.8 |

y = 6.1899E-004 * x + 0.0015
R = 1.0000
DL = 2.082
BEC = 2.453

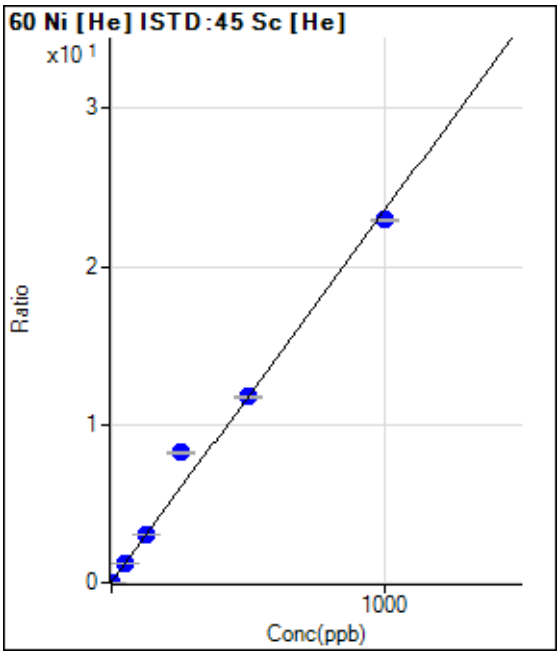
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 325.57 | 0.0116 | P | 10.9 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.921 | 2376.92 | 0.0842 | P | 4.8 |
| 4 | ☐ | 50.000 | 50.809 | 108850.70 | 4.0187 | P | 1.8 |
| 5 | ☐ | 125.000 | 122.649 | 253120.66 | 9.6845 | P | 1.2 |
| 6 | ☐ | 250.000 | 253.512 | 467657.29 | 20.0051 | P | 1.3 |
| 7 | ☐ | 500.000 | 502.638 | 847401.84 | 39.6527 | P | 1.5 |
| 8 | ☐ | 1000.000 | 998.056 | 1640280.08 | 78.7243 | A | 0.2 |
| 9 | ☐ | | | 22735.41 | 0.9811 | P | 1.6 |

y = 0.0789 * x + 0.0116
R = 1.0000
DL = 0.04825
BEC = 0.147

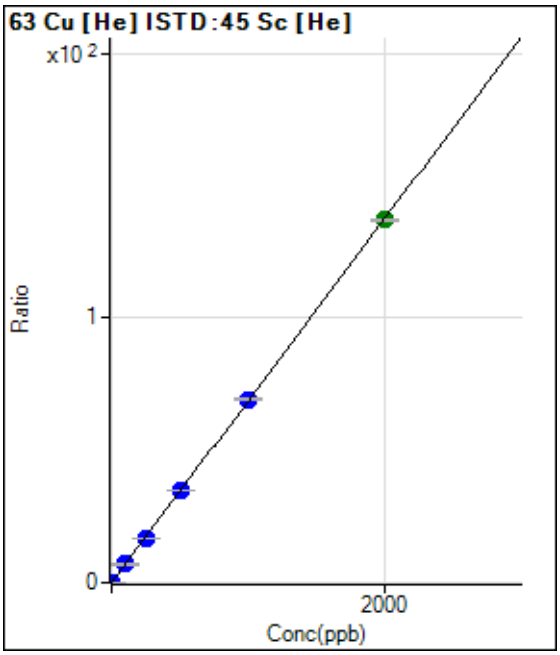
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 582.25 | 0.0207 | P | 8.5 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.970 | 1227.86 | 0.0435 | P | 9.8 |
| 4 | ☐ | 50.000 | 50.059 | 32439.07 | 1.1976 | P | 1.9 |
| 5 | ☐ | 125.000 | 127.787 | 79056.07 | 3.0250 | P | 2.1 |
| 6 | ☐ | 250.000 | 349.857 | 192770.69 | 8.2459 | P | 1.2 |
| 7 | ☐ | 500.000 | 498.757 | 251042.85 | 11.7466 | P | 1.2 |
| 8 | ☐ | 1000.000 | 975.306 | 478176.46 | 22.9504 | P | 0.6 |
| 9 | ☐ | | | 23241.80 | 1.0030 | P | 1.0 |

y = 0.0235 * x + 0.0207
R = 0.9940
DL = 0.2257
BEC = 0.8814

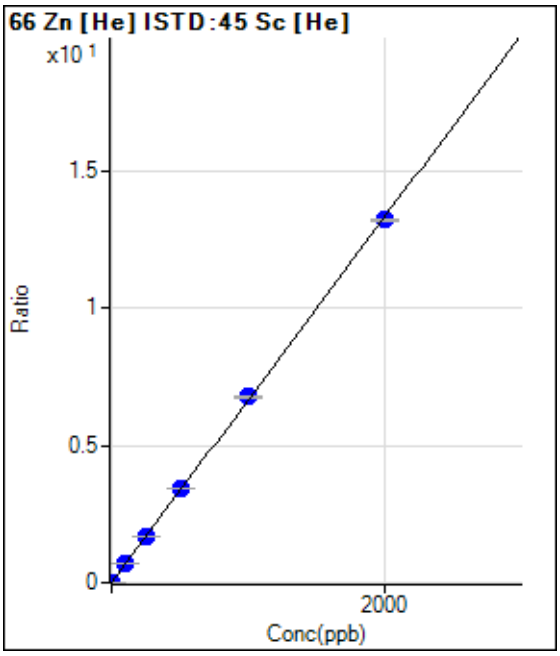
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 484.46 | 0.0172 | P | 2.7 |
| 2 | ☐ | 0.200 | | | | | |
| 3 | ☐ | 2.000 | 1.895 | 4161.81 | 0.1474 | P | 3.0 |
| 4 | ☐ | 100.000 | 101.240 | 188834.75 | 6.9720 | P | 2.2 |
| 5 | ☐ | 250.000 | 245.345 | 440953.13 | 16.8715 | P | 1.6 |
| 6 | ☐ | 500.000 | 507.350 | 815181.18 | 34.8703 | P | 1.0 |
| 7 | ☐ | 1000.000 | 1007.605 | 1479603.48 | 69.2358 | P | 1.6 |
| 8 | ☐ | 2000.000 | 1994.880 | 2855637.70 | 137.0578 | A | 0.6 |
| 9 | ☐ | | | 7469.91 | 0.3224 | P | 1.4 |

y = 0.0687 * x + 0.0172
R = 1.0000
DL = 0.02025
BEC = 0.2509

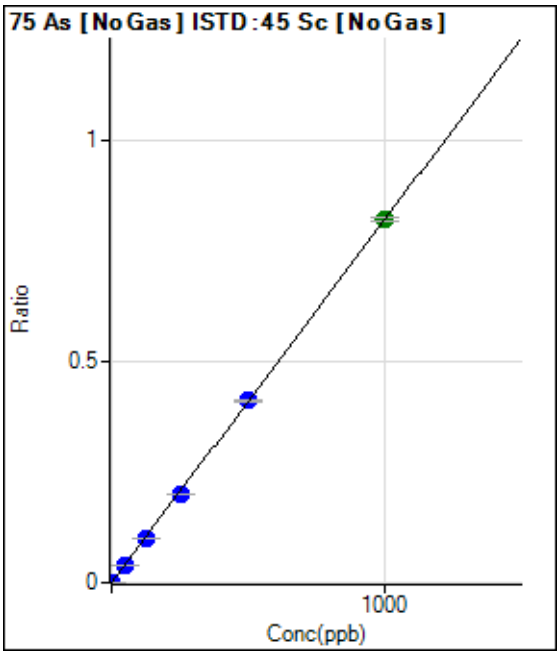
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 116.67 | 0.0042 | P | 32.8 |
| 2 | ☐ | 0.200 | | | | | |
| 3 | ☐ | 2.000 | 1.798 | 454.46 | 0.0161 | P | 9.0 |
| 4 | ☐ | 100.000 | 103.173 | 18690.58 | 0.6900 | P | 1.6 |
| 5 | ☐ | 250.000 | 250.161 | 43567.17 | 1.6670 | P | 2.2 |
| 6 | ☐ | 500.000 | 516.372 | 80340.75 | 3.4366 | P | 1.0 |
| 7 | ☐ | 1000.000 | 1019.716 | 144949.52 | 6.7825 | P | 1.2 |
| 8 | ☐ | 2000.000 | 1985.870 | 275125.14 | 13.2047 | P | 0.5 |
| 9 | ☐ | | | 2445.81 | 0.1056 | P | 8.2 |

y = 0.0066 * x + 0.0042
R = 0.9999
DL = 0.6149
BEC = 0.6254

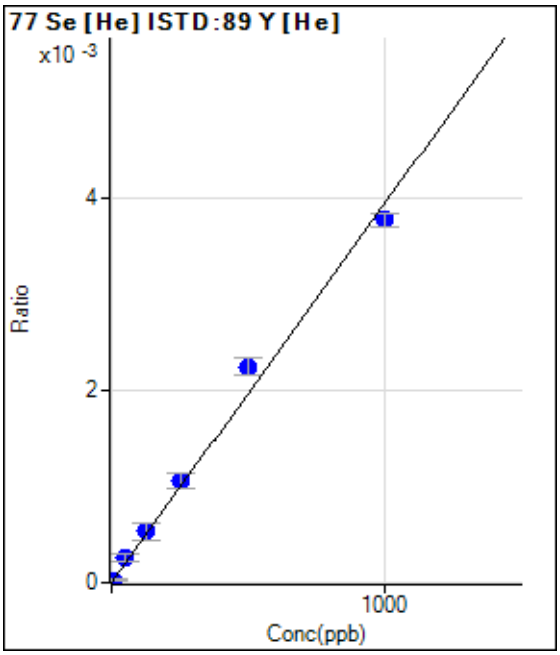
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 300.02 | 0.0001 | P | 19.9 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.929 | 2925.46 | 0.0009 | P | 7.0 |
| 4 | ☐ | 50.000 | 48.933 | 136885.68 | 0.0403 | P | 1.7 |
| 5 | ☐ | 125.000 | 121.013 | 330749.09 | 0.0994 | P | 2.4 |
| 6 | ☐ | 250.000 | 245.040 | 643392.94 | 0.2012 | P | 0.4 |
| 7 | ☐ | 500.000 | 503.174 | 1213601.44 | 0.4131 | P | 1.0 |
| 8 | ☐ | 1000.000 | 1000.205 | 2370270.41 | 0.8211 | A | 0.9 |
| 9 | ☐ | | | 3725.67 | 0.0013 | P | 3.0 |

y = 8.2083E-004 * x + 9.1539E-005
R = 1.0000
DL = 0.06654
BEC = 0.1115

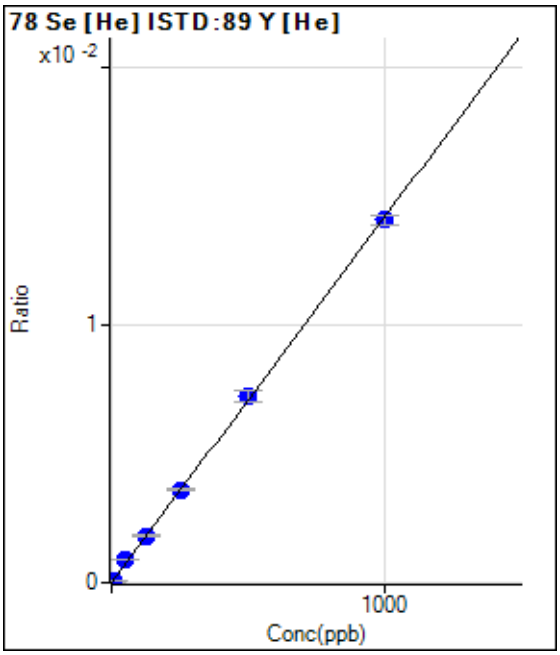
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 0.00 | 0.0000 | P | |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 6.754 | 5.55 | 0.0000 | P | 124.5 |
| 4 | ☐ | 50.000 | 65.287 | 52.22 | 0.0003 | P | 29.2 |
| 5 | ☐ | 125.000 | 136.009 | 105.56 | 0.0005 | P | 32.5 |
| 6 | ☐ | 250.000 | 268.870 | 192.23 | 0.0011 | P | 15.4 |
| 7 | ☐ | 500.000 | 570.277 | 375.57 | 0.0022 | P | 8.4 |
| 8 | ☐ | 1000.000 | 957.995 | 615.58 | 0.0038 | P | 3.8 |
| 9 | ☐ | | | 1.11 | 0.0000 | P | 173.2 |

y = 3.9362E-006 * x + 0.0000E+000
R = 0.9960
DL = 0
BEC = 0

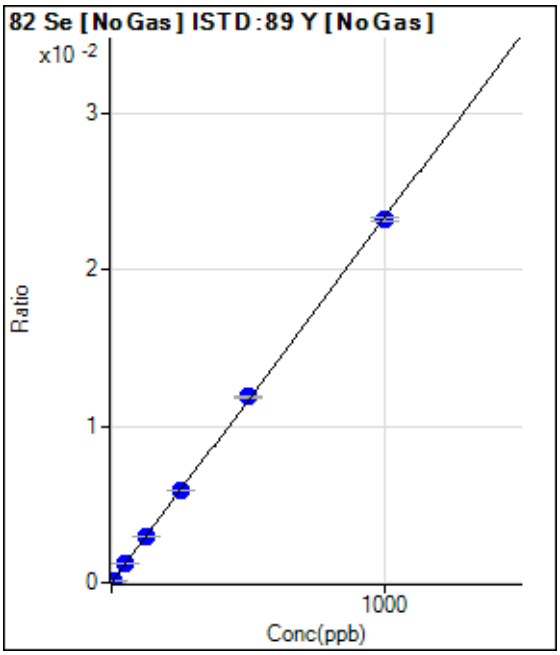
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 0.62 | 0.0000 | P | 173.2 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 3.754 | 11.73 | 0.0001 | P | 63.7 |
| 4 | ☐ | 50.000 | 60.768 | 175.93 | 0.0009 | P | 1.3 |
| 5 | ☐ | 125.000 | 127.136 | 356.18 | 0.0018 | P | 3.8 |
| 6 | ☐ | 250.000 | 254.654 | 656.81 | 0.0036 | P | 3.7 |
| 7 | ☐ | 500.000 | 509.907 | 1210.56 | 0.0072 | P | 5.4 |
| 8 | ☐ | 1000.000 | 993.084 | 2299.60 | 0.0141 | P | 2.9 |
| 9 | ☐ | | | 3.70 | 0.0000 | P | 50.3 |

y = 1.4183E-005 * x + 3.0018E-006
R = 0.9999
DL = 1.1
BEC = 0.2116

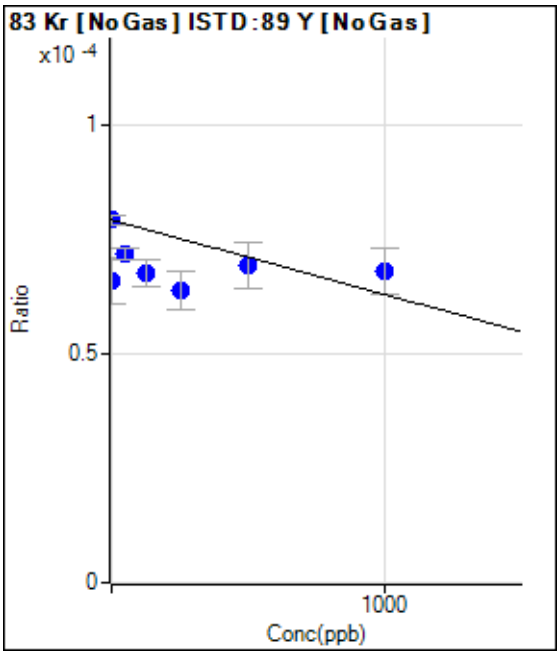
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | -50.95 | 0.0000 | P | -106. |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 5.857 | 764.74 | 0.0001 | P | 6.1 |
| 4 | ☐ | 50.000 | 52.451 | 7335.26 | 0.0012 | P | 2.5 |
| 5 | ☐ | 125.000 | 127.550 | 17859.89 | 0.0030 | P | 0.7 |
| 6 | ☐ | 250.000 | 252.786 | 34628.56 | 0.0059 | P | 2.0 |
| 7 | ☐ | 500.000 | 509.029 | 66804.83 | 0.0119 | P | 0.3 |
| 8 | ☐ | 1000.000 | 994.343 | 128430.67 | 0.0232 | P | 1.0 |
| 9 | ☐ | | | 68.72 | 0.0000 | P | 41.9 |

y = 2.3320E-005 * x - 8.5021E-006
R = 0.9999
DL = 1.16
BEC = -0.3646

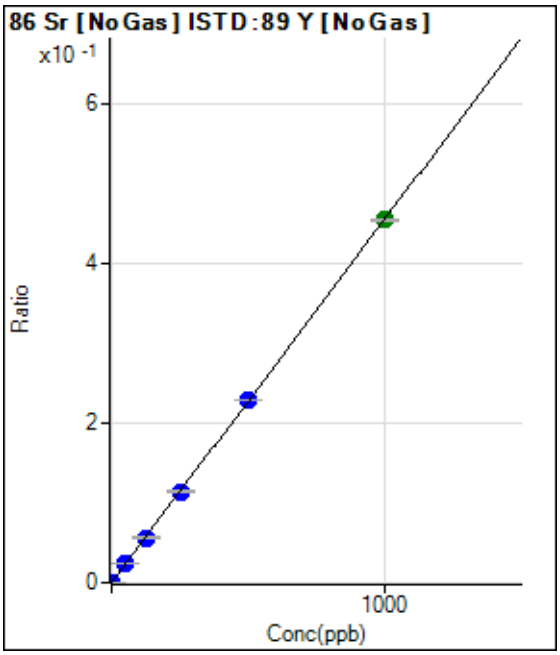
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 460.02 | 0.0001 | P | 2.8 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 804.443 | 393.35 | 0.0001 | P | 15.2 |
| 4 | ☐ | 50.000 | 450.966 | 434.46 | 0.0001 | P | 3.2 |
| 5 | ☐ | 125.000 | 709.918 | 407.79 | 0.0001 | P | 8.4 |
| 6 | ☐ | 250.000 | 937.010 | 376.68 | 0.0001 | P | 13.3 |
| 7 | ☐ | 500.000 | 602.054 | 391.12 | 0.0001 | P | 14.6 |
| 8 | ☐ | 1000.000 | 683.254 | 377.79 | 0.0001 | P | 15.0 |
| 9 | ☐ | | | 400.01 | 0.0001 | P | 3.1 |

y = -1.6293E-008 * x + 7.9289E-005
R = -0.2673
DL = -410
BEC = -4867

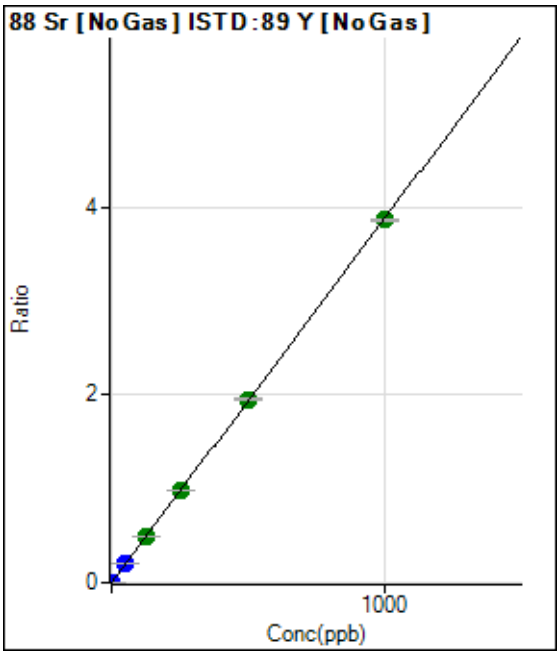
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 647.27 | 0.0001 | P | 14.3 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.075 | 3581.17 | 0.0006 | P | 3.3 |
| 4 | ☐ | 50.000 | 51.091 | 141080.35 | 0.0234 | P | 0.4 |
| 5 | ☐ | 125.000 | 124.213 | 341014.48 | 0.0566 | P | 1.0 |
| 6 | ☐ | 250.000 | 249.731 | 669158.70 | 0.1137 | P | 1.3 |
| 7 | ☐ | 500.000 | 502.008 | 1287111.98 | 0.2285 | P | 0.1 |
| 8 | ☐ | 1000.000 | 999.107 | 2519612.25 | 0.4547 | A | 0.6 |
| 9 | ☐ | | | 12753.75 | 0.0023 | P | 6.1 |

y = 4.5504E-004 * x + 1.1168E-004
R = 1.0000
DL = 0.1054
BEC = 0.2454

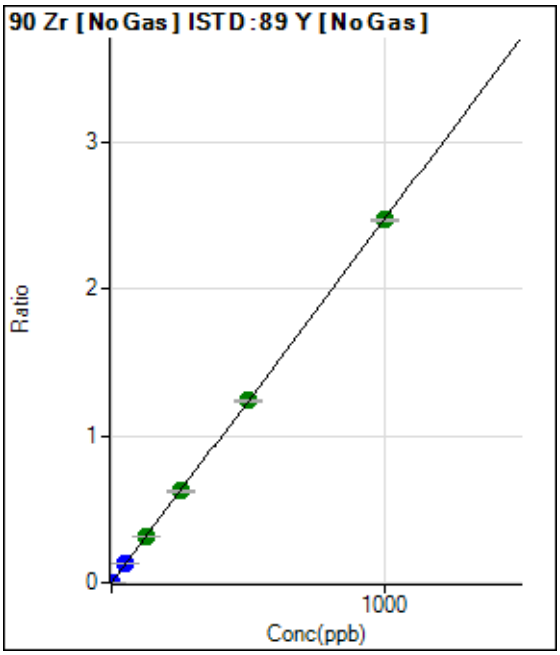
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 163.90 | 0.0000 | P | 2.3 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.032 | 24005.31 | 0.0040 | P | 4.8 |
| 4 | ☐ | 50.000 | 51.921 | 1216222.39 | 0.2014 | P | 0.8 |
| 5 | ☐ | 125.000 | 126.903 | 2963600.91 | 0.4922 | A | 1.2 |
| 6 | ☐ | 250.000 | 253.161 | 5775947.79 | 0.9818 | A | 0.9 |
| 7 | ☐ | 500.000 | 504.333 | 11015034.62 | 1.9559 | A | 0.4 |
| 8 | ☐ | 1000.000 | 996.709 | 21417021.14 | 3.8654 | A | 0.7 |
| 9 | ☐ | | | 104808.82 | 0.0187 | P | 0.6 |

y = 0.0039 * x + 2.8245E-005
R = 1.0000
DL = 0.0004957
BEC = 0.007283

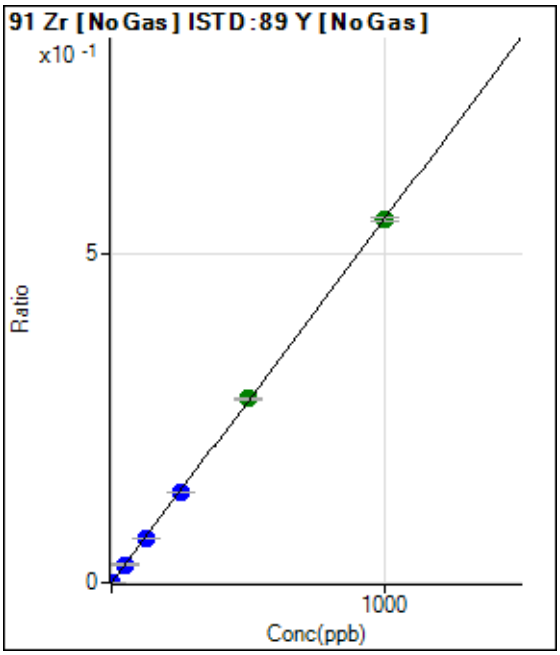
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 500.03 | 0.0001 | P | 8.1 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.940 | 14363.69 | 0.0024 | P | 1.9 |
| 4 | ☐ | 50.000 | 50.647 | 756807.46 | 0.1253 | P | 0.8 |
| 5 | ☐ | 125.000 | 126.029 | 1876874.80 | 0.3117 | A | 0.9 |
| 6 | ☐ | 250.000 | 251.803 | 3663110.06 | 0.6227 | A | 0.9 |
| 7 | ☐ | 500.000 | 501.812 | 6987868.04 | 1.2408 | A | 0.7 |
| 8 | ☐ | 1000.000 | 998.482 | 13679322.01 | 2.4688 | A | 0.5 |
| 9 | ☐ | | | 5534.74 | 0.0010 | P | 2.9 |

y = 0.0025 * x + 8.6084E-005
R = 1.0000
DL = 0.008435
BEC = 0.03482

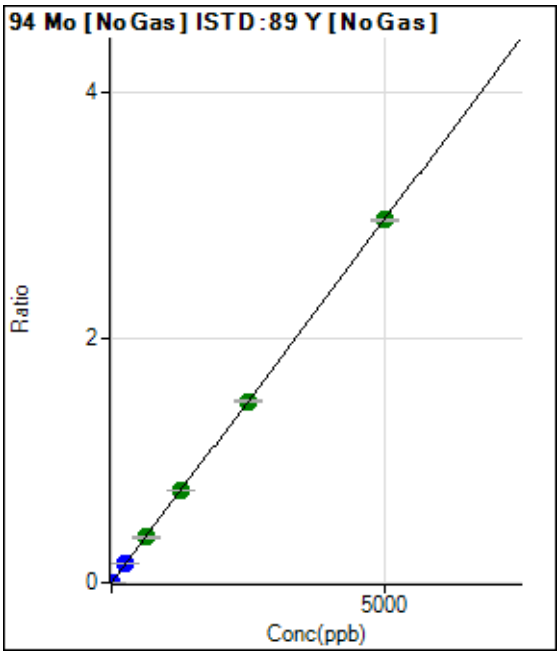
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 119.45 | 0.0000 | P | 36.5 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.994 | 3392.25 | 0.0006 | P | 5.0 |
| 4 | ☐ | 50.000 | 50.133 | 167217.20 | 0.0277 | P | 0.8 |
| 5 | ☐ | 125.000 | 123.002 | 408876.70 | 0.0679 | P | 1.1 |
| 6 | ☐ | 250.000 | 248.061 | 805491.85 | 0.1369 | P | 0.7 |
| 7 | ☐ | 500.000 | 505.735 | 1571956.20 | 0.2791 | A | 0.9 |
| 8 | ☐ | 1000.000 | 997.860 | 3051309.46 | 0.5507 | A | 1.1 |
| 9 | ☐ | | | 1239.00 | 0.0002 | P | 10.6 |

y = 5.5188E-004 * x + 2.0769E-005
R = 1.0000
DL = 0.0412
BEC = 0.03763

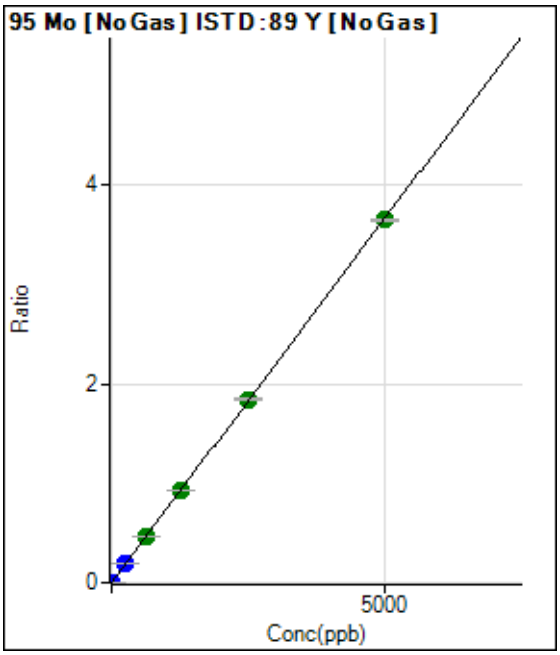
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 405.58 | 0.0001 | P | 2.5 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 4.911 | 17770.63 | 0.0030 | P | 3.3 |
| 4 | ☐ | 250.000 | 255.114 | 914245.74 | 0.1514 | P | 0.9 |
| 5 | ☐ | 625.000 | 624.855 | 2232055.80 | 0.3707 | A | 1.1 |
| 6 | ☐ | 1250.000 | 1264.741 | 4413366.38 | 0.7502 | A | 1.1 |
| 7 | ☐ | 2500.000 | 2501.706 | 8356617.11 | 1.4839 | A | 1.1 |
| 8 | ☐ | 5000.000 | 4995.224 | 16416233.70 | 2.9628 | A | 0.6 |
| 9 | ☐ | | | 23671.50 | 0.0042 | P | 4.4 |

y = 5.9312E-004 * x + 6.9895E-005
R = 1.0000
DL = 0.008726
BEC = 0.1178

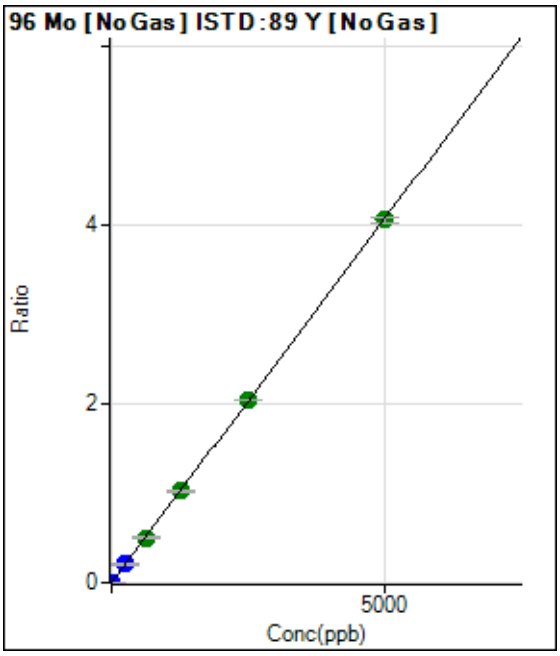
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 422.25 | 0.0001 | P | 11.6 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 5.121 | 22742.17 | 0.0038 | P | 5.9 |
| 4 | ☐ | 250.000 | 253.054 | 1118158.94 | 0.1851 | P | 0.9 |
| 5 | ☐ | 625.000 | 628.217 | 2767035.87 | 0.4595 | A | 1.0 |
| 6 | ☐ | 1250.000 | 1271.449 | 5470852.59 | 0.9300 | A | 1.2 |
| 7 | ☐ | 2500.000 | 2517.121 | 10367725.49 | 1.8410 | A | 1.0 |
| 8 | ☐ | 5000.000 | 4985.522 | 20202975.45 | 3.6463 | A | 0.8 |
| 9 | ☐ | | | 38179.71 | 0.0068 | P | 1.9 |

y = 7.3136E-004 * x + 7.2730E-005
R = 1.0000
DL = 0.03449
BEC = 0.09944

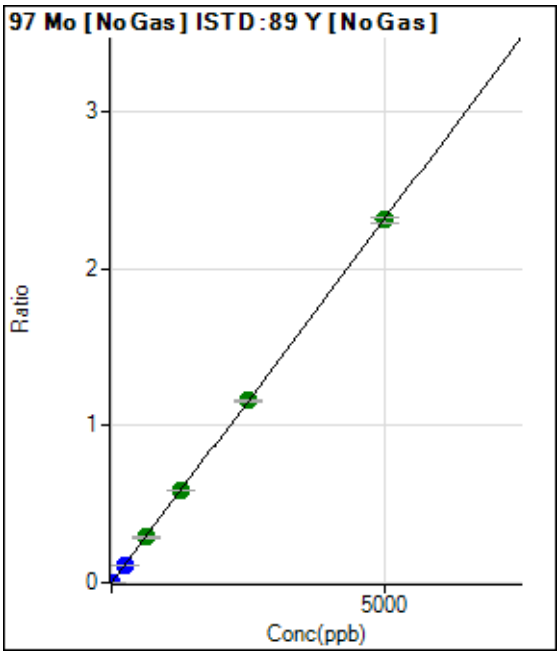
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 516.70 | 0.0001 | P | 5.9 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 5.040 | 24996.16 | 0.0042 | P | 0.7 |
| 4 | ☐ | 250.000 | 252.309 | 1241353.95 | 0.2055 | P | 1.1 |
| 5 | ☐ | 625.000 | 621.143 | 3046176.87 | 0.5059 | A | 1.3 |
| 6 | ☐ | 1250.000 | 1262.462 | 6048305.95 | 1.0281 | A | 1.2 |
| 7 | ☐ | 2500.000 | 2516.768 | 11542238.63 | 2.0495 | A | 0.6 |
| 8 | ☐ | 5000.000 | 4988.867 | 22508897.55 | 4.0626 | A | 1.3 |
| 9 | ☐ | | | 43016.48 | 0.0077 | P | 2.4 |

y = 8.1431E-004 * x + 8.8920E-005
R = 1.0000
DL = 0.01918
BEC = 0.1092

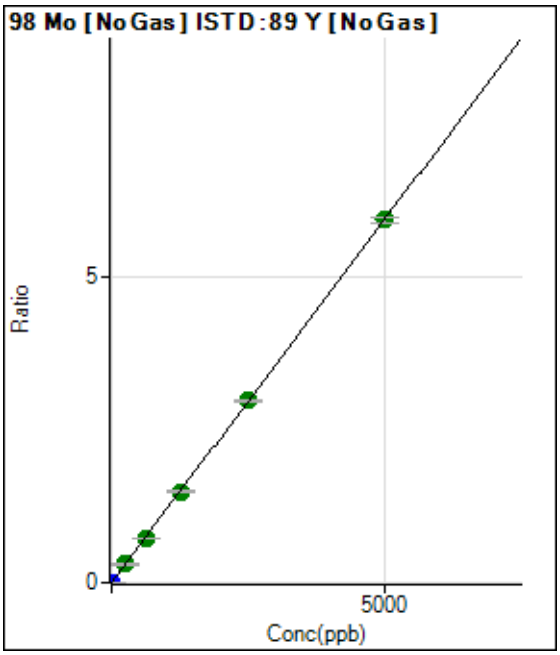
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 252.79 | 0.0000 | P | 12.0 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 5.017 | 14091.25 | 0.0024 | P | 2.0 |
| 4 | ☐ | 250.000 | 249.364 | 696909.86 | 0.1154 | P | 1.0 |
| 5 | ☐ | 625.000 | 621.640 | 1731837.12 | 0.2876 | A | 0.9 |
| 6 | ☐ | 1250.000 | 1274.620 | 3468947.26 | 0.5897 | A | 1.0 |
| 7 | ☐ | 2500.000 | 2507.462 | 6532555.92 | 1.1600 | A | 0.7 |
| 8 | ☐ | 5000.000 | 4990.566 | 12790961.40 | 2.3086 | A | 1.4 |
| 9 | ☐ | | | 23958.33 | 0.0043 | P | 5.6 |

y = 4.6259E-004 * x + 4.3638E-005
R = 1.0000
DL = 0.03391
BEC = 0.09434

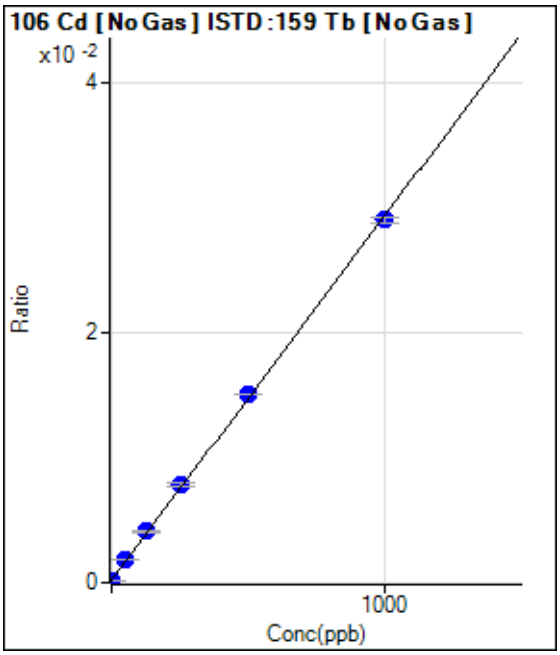
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 633.38 | 0.0001 | P | 11.6 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 5.030 | 36324.48 | 0.0061 | P | 3.8 |
| 4 | ☐ | 250.000 | 251.565 | 1809269.38 | 0.2996 | A | 1.8 |
| 5 | ☐ | 625.000 | 614.727 | 4407053.48 | 0.7319 | A | 1.6 |
| 6 | ☐ | 1250.000 | 1252.910 | 8774840.12 | 1.4916 | A | 1.8 |
| 7 | ☐ | 2500.000 | 2505.965 | 16800864.26 | 2.9833 | A | 0.9 |
| 8 | ☐ | 5000.000 | 4997.496 | 32962105.95 | 5.9493 | A | 1.5 |
| 9 | ☐ | | | 61437.23 | 0.0110 | P | 2.2 |

y = 0.0012 * x + 1.0900E-004
R = 1.0000
DL = 0.03185
BEC = 0.09156

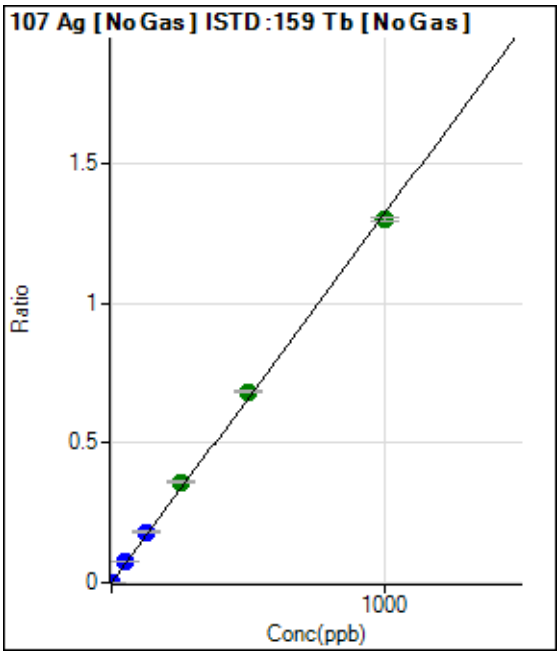
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1358.46 | 0.0002 | P | 11.2 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.099 | 1630.73 | 0.0002 | P | 3.1 |
| 4 | ☐ | 50.000 | 56.514 | 14202.54 | 0.0018 | P | 1.6 |
| 5 | ☐ | 125.000 | 134.200 | 31955.58 | 0.0041 | P | 3.2 |
| 6 | ☐ | 250.000 | 264.199 | 62786.19 | 0.0079 | P | 3.5 |
| 7 | ☐ | 500.000 | 510.504 | 119818.06 | 0.0150 | P | 0.8 |
| 8 | ☐ | 1000.000 | 989.722 | 234013.37 | 0.0290 | P | 1.3 |
| 9 | ☐ | | | 1214.00 | 0.0002 | P | 10.4 |

y = 2.9119E-005 * x + 1.8372E-004
R = 0.9998
DL = 2.115
BEC = 6.309

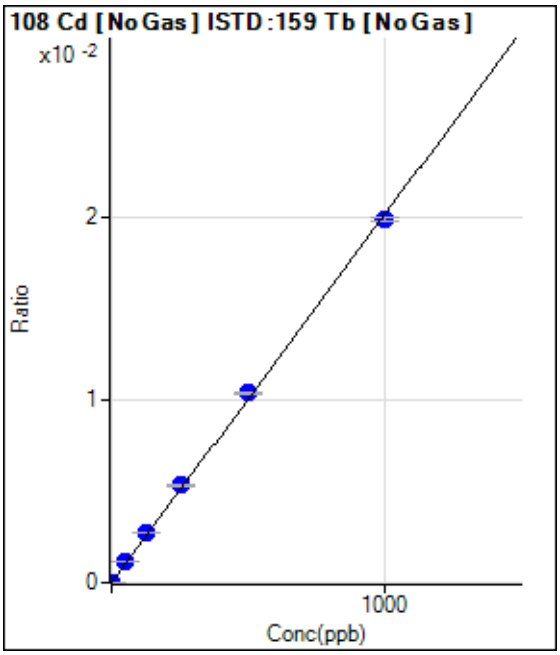
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 88.89 | 0.0000 | P | 9.6 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.187 | 11930.80 | 0.0016 | P | 6.7 |
| 4 | ☐ | 50.000 | 57.165 | 586693.37 | 0.0756 | P | 1.1 |
| 5 | ☐ | 125.000 | 138.113 | 1426128.58 | 0.1826 | P | 1.1 |
| 6 | ☐ | 250.000 | 273.191 | 2878918.95 | 0.3611 | A | 2.6 |
| 7 | ☐ | 500.000 | 517.274 | 5444200.42 | 0.6838 | A | 0.8 |
| 8 | ☐ | 1000.000 | 983.568 | 10490503.71 | 1.3002 | A | 1.2 |
| 9 | ☐ | | | 1405.70 | 0.0002 | P | 6.5 |

y = 0.0013 * x + 1.2050E-005
R = 0.9994
DL = 0.002619
BEC = 0.009116

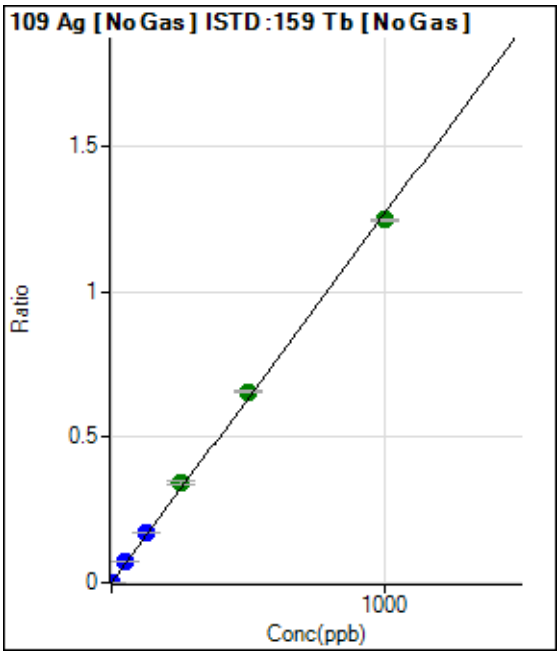
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Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 13.89 | 0.0000 | P | 94.1 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.254 | 204.17 | 0.0000 | P | 27.9 |
| 4 | ☐ | 50.000 | 57.122 | 8950.35 | 0.0012 | P | 2.4 |
| 5 | ☐ | 125.000 | 136.056 | 21429.83 | 0.0027 | P | 1.5 |
| 6 | ☐ | 250.000 | 264.569 | 42520.03 | 0.0053 | P | 2.1 |
| 7 | ☐ | 500.000 | 516.012 | 82805.04 | 0.0104 | P | 1.1 |
| 8 | ☐ | 1000.000 | 986.613 | 160434.84 | 0.0199 | P | 1.1 |
| 9 | ☐ | | | 48.61 | 0.0000 | P | 25.3 |

y = 2.0152E-005 * x + 1.8356E-006
R = 0.9997
DL = 0.2572
BEC = 0.09109

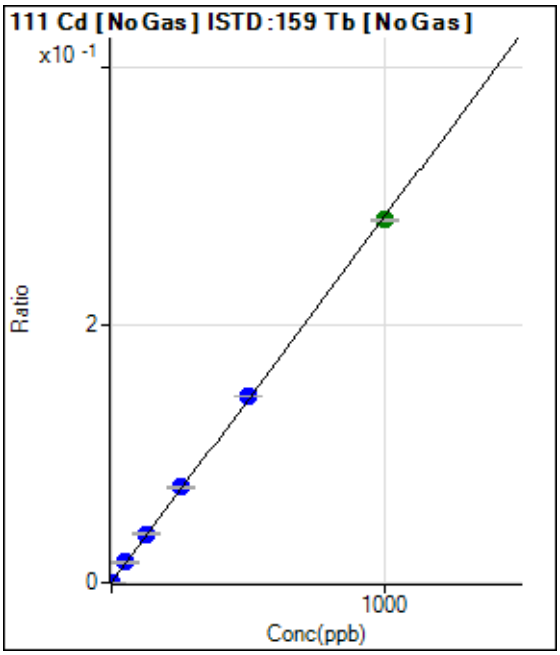
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 41.67 | 0.0000 | P | 53.2 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.219 | 11716.70 | 0.0016 | P | 4.2 |
| 4 | ☐ | 50.000 | 56.980 | 560829.33 | 0.0723 | P | 2.1 |
| 5 | ☐ | 125.000 | 136.877 | 1355622.17 | 0.1736 | P | 1.2 |
| 6 | ☐ | 250.000 | 271.590 | 2744794.68 | 0.3444 | A | 3.4 |
| 7 | ☐ | 500.000 | 517.952 | 5228797.99 | 0.6567 | A | 0.6 |
| 8 | ☐ | 1000.000 | 983.793 | 10064685.21 | 1.2474 | A | 0.7 |
| 9 | ☐ | | | 1414.03 | 0.0002 | P | 8.0 |

y = 0.0013 * x + 5.6701E-006
R = 0.9995
DL = 0.007137
BEC = 0.004472

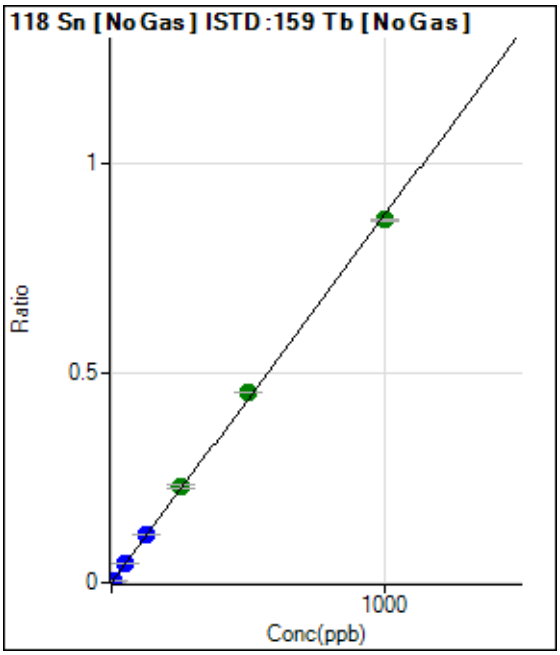
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1095.37 | 0.0001 | P | 10.7 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.054 | 3380.80 | 0.0004 | P | 4.9 |
| 4 | ☐ | 50.000 | 55.348 | 123163.28 | 0.0159 | P | 2.5 |
| 5 | ☐ | 125.000 | 133.338 | 296951.00 | 0.0380 | P | 1.2 |
| 6 | ☐ | 250.000 | 261.032 | 592157.25 | 0.0743 | P | 2.7 |
| 7 | ☐ | 500.000 | 509.433 | 1153120.51 | 0.1448 | P | 0.8 |
| 8 | ☐ | 1000.000 | 991.216 | 2272720.24 | 0.2817 | A | 0.4 |
| 9 | ☐ | | | 1272.73 | 0.0002 | P | 10.6 |

y = 2.8401E-004 * x + 1.4823E-004
R = 0.9999
DL = 0.1681
BEC = 0.5219

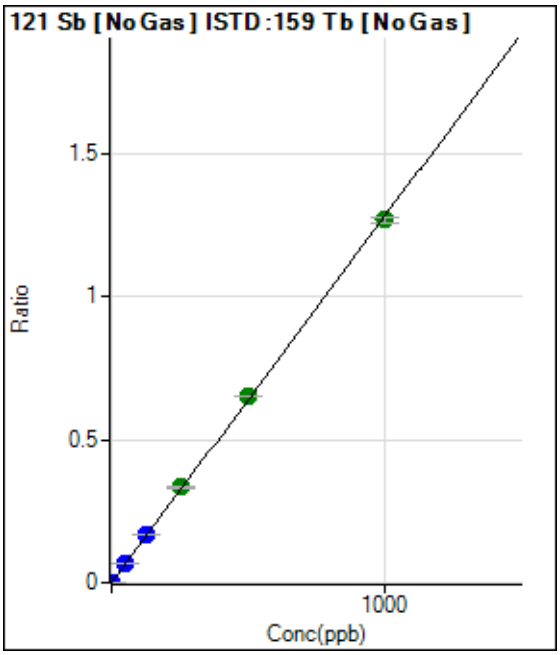
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 819.51 | 0.0001 | P | 1.7 |
| 2 | ☐ | 0.500 | | | | | |
| 3 | ☐ | 5.000 | 5.555 | 37576.09 | 0.0050 | P | 3.1 |
| 4 | ☐ | 50.000 | 54.046 | 368251.67 | 0.0474 | P | 1.4 |
| 5 | ☐ | 125.000 | 132.181 | 904968.57 | 0.1159 | P | 1.6 |
| 6 | ☐ | 250.000 | 262.120 | 1830427.24 | 0.2296 | A | 3.6 |
| 7 | ☐ | 500.000 | 517.791 | 3611054.64 | 0.4535 | A | 0.6 |
| 8 | ☐ | 1000.000 | 986.972 | 6974608.84 | 0.8644 | A | 0.8 |
| 9 | ☐ | | | 17406.54 | 0.0022 | P | 0.8 |

y = 8.7570E-004 * x + 1.1077E-004
R = 0.9997
DL = 0.006325
BEC = 0.1265

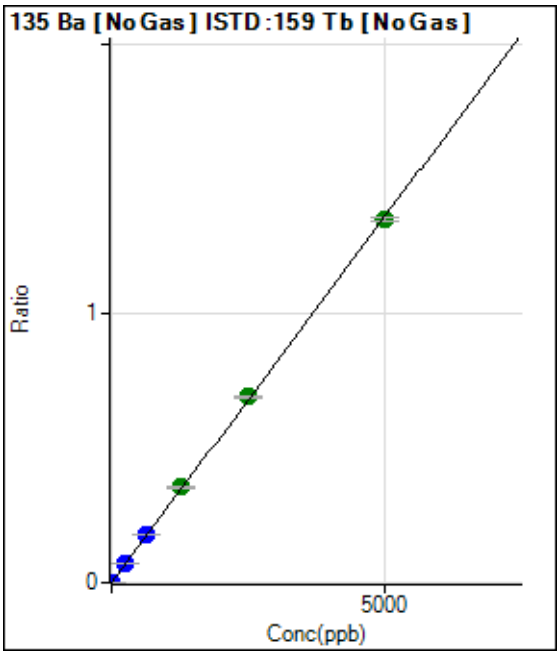
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 130.56 | 0.0000 | P | 12.9 |
| 2 | ☐ | 0.200 | | | | | |
| 3 | ☐ | 2.000 | 2.151 | 20908.85 | 0.0028 | P | 1.1 |
| 4 | ☐ | 50.000 | 53.271 | 528930.25 | 0.0681 | P | 1.1 |
| 5 | ☐ | 125.000 | 131.063 | 1309145.55 | 0.1676 | P | 1.7 |
| 6 | ☐ | 250.000 | 261.456 | 2665651.73 | 0.3343 | A | 1.8 |
| 7 | ☐ | 500.000 | 510.290 | 5195456.02 | 0.6525 | A | 0.6 |
| 8 | ☐ | 1000.000 | 991.069 | 10225160.73 | 1.2673 | A | 1.3 |
| 9 | ☐ | | | 27824.49 | 0.0035 | P | 3.7 |

y = 0.0013 * x + 1.7662E-005
R = 0.9998
DL = 0.005344
BEC = 0.01381

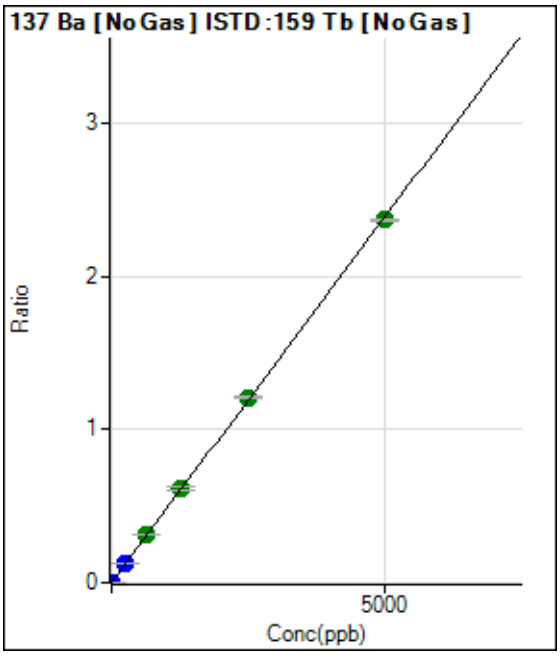
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 269.46 | 0.0000 | P | 20.2 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 10.000 | 10.629 | 22055.43 | 0.0029 | P | 2.6 |
| 4 | ☐ | 250.000 | 267.858 | 564410.75 | 0.0727 | P | 1.6 |
| 5 | ☐ | 625.000 | 652.668 | 1383430.37 | 0.1771 | P | 1.1 |
| 6 | ☐ | 1250.000 | 1304.722 | 2822442.25 | 0.3540 | A | 2.3 |
| 7 | ☐ | 2500.000 | 2539.900 | 5486759.02 | 0.6891 | A | 0.9 |
| 8 | ☐ | 5000.000 | 4962.017 | 10862742.26 | 1.3463 | A | 0.9 |
| 9 | ☐ | | | 2883.79 | 0.0004 | P | 5.9 |

y = 2.7131E-004 * x + 3.6314E-005
R = 0.9999
DL = 0.08114
BEC = 0.1338

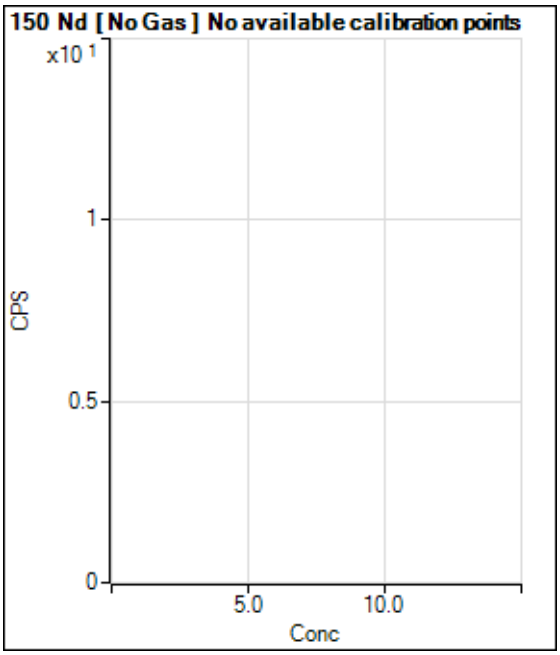
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Min Conc: 0



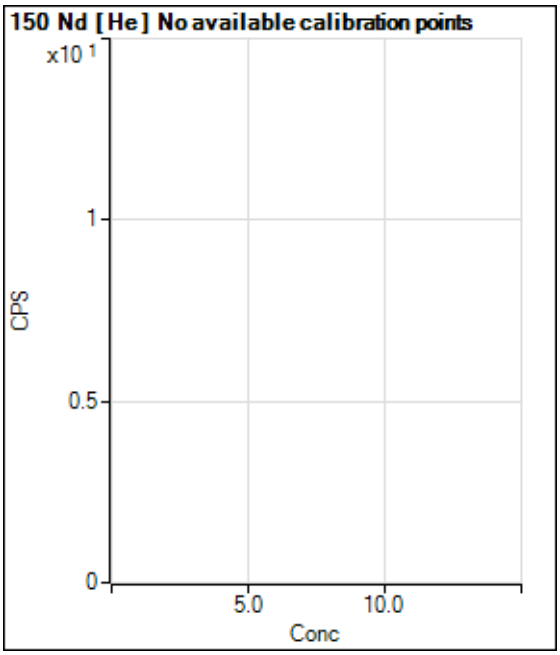

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 569.48 | 0.0001 | P | 16.9 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 10.000 | 10.687 | 39022.59 | 0.0052 | P | 3.1 |
| 4 | ☐ | 250.000 | 268.859 | 994557.72 | 0.1281 | P | 1.1 |
| 5 | ☐ | 625.000 | 658.188 | 2448814.51 | 0.3135 | A | 1.9 |
| 6 | ☐ | 1250.000 | 1289.896 | 4897457.40 | 0.6144 | A | 2.8 |
| 7 | ☐ | 2500.000 | 2534.636 | 9610835.28 | 1.2071 | A | 1.1 |
| 8 | ☐ | 5000.000 | 4967.615 | 19088890.53 | 2.3658 | A | 0.8 |
| 9 | ☐ | | | 5056.77 | 0.0006 | P | 6.8 |

y = 4.7623E-004 * x + 7.7335E-005
R = 0.9999
DL = 0.08212
BEC = 0.1624

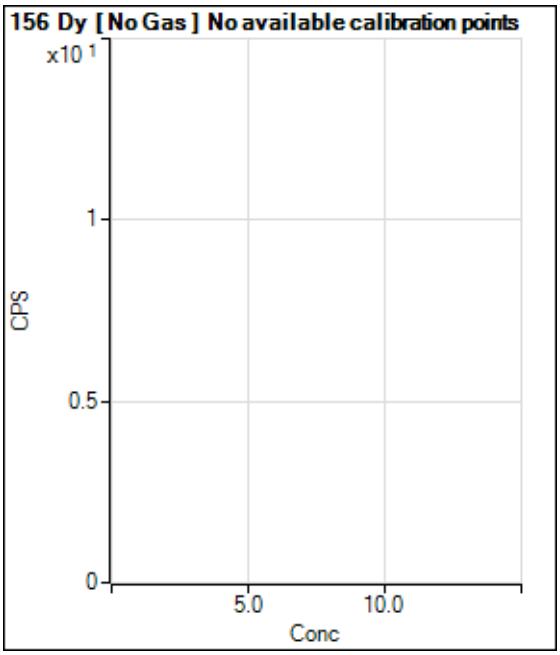
Weight: <None>
Min Conc: 0



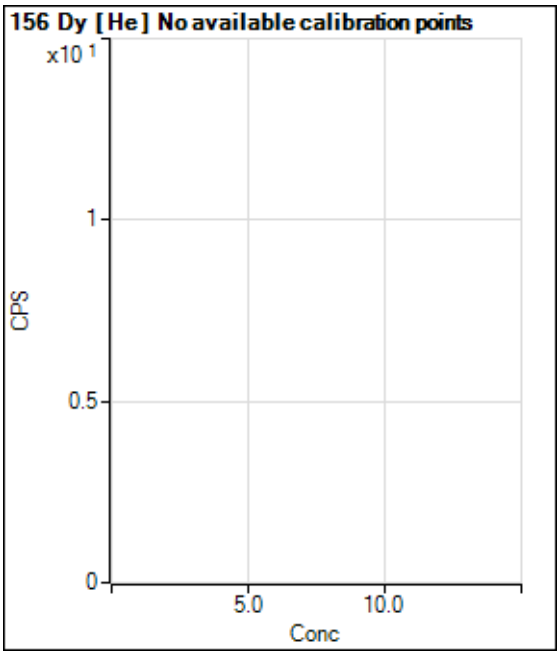

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 6.67 | | P | 100.0 |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 8.89 | | P | 114.5 |
| 4 | ☐ | | | 35.56 | | P | 47.2 |
| 5 | ☐ | | | 62.22 | | P | 6.2 |
| 6 | ☐ | | | 115.56 | | P | 26.0 |
| 7 | ☐ | | | 237.79 | | P | 23.8 |
| 8 | ☐ | | | 500.03 | | P | 11.6 |
| 9 | ☐ | | | 93.34 | | P | 44.6 |



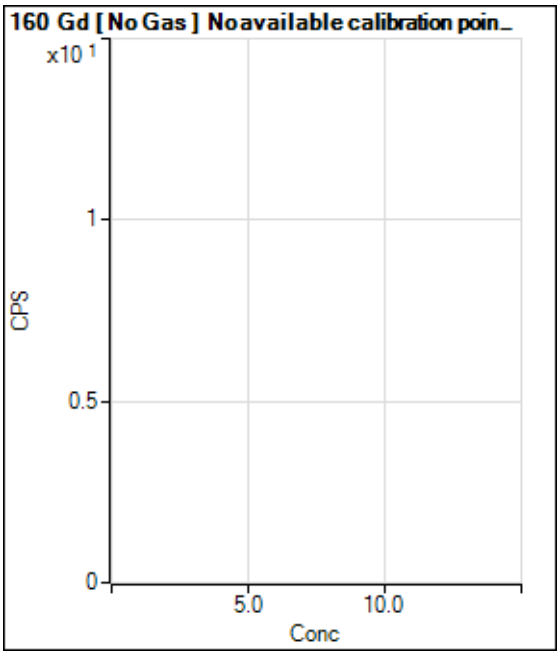

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 0.00 | | P | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 0.00 | | P | |
| 4 | ☐ | | | 1.11 | | P | 173.2 |
| 5 | ☐ | | | 2.22 | | P | 86.6 |
| 6 | ☐ | | | 2.22 | | P | 86.6 |
| 7 | ☐ | | | 6.66 | | P | 86.6 |
| 8 | ☐ | | | 14.44 | | P | 53.3 |
| 9 | ☐ | | | 16.66 | | P | 34.6 |



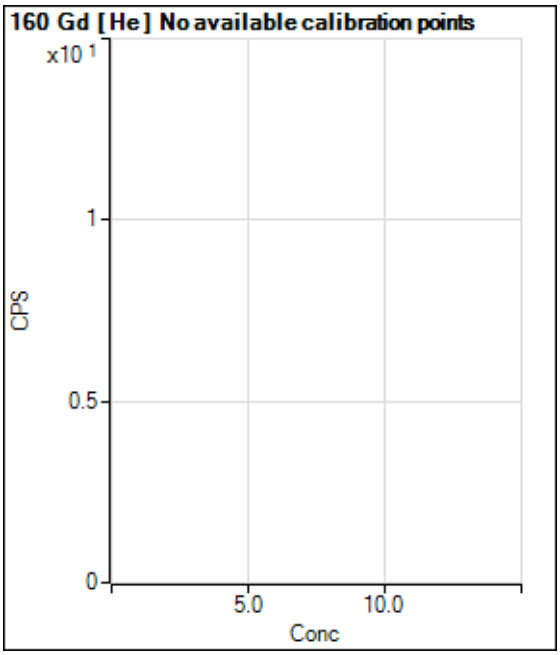

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 8.33 | | P | 100.0 |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 19.44 | | P | 65.5 |
| 4 | ☐ | | | 13.89 | | P | 34.7 |
| 5 | ☐ | | | 44.45 | | P | 39.0 |
| 6 | ☐ | | | 33.34 | | P | 66.1 |
| 7 | ☐ | | | 97.23 | | P | 13.1 |
| 8 | ☐ | | | 180.57 | | P | 9.6 |
| 9 | ☐ | | | 108.34 | | P | 30.8 |



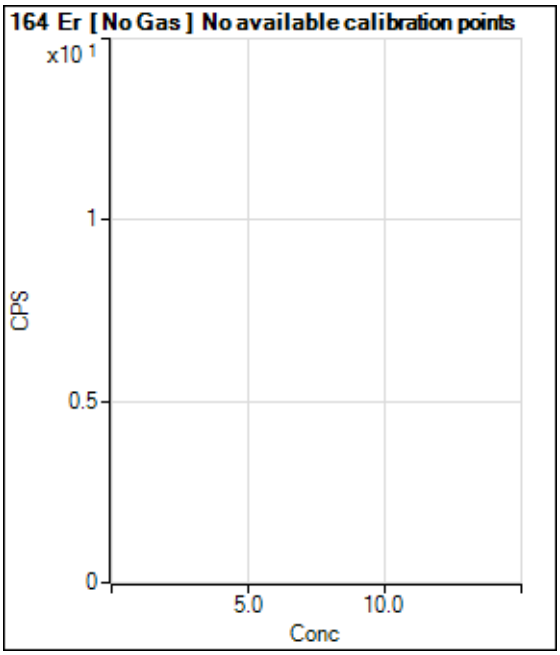

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 0.00 | | P | |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 1.11 | | P | 173.2 |
| 4 | ☐ | | | 1.11 | | P | 173.2 |
| 5 | ☐ | | | 2.22 | | P | 86.6 |
| 6 | ☐ | | | 0.00 | | P | |
| 7 | ☐ | | | 4.45 | | P | 86.6 |
| 8 | ☐ | | | 20.00 | | P | 16.7 |
| 9 | ☐ | | | 20.00 | | P | 50.0 |



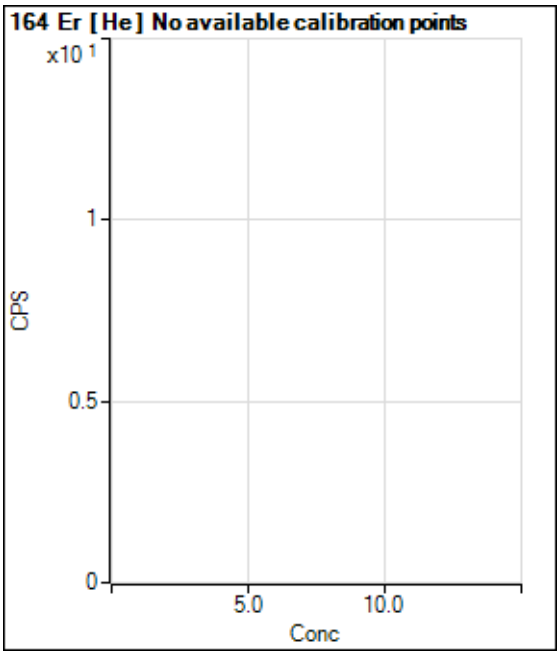

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 58.34 | | P | 14.3 |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 50.00 | | P | 16.7 |
| 4 | ☐ | | | 83.34 | | P | 26.5 |
| 5 | ☐ | | | 77.78 | | P | 53.9 |
| 6 | ☐ | | | 91.67 | | P | 39.6 |
| 7 | ☐ | | | 97.23 | | P | 19.8 |
| 8 | ☐ | | | 175.01 | | P | 8.2 |
| 9 | ☐ | | | 141.68 | | P | 31.1 |



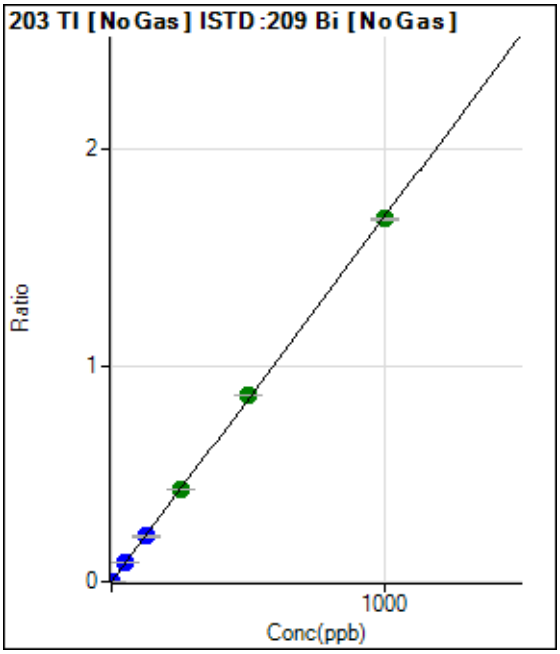

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 8.89 | | P | 43.3 |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 5.56 | | P | 34.7 |
| 4 | ☐ | | | 5.56 | | P | 91.6 |
| 5 | ☐ | | | 12.22 | | P | 15.7 |
| 6 | ☐ | | | 16.67 | | P | 20.0 |
| 7 | ☐ | | | 12.22 | | P | 41.7 |
| 8 | ☐ | | | 30.00 | | P | 19.2 |
| 9 | ☐ | | | 23.33 | | P | 14.3 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 30.56 | | P | 103.3 |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 30.56 | | P | 87.7 |
| 4 | ☐ | | | 30.56 | | P | 63.0 |
| 5 | ☐ | | | 47.23 | | P | 40.8 |
| 6 | ☐ | | | 33.33 | | P | 43.3 |
| 7 | ☐ | | | 30.56 | | P | 41.7 |
| 8 | ☐ | | | 61.11 | | P | 56.8 |
| 9 | ☐ | | | 55.56 | | P | 22.9 |



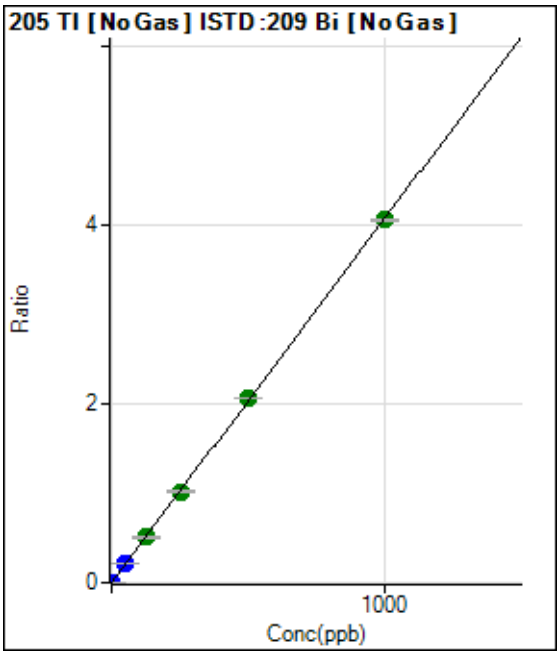

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | | | 7.78 | | P | 24.7 |
| 2 | ☐ | | | | | | |
| 3 | ☐ | | | 5.55 | | P | 124.9 |
| 4 | ☐ | | | 7.78 | | P | 65.5 |
| 5 | ☐ | | | 4.44 | | P | 114.6 |
| 6 | ☐ | | | 6.66 | | P | 86.6 |
| 7 | ☐ | | | 10.00 | | P | 33.3 |
| 8 | ☐ | | | 5.55 | | P | 69.3 |
| 9 | ☐ | | | 10.00 | | P | 33.3 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 550.04 | 0.0001 | P | 14.1 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.045 | 9487.29 | 0.0019 | P | 6.7 |
| 4 | ☐ | 50.000 | 50.561 | 444674.22 | 0.0854 | P | 0.8 |
| 5 | ☐ | 125.000 | 124.414 | 1110793.28 | 0.2100 | P | 2.8 |
| 6 | ☐ | 250.000 | 252.990 | 2335627.09 | 0.4269 | A | 1.1 |
| 7 | ☐ | 500.000 | 510.081 | 4774399.54 | 0.8606 | A | 0.6 |
| 8 | ☐ | 1000.000 | 994.257 | 9455172.09 | 1.6774 | A | 0.5 |
| 9 | ☐ | | | 4817.83 | 0.0009 | P | 8.2 |

y = 0.0017 * x + 1.1139E-004
R = 0.9999
DL = 0.02799
BEC = 0.06603

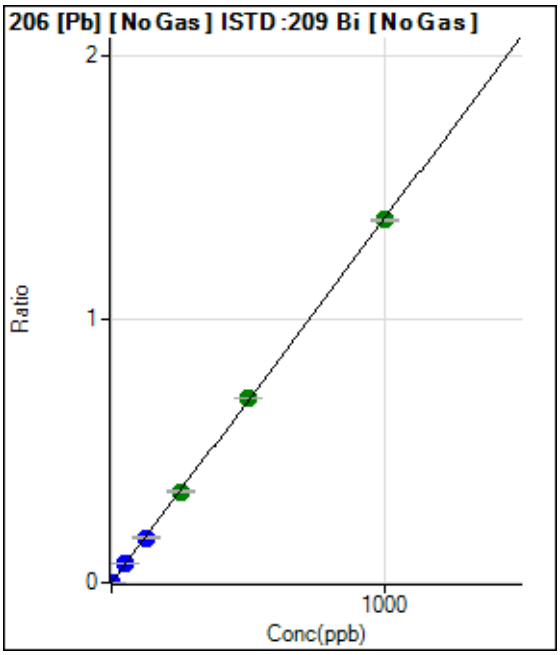
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1339.02 | 0.0003 | P | 3.8 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 1.022 | 22442.92 | 0.0044 | P | 0.8 |
| 4 | ☐ | 50.000 | 50.478 | 1070327.30 | 0.2056 | P | 1.0 |
| 5 | ☐ | 125.000 | 125.220 | 2695414.84 | 0.5096 | A | 2.7 |
| 6 | ☐ | 250.000 | 250.537 | 5576066.88 | 1.0192 | A | 1.8 |
| 7 | ☐ | 500.000 | 505.538 | 11408167.44 | 2.0564 | A | 0.2 |
| 8 | ☐ | 1000.000 | 997.045 | 22859347.21 | 4.0554 | A | 0.9 |
| 9 | ☐ | | | 11097.07 | 0.0021 | P | 4.3 |

y = 0.0041 * x + 2.7204E-004
R = 1.0000
DL = 0.00772
BEC = 0.06689

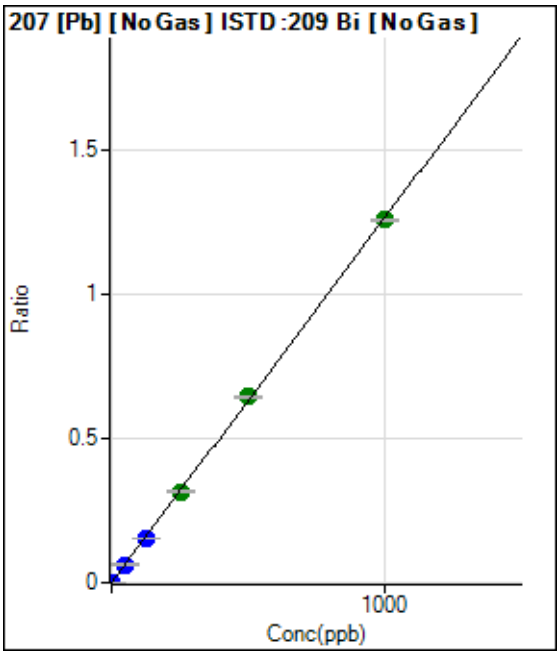
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1061.19 | 0.0002 | P | 2.1 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.980 | 7945.33 | 0.0016 | P | 6.1 |
| 4 | ☐ | 50.000 | 50.381 | 362952.26 | 0.0697 | P | 0.9 |
| 5 | ☐ | 125.000 | 122.568 | 895474.83 | 0.1693 | P | 2.5 |
| 6 | ☐ | 250.000 | 249.443 | 1883487.44 | 0.3443 | A | 2.2 |
| 7 | ☐ | 500.000 | 507.805 | 3887112.90 | 0.7007 | A | 0.6 |
| 8 | ☐ | 1000.000 | 996.522 | 7749416.03 | 1.3748 | A | 0.8 |
| 9 | ☐ | | | 7680.34 | 0.0015 | P | 4.9 |

y = 0.0014 * x + 2.1600E-004
R = 1.0000
DL = 0.009643
BEC = 0.1566

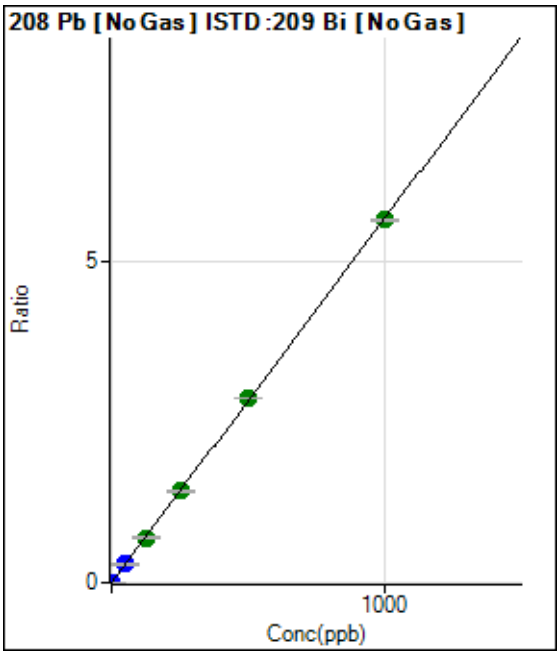
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 1018.59 | 0.0002 | P | 15.4 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.981 | 7328.25 | 0.0014 | P | 2.7 |
| 4 | ☐ | 50.000 | 49.778 | 328028.32 | 0.0630 | P | 1.5 |
| 5 | ☐ | 125.000 | 121.823 | 814094.07 | 0.1539 | P | 2.0 |
| 6 | ☐ | 250.000 | 250.421 | 1729596.02 | 0.3161 | A | 1.0 |
| 7 | ☐ | 500.000 | 509.663 | 3568122.71 | 0.6432 | A | 0.5 |
| 8 | ☐ | 1000.000 | 995.472 | 7080075.10 | 1.2560 | A | 0.3 |
| 9 | ☐ | | | 6813.17 | 0.0013 | P | 1.8 |

y = 0.0013 * x + 2.0774E-004
R = 0.9999
DL = 0.07593
BEC = 0.1647

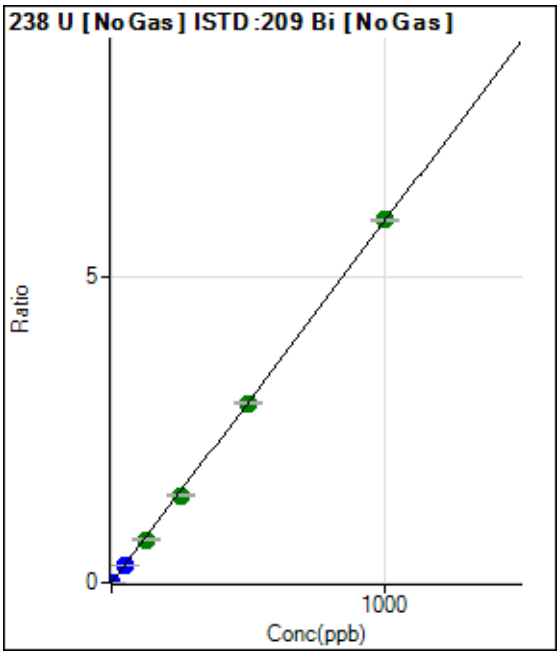
Weight: <None>
Min Conc: 0




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 4439.33 | 0.0009 | P | 3.5 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.970 | 32367.07 | 0.0064 | P | 3.3 |
| 4 | ☐ | 50.000 | 50.195 | 1482668.41 | 0.2848 | P | 1.1 |
| 5 | ☐ | 125.000 | 123.851 | 3710133.52 | 0.7013 | A | 1.6 |
| 6 | ☐ | 250.000 | 250.818 | 7765235.20 | 1.4193 | A | 1.4 |
| 7 | ☐ | 500.000 | 506.694 | 15902046.04 | 2.8664 | A | 0.5 |
| 8 | ☐ | 1000.000 | 996.582 | 31773855.05 | 5.6368 | A | 0.5 |
| 9 | ☐ | | | 31021.40 | 0.0060 | P | 2.1 |

y = 0.0057 * x + 9.0387E-004
R = 1.0000
DL = 0.01698
BEC = 0.1598

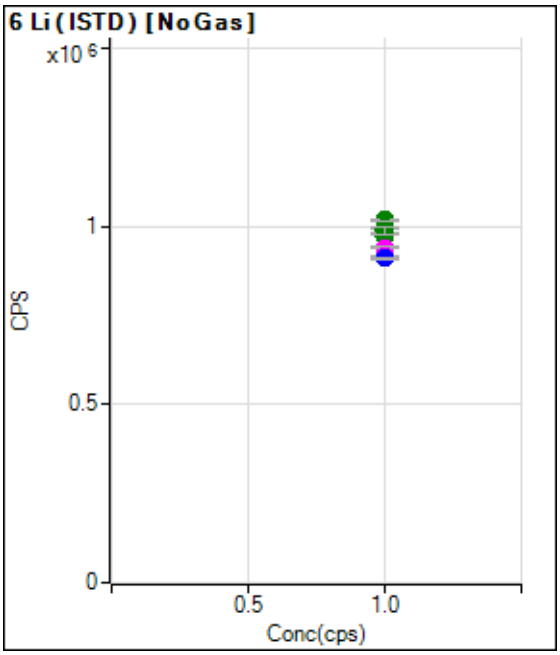
Weight: <None>
Min Conc: 0



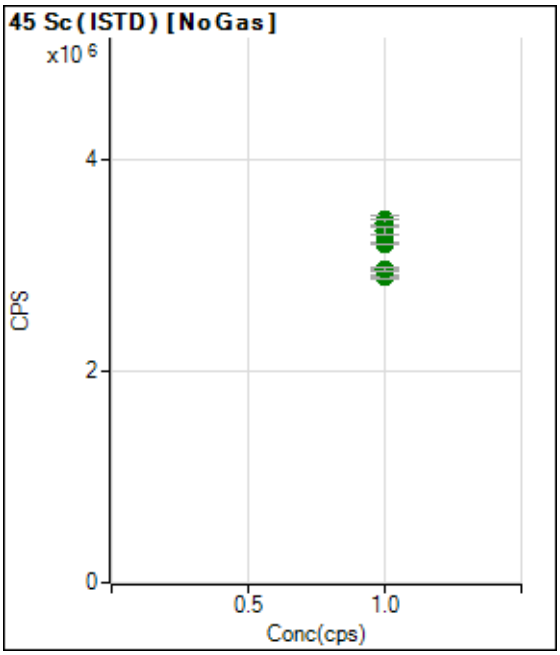

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 0.000 | 0.000 | 3775.76 | 0.0008 | P | 5.0 |
| 2 | ☐ | 0.100 | | | | | |
| 3 | ☐ | 1.000 | 0.912 | 31087.14 | 0.0061 | P | 2.1 |
| 4 | ☐ | 50.000 | 47.538 | 1461212.72 | 0.2807 | P | 1.9 |
| 5 | ☐ | 125.000 | 118.510 | 3695277.47 | 0.6985 | A | 2.1 |
| 6 | ☐ | 250.000 | 240.781 | 7760646.53 | 1.4185 | A | 1.3 |
| 7 | ☐ | 500.000 | 497.677 | 16260562.34 | 2.9310 | A | 0.9 |
| 8 | ☐ | 1000.000 | 1004.401 | 33339225.74 | 5.9146 | A | 0.6 |
| 9 | ☐ | | | 6421.41 | 0.0012 | P | 2.8 |

y = 0.0059 * x + 7.6740E-004
R = 0.9999
DL = 0.0197
BEC = 0.1303

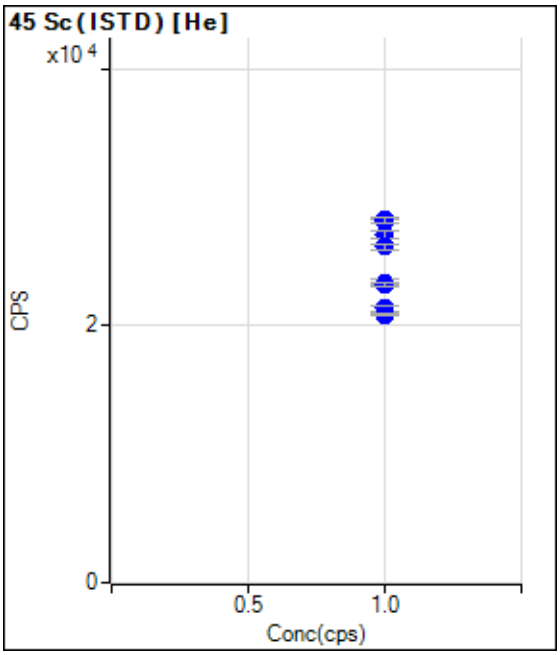
Weight: <None>
Min Conc: 0



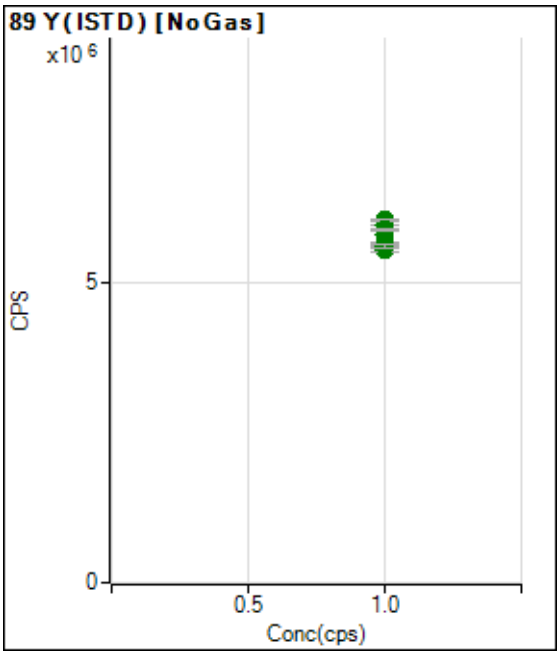

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 970053.15 | | A | 4.9 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 994719.53 | | A | 3.5 |
| 4 | ☐ | 1.000 | | 1017685.76 | | A | 0.8 |
| 5 | ☐ | 1.000 | | 998025.97 | | A | 2.8 |
| 6 | ☐ | 1.000 | | 988027.53 | | A | 1.8 |
| 7 | ☐ | 1.000 | | 940958.95 | | M | 0.5 |
| 8 | ☐ | 1.000 | | 915735.74 | | M | 0.2 |
| 9 | ☐ | 1.000 | | 910592.56 | | P | 0.6 |



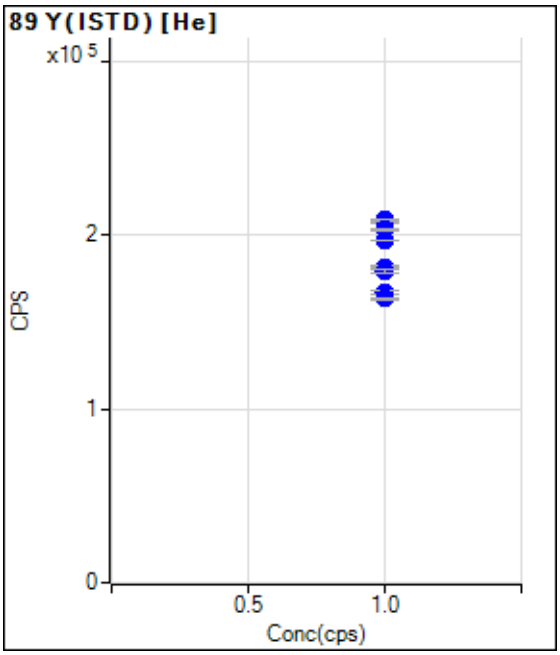

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 3298344.04 | | A | 4.8 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 3430206.48 | | A | 2.8 |
| 4 | ☐ | 1.000 | | 3400966.33 | | A | 1.8 |
| 5 | ☐ | 1.000 | | 3327666.96 | | A | 1.8 |
| 6 | ☐ | 1.000 | | 3197340.46 | | A | 0.3 |
| 7 | ☐ | 1.000 | | 2937990.67 | | A | 1.4 |
| 8 | ☐ | 1.000 | | 2886806.03 | | A | 0.4 |
| 9 | ☐ | 1.000 | | 2965754.75 | | A | 0.8 |



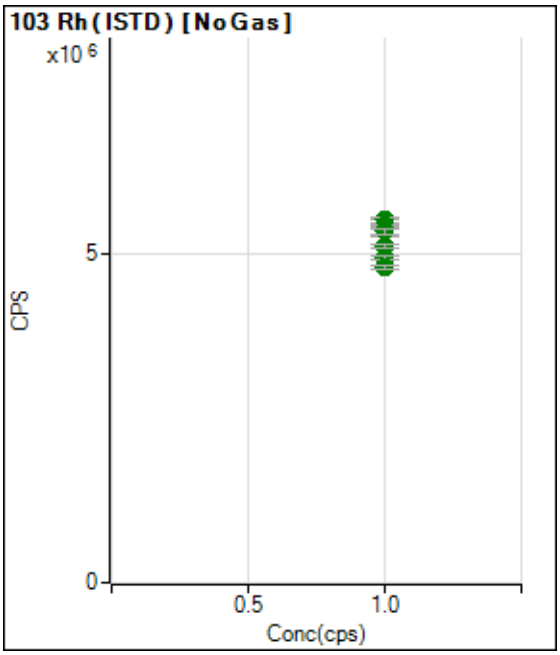

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 28108.30 | | P | 1.1 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 28239.62 | | P | 1.6 |
| 4 | ☐ | 1.000 | | 27092.94 | | P | 2.1 |
| 5 | ☐ | 1.000 | | 26140.12 | | P | 1.7 |
| 6 | ☐ | 1.000 | | 23380.81 | | P | 2.0 |
| 7 | ☐ | 1.000 | | 21374.26 | | P | 1.8 |
| 8 | ☐ | 1.000 | | 20835.67 | | P | 0.6 |
| 9 | ☐ | 1.000 | | 23171.53 | | P | 1.3 |



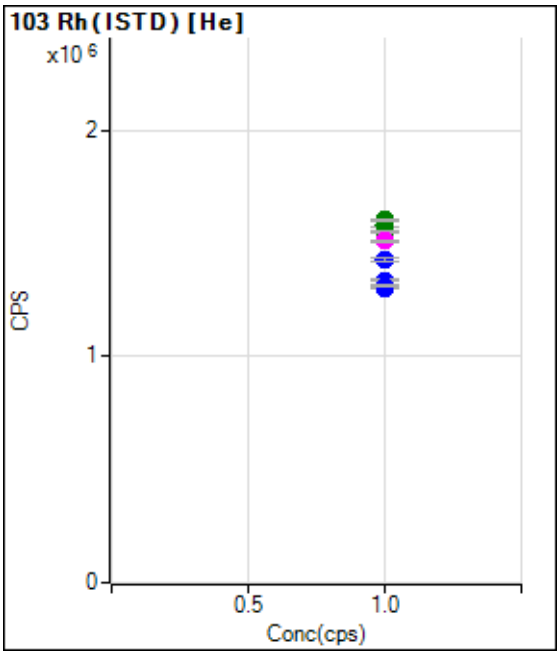

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 5807153.32 | | A | 5.1 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 5962392.62 | | A | 3.2 |
| 4 | ☐ | 1.000 | | 6039510.53 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 6021666.30 | | A | 0.5 |
| 6 | ☐ | 1.000 | | 5883057.34 | | A | 0.5 |
| 7 | ☐ | 1.000 | | 5631837.34 | | A | 0.8 |
| 8 | ☐ | 1.000 | | 5540906.72 | | A | 0.7 |
| 9 | ☐ | 1.000 | | 5599278.25 | | A | 1.0 |



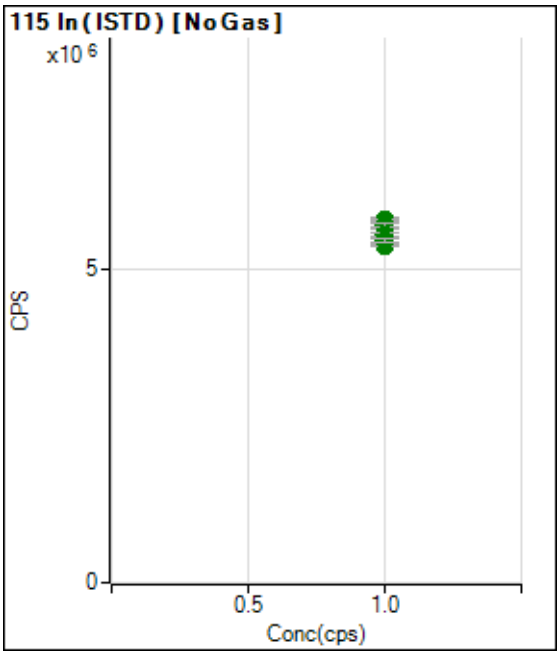

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 207118.10 | | P | 0.7 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 208663.06 | | P | 0.7 |
| 4 | ☐ | 1.000 | | 203407.47 | | P | 0.5 |
| 5 | ☐ | 1.000 | | 197208.41 | | P | 0.1 |
| 6 | ☐ | 1.000 | | 181709.52 | | P | 0.7 |
| 7 | ☐ | 1.000 | | 167391.79 | | P | 1.2 |
| 8 | ☐ | 1.000 | | 163226.19 | | P | 0.6 |
| 9 | ☐ | 1.000 | | 179117.98 | | P | 0.7 |



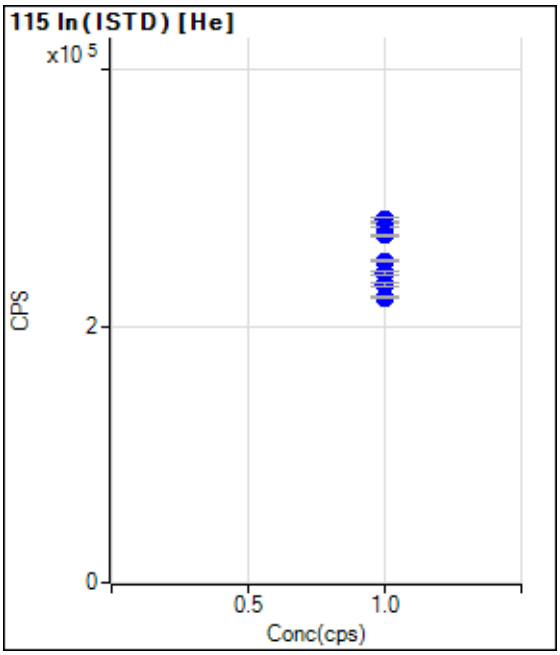

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 5390107.76 | | A | 5.5 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 5448111.40 | | A | 2.2 |
| 4 | ☐ | 1.000 | | 5504205.16 | | A | 1.4 |
| 5 | ☐ | 1.000 | | 5433055.24 | | A | 0.1 |
| 6 | ☐ | 1.000 | | 5326480.06 | | A | 1.4 |
| 7 | ☐ | 1.000 | | 5113443.47 | | A | 0.9 |
| 8 | ☐ | 1.000 | | 4933041.30 | | A | 0.8 |
| 9 | ☐ | 1.000 | | 4777435.22 | | A | 1.1 |



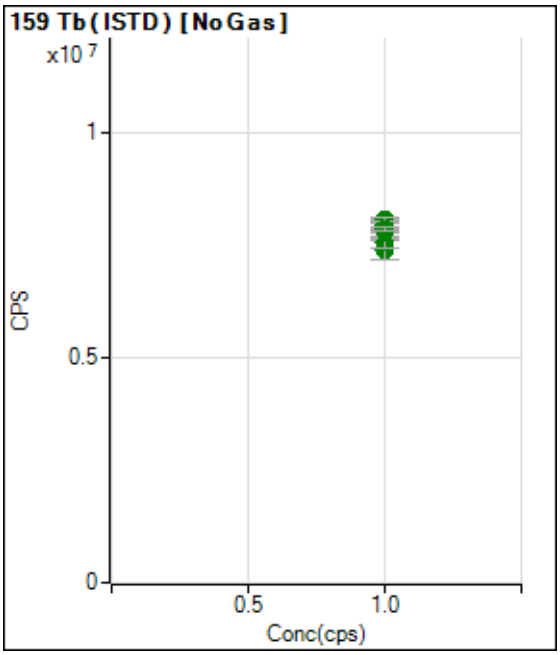

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1586277.55 | | A | 1.5 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 1605153.24 | | A | 0.8 |
| 4 | ☐ | 1.000 | | 1555550.27 | | A | 0.5 |
| 5 | ☐ | 1.000 | | 1510944.92 | | M | 0.7 |
| 6 | ☐ | 1.000 | | 1429233.35 | | P | 0.8 |
| 7 | ☐ | 1.000 | | 1338998.14 | | P | 0.6 |
| 8 | ☐ | 1.000 | | 1300597.04 | | P | 0.0 |
| 9 | ☐ | 1.000 | | 1313195.25 | | P | 0.8 |



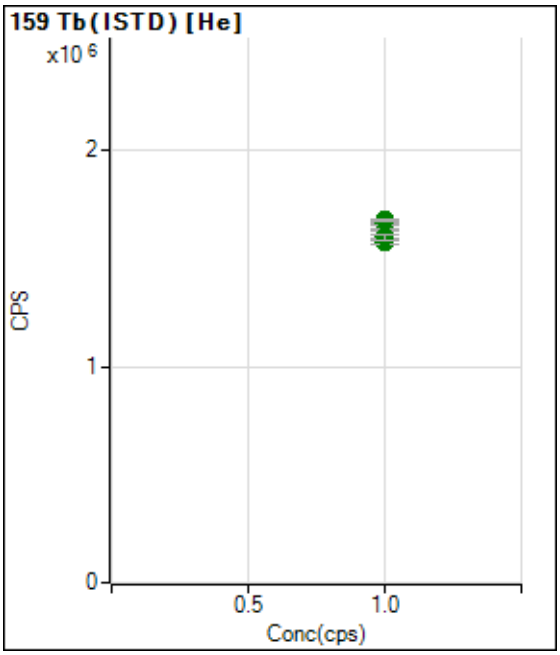

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 5660579.41 | | A | 5.5 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 5751129.83 | | A | 3.5 |
| 4 | ☐ | 1.000 | | 5795326.30 | | A | 0.9 |
| 5 | ☐ | 1.000 | | 5804199.73 | | A | 0.4 |
| 6 | ☐ | 1.000 | | 5713685.46 | | A | 1.0 |
| 7 | ☐ | 1.000 | | 5565226.56 | | A | 1.3 |
| 8 | ☐ | 1.000 | | 5398852.66 | | A | 0.6 |
| 9 | ☐ | 1.000 | | 5479437.19 | | A | 1.4 |



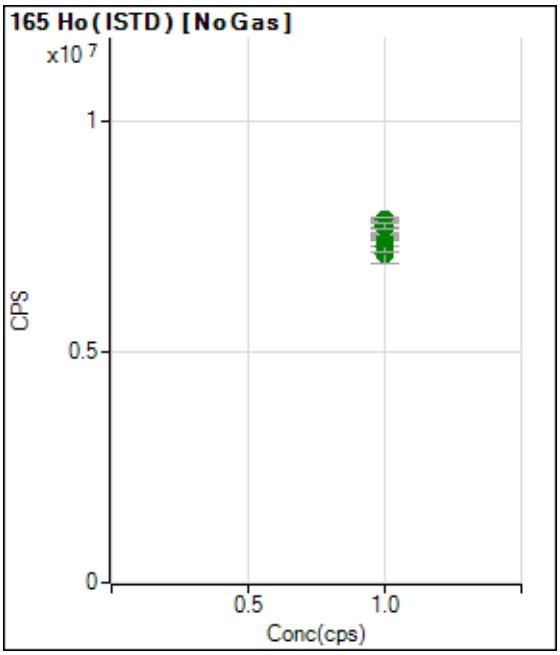

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 281628.27 | | P | 0.8 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 283059.96 | | P | 1.0 |
| 4 | ☐ | 1.000 | | 277387.85 | | P | 0.3 |
| 5 | ☐ | 1.000 | | 271428.74 | | P | 0.5 |
| 6 | ☐ | 1.000 | | 251045.71 | | P | 0.6 |
| 7 | ☐ | 1.000 | | 232356.36 | | P | 0.8 |
| 8 | ☐ | 1.000 | | 222652.47 | | P | 0.5 |
| 9 | ☐ | 1.000 | | 241711.07 | | P | 1.3 |



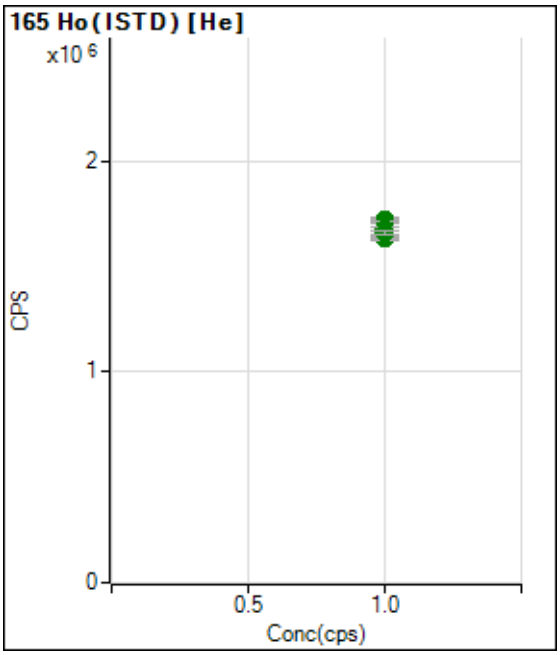

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 7399419.96 | | A | 5.3 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 7556187.18 | | A | 2.8 |
| 4 | ☐ | 1.000 | | 7763588.70 | | A | 1.3 |
| 5 | ☐ | 1.000 | | 7811464.33 | | A | 0.9 |
| 6 | ☐ | 1.000 | | 7975100.09 | | A | 2.4 |
| 7 | ☐ | 1.000 | | 7962212.87 | | A | 1.0 |
| 8 | ☐ | 1.000 | | 8069073.77 | | A | 0.9 |
| 9 | ☐ | 1.000 | | 7871175.65 | | A | 1.4 |



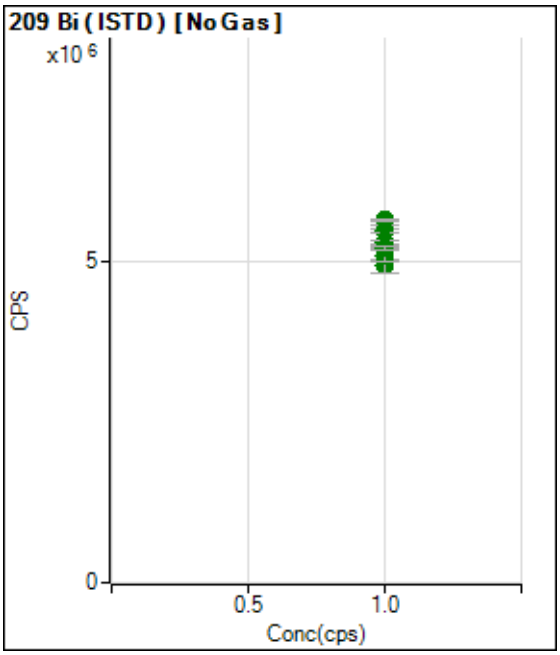

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1661445.86 | | A | 0.3 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 1674690.70 | | A | 1.2 |
| 4 | ☐ | 1.000 | | 1666722.79 | | A | 0.9 |
| 5 | ☐ | 1.000 | | 1678753.71 | | A | 0.7 |
| 6 | ☐ | 1.000 | | 1630606.33 | | A | 0.4 |
| 7 | ☐ | 1.000 | | 1584555.86 | | A | 0.6 |
| 8 | ☐ | 1.000 | | 1576404.82 | | A | 1.2 |
| 9 | ☐ | 1.000 | | 1599762.32 | | A | 1.5 |



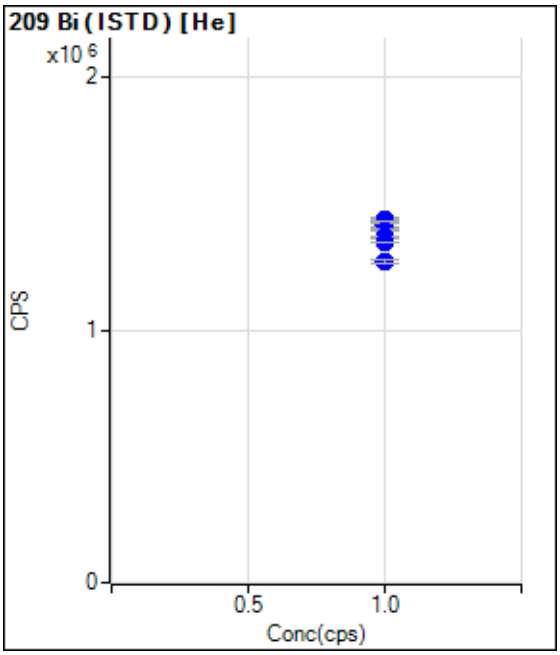

| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 7118962.75 | | A | 5.6 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 7288354.07 | | A | 3.2 |
| 4 | ☐ | 1.000 | | 7475486.80 | | A | 0.7 |
| 5 | ☐ | 1.000 | | 7562707.29 | | A | 0.5 |
| 6 | ☐ | 1.000 | | 7778149.31 | | A | 1.2 |
| 7 | ☐ | 1.000 | | 7842657.99 | | A | 1.0 |
| 8 | ☐ | 1.000 | | 7869191.84 | | A | 1.0 |
| 9 | ☐ | 1.000 | | 7736045.14 | | A | 1.2 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1706986.36 | | A | 0.6 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 1717961.22 | | A | 1.4 |
| 4 | ☐ | 1.000 | | 1721389.47 | | A | 0.6 |
| 5 | ☐ | 1.000 | | 1715731.64 | | A | 0.4 |
| 6 | ☐ | 1.000 | | 1677071.76 | | A | 0.8 |
| 7 | ☐ | 1.000 | | 1637957.96 | | A | 0.8 |
| 8 | ☐ | 1.000 | | 1629639.00 | | A | 0.5 |
| 9 | ☐ | 1.000 | | 1660155.65 | | A | 0.9 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 4916150.62 | | A | 4.7 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 5070152.25 | | A | 3.3 |
| 4 | ☐ | 1.000 | | 5206848.71 | | A | 0.9 |
| 5 | ☐ | 1.000 | | 5291141.07 | | A | 1.5 |
| 6 | ☐ | 1.000 | | 5471765.96 | | A | 1.5 |
| 7 | ☐ | 1.000 | | 5547758.32 | | A | 0.2 |
| 8 | ☐ | 1.000 | | 5636907.34 | | A | 0.4 |
| 9 | ☐ | 1.000 | | 5201968.67 | | A | 1.1 |




| | Rjct | Conc. | Calc Conc. | CPS | Ratio | Det. | RSD |
|---|---|---|---|---|---|---|---|
| 1 | ☐ | 1.000 | | 1417787.36 | | P | 1.4 |
| 2 | ☐ | 1.000 | | | | | |
| 3 | ☐ | 1.000 | | 1435429.04 | | P | 1.2 |
| 4 | ☐ | 1.000 | | 1431654.63 | | P | 1.0 |
| 5 | ☐ | 1.000 | | 1424305.22 | | P | 0.5 |
| 6 | ☐ | 1.000 | | 1394340.67 | | P | 0.5 |
| 7 | ☐ | 1.000 | | 1366086.26 | | P | 0.2 |
| 8 | ☐ | 1.000 | | 1344644.47 | | P | 0.1 |
| 9 | ☐ | 1.000 | | 1270654.64 | | P | 1.0 |

# US EPA Tune Check Sample Report

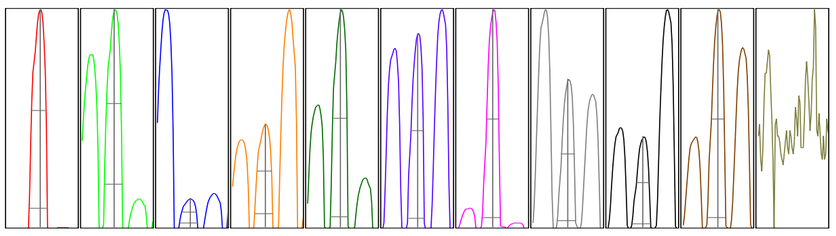
**Batch Folder** D:\P8101018-MS.b
**Report Comment**
**Instrument Name** G8403A JP17141814

**[No Gas]**

| Mass | Count (Mean) | RSD% (Actual) | RSD% (Required) | RSD% (Flag) |
|---|---|---|---|---|
| 9 | 6260 | 0.74 | 5.00 | |
| 24 | 61496 | 0.43 | 5.00 | |
| 25 | 8491 | 0.63 | 5.00 | |
| 26 | 10185 | 0.50 | 5.00 | |
| 59 | 67325 | 0.47 | 5.00 | |
| 113 | 9559 | 0.41 | 5.00 | |
| 115 | 117422 | 0.69 | 5.00 | |
| 206 | 29659 | 0.73 | 5.00 | |
| 207 | 27118 | 0.72 | 5.00 | |
| 208 | 64847 | 0.78 | 5.00 | |
| 220 | 1 | 15.90 | | |

| Mass | Replicate 1 Count | Replicate 2 Count | Replicate 3 Count | Replicate 4 Count | Replicate 5 Count |
|---|---|---|---|---|---|
| 9 | 6313 | 6294 | 6200 | 6261 | 6230 |
| 24 | 61570 | 61545 | 61070 | 61788 | 61508 |
| 25 | 8538 | 8511 | 8409 | 8531 | 8467 |
| 26 | 10224 | 10223 | 10114 | 10217 | 10146 |
| 59 | 67246 | 67574 | 66832 | 67626 | 67348 |
| 113 | 9603 | 9536 | 9503 | 9570 | 9582 |
| 115 | 117664 | 118555 | 116624 | 116664 | 117605 |
| 206 | 29379 | 29638 | 29535 | 29926 | 29817 |
| 207 | 26926 | 27074 | 26945 | 27318 | 27329 |
| 208 | 64443 | 64628 | 64405 | 65524 | 65236 |
| 220 | 1 | 1 | 1 | 1 | 1 |

**Integration Time [sec] =** 0.1



| Mass | Peak Height | Axis (Actual) | Axis (Required) | Axis (Flag) | Width-X% (Actual) | Width-X% (Required) | Width-X% (Flag) |
|---|---|---|---|---|---|---|---|
| 9 | 10899 | 8.95 | 8.9 - 9.1 | | 0.762 | 0.900 | |
| 24 | 105875 | 23.90 | 23.9 - 24.1 | | 0.743 | 0.900 | |
| 25 | 14259 | 24.95 | 24.9 - 25.1 | | 0.746 | 0.900 | |
| 26 | 16770 | 25.95 | 25.9 - 26.1 | | 0.752 | 0.900 | |
| 59 | 120612 | 58.95 | 58.9 - 59.1 | | 0.734 | 0.900 | |
| 113 | 18269 | 113.05 | 112.9 - 113.1 | | 0.693 | 0.900 | |
| 115 | 222436 | 115.05 | 114.9 - 115.1 | | 0.763 | 0.900 | |
| 206 | 54926 | 206.05 | 205.9 - 206.1 | | 0.771 | 0.900 | |
| 207 | 49633 | 207.05 | 206.9 - 207.1 | | 0.786 | 0.900 | |
| 208 | 118803 | 208.05 | 207.9 - 208.1 | | 0.778 | 0.900 | |
| 220 | | | - | | | | |

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

**Tune Parameters**
**## Plasma Paramters ##**

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

**## Lenses Parameters ##**

| ParameterName | Value | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---|---|---|---|---|---|---|---|---|
| Extract 1 | 0.0 | V | Omega Lens | 11.3 | V | Deflect | 14.2 | V |
| Extract 2 | -250.0 | V | Cell Entrance | -30 | V | Plate Bias | -35 | V |
| Omega Bias | -110 | V | Cell Exit | -50 | V | | | |

**## Cell Parameters ##**

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

**[He]**

| Mass | Count (Mean) | RSD% (Actual) | RSD% (Required) |
|---|---|---|---|
| 59 | 8772 | 0.39 | |
| 89 | 2605 | 1.07 | |
| 205 | 14669 | 0.16 | |

| Mass | Replicate 1 Count | Replicate 2 Count | Replicate 3 Count | Replicate 4 Count | Replicate 5 Count |
|---|---|---|---|---|---|
| 59 | 8787 | 8770 | 8815 | 8722 | 8767 |
| 89 | 2651 | 2604 | 2596 | 2596 | 2576 |
| 205 | 14686 | 14653 | 14686 | 14637 | 14685 |

**Integration Time [sec] =** 0.1

**Tune Parameters**
**## Plasma Paramters ##**

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

**## Lenses Parameters ##**

| ParameterName | Value | Unit | ParameterName | Value | Unit | ParameterName | Value | Unit |
|---|---|---|---|---|---|---|---|---|
| Extract 1 | 0.0 | V | Omega Lens | 11.3 | V | Deflect | 2.0 | V |
| Extract 2 | -250.0 | V | Cell Entrance | -40 | V | Plate Bias | -60 | V |
| Omega Bias | -110 | V | Cell Exit | -60 | V | | | |

**## Cell Parameters ##**

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

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:11:15 | DataFile Name : | 003CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.30 | -0.30 | -0.01 | 0.00 | N/A | ppb |
| Antimony | 121-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Arsenic | 75-1 | -0.01 | 0.03 | -0.02 | 0.00 | N/A | ppb |
| Barium | 135-1 | -0.02 | -0.01 | 0.03 | 0.00 | N/A | ppb |
| Barium | 137-1 | 0.01 | 0.02 | -0.03 | 0.00 | N/A | ppb |
| Beryllium | 9-1 | 0.02 | 0.00 | -0.01 | 0.00 | N/A | ppb |
| Bismuth | 209-1 | | | | 100 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Boron | 10-1 | 0.01 | -0.24 | 0.23 | 0.00 | N/A | ppb |
| Boron | 11-1 | 0.19 | 0.03 | -0.22 | 0.00 | N/A | ppb |
| Cadmium | 111-1 | 0.05 | 0.02 | -0.06 | 0.00 | N/A | ppb |
| Cadmium | 106-1 | 0.66 | 0.08 | -0.74 | 0.00 | N/A | ppb |
| Cadmium | 108-1 | -0.04 | -0.06 | 0.10 | 0.00 | N/A | ppb |
| Calcium | 43-1 | -1.16 | -0.91 | 2.08 | 0.00 | N/A | ppb |
| Calcium | 44-1 | -1.09 | 2.02 | -0.93 | 0.00 | N/A | ppb |
| Chromium | 52-2 | -0.01 | -0.03 | 0.04 | 0.00 | N/A | ppb |
| Cobalt | 59-2 | -0.01 | 0.02 | 0.00 | 0.00 | N/A | ppb |
| Copper | 63-2 | 0.00 | 0.01 | 0.00 | 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 | 0.04 | -0.24 | 0.20 | 0.00 | N/A | ppb |
| Iron | 57-2 | -0.23 | 0.78 | -0.55 | 0.00 | N/A | ppb |
| Krypton | 83-1 | 39.57 | -152.09 | 112.52 | 0.00 | N/A | ppb |
| Lead | 206-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Lead | 207-1 | -0.03 | 0.01 | 0.02 | 0.00 | N/A | ppb |
| Lead | 208-1 | -0.01 | 0.01 | 0.00 | 0.00 | N/A | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | -0.70 | 1.59 | -0.89 | 0.00 | N/A | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:11:15 | DataFile Name : | 003CALB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | -0.03 | 0.07 | -0.04 | 0.00 | N/A | ppb |
| Molybdenum | 94-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Molybdenum | 95-1 | 0.01 | 0.00 | -0.01 | 0.00 | N/A | ppb |
| Molybdenum | 96-1 | 0.01 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Molybdenum | 97-1 | -0.01 | 0.01 | 0.01 | 0.00 | N/A | ppb |
| Molybdenum | 98-1 | -0.01 | 0.00 | 0.01 | 0.00 | N/A | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.02 | 0.06 | -0.08 | 0.00 | N/A | ppb |
| Phosphorus | 31-2 | -0.14 | 16.30 | -15.90 | 0.09 | 18915.94 | ppb |
| Potassium | 39-2 | -11.28 | 13.44 | -2.16 | 0.00 | N/A | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | -0.21 | 0.42 | -0.21 | 0.00 | N/A | ppb |
| Selenium | 82-1 | -0.38 | 0.40 | -0.02 | 0.00 | N/A | ppb |
| Silicon | 28-1 | -1.31 | 3.25 | -1.94 | 0.00 | N/A | ppb |
| Silver | 109-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Silver | 107-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Sodium | 23-2 | -2.15 | 3.05 | -0.91 | 0.00 | N/A | ppb |
| Strontium | 86-1 | 0.02 | 0.02 | -0.04 | 0.00 | N/A | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Sulfur | 34-1 | -77.83 | 797.82 | -166.69 | 184.43 | 289.02 | ppb |
| Terbium | 159-1 | | | | 100 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 0.01 | -0.01 | 0.01 | 0.00 | N/A | ppb |
| Thallium | 205-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Tin | 118-1 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Titanium | 47-1 | 0.02 | -0.04 | 0.02 | 0.00 | N/A | ppb |
| Uranium | 238-1 | 0.01 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Vanadium | 51-2 | -0.03 | 0.01 | 0.02 | 0.00 | N/A | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 100 | | % |
| Zinc | 66-2 | -0.24 | 0.13 | 0.10 | 0.00 | N/A | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:11:15 | DataFile Name : | 003CALB.d |

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

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:17:59 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20.63 | 20.89 | 17.94 | 19.82 | 8.26 | ppb |
| Antimony | 121-1 | 2.15 | 2.13 | 2.18 | 2.15 | 1.10 | ppb |
| Arsenic | 75-1 | 0.89 | 0.88 | 1.01 | 0.93 | 7.80 | ppb |
| Barium | 135-1 | 10.57 | 10.39 | 10.93 | 10.63 | 2.59 | ppb |
| Barium | 137-1 | 10.61 | 10.40 | 11.05 | 10.69 | 3.13 | ppb |
| Beryllium | 9-1 | 0.93 | 0.96 | 1.03 | 0.97 | 5.44 | ppb |
| Bismuth | 209-1 | | | | 103 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Boron | 10-1 | 26.40 | 26.13 | 27.99 | 26.84 | 3.75 | ppb |
| Boron | 11-1 | 25.67 | 25.58 | 27.01 | 26.09 | 3.07 | ppb |
| Cadmium | 111-1 | 0.97 | 1.11 | 1.09 | 1.05 | 7.30 | ppb |
| Cadmium | 106-1 | 1.07 | 1.34 | 0.89 | 1.10 | 20.86 | ppb |
| Cadmium | 108-1 | 1.30 | 0.86 | 1.60 | 1.25 | 29.95 | ppb |
| Calcium | 43-1 | 474.47 | 515.25 | 514.48 | 501.40 | 4.65 | ppb |
| Calcium | 44-1 | 474.95 | 492.58 | 514.29 | 493.94 | 3.99 | ppb |
| Chromium | 52-2 | 2.11 | 2.00 | 1.65 | 1.92 | 12.39 | ppb |
| Cobalt | 59-2 | 0.96 | 0.86 | 0.93 | 0.92 | 5.60 | ppb |
| Copper | 63-2 | 1.95 | 1.82 | 1.91 | 1.89 | 3.41 | 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 | | | | 102 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 101 | | % |
| Iron | 56-2 | 50.83 | 52.06 | 48.93 | 50.61 | 3.12 | ppb |
| Iron | 57-2 | 52.88 | 45.55 | 42.79 | 47.07 | 11.07 | ppb |
| Krypton | 83-1 | 1346.13 | 936.82 | 130.38 | 804.44 | 76.90 | ppb |
| Lead | 206-1 | 0.99 | 0.91 | 1.05 | 0.98 | 7.04 | ppb |
| Lead | 207-1 | 0.95 | 1.01 | 0.99 | 0.98 | 3.13 | ppb |
| Lead | 208-1 | 0.96 | 0.94 | 1.01 | 0.97 | 3.86 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 512.39 | 498.96 | 468.94 | 493.43 | 4.51 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:17:59 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1.09 | 0.87 | 0.77 | 0.91 | 18.09 | ppb |
| Molybdenum | 94-1 | 4.85 | 4.79 | 5.10 | 4.91 | 3.34 | ppb |
| Molybdenum | 95-1 | 5.09 | 4.83 | 5.44 | 5.12 | 5.97 | ppb |
| Molybdenum | 96-1 | 5.00 | 5.07 | 5.06 | 5.04 | 0.76 | ppb |
| Molybdenum | 97-1 | 4.95 | 4.96 | 5.13 | 5.02 | 2.00 | ppb |
| Molybdenum | 98-1 | 5.01 | 4.85 | 5.23 | 5.03 | 3.88 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 1.18 | 0.88 | 0.85 | 0.97 | 18.68 | ppb |
| Phosphorus | 31-2 | 0.20 | -0.29 | -0.16 | -0.09 | | ppb |
| Potassium | 39-2 | 555.96 | 504.25 | 506.19 | 522.13 | 5.61 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 101 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 100 | | % |
| Selenium | 77-2 | 4.09 | 0.00 | 16.17 | 6.75 | 124.52 | ppb |
| Selenium | 78-2 | 4.20 | 1.03 | 6.03 | 3.75 | 67.30 | ppb |
| Selenium | 82-1 | 6.15 | 5.94 | 5.49 | 5.86 | 5.76 | ppb |
| Silicon | 28-1 | 13.41 | 14.65 | 17.95 | 15.34 | 15.30 | ppb |
| Silver | 109-1 | 1.18 | 1.20 | 1.28 | 1.22 | 4.21 | ppb |
| Silver | 107-1 | 1.11 | 1.18 | 1.27 | 1.19 | 6.74 | ppb |
| Sodium | 23-2 | 515.07 | 512.41 | 502.74 | 510.07 | 1.27 | ppb |
| Strontium | 86-1 | 1.03 | 1.08 | 1.12 | 1.08 | 4.00 | ppb |
| Strontium | 88-1 | 0.98 | 1.03 | 1.08 | 1.03 | 4.86 | ppb |
| Sulfur | 34-1 | -352.62 | -317.62 | 116.93 | -184.43 | | ppb |
| Terbium | 159-1 | | | | 102 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.97 | 1.05 | 1.11 | 1.04 | 7.16 | ppb |
| Thallium | 205-1 | 1.01 | 1.02 | 1.03 | 1.02 | 0.89 | ppb |
| Tin | 118-1 | 5.36 | 5.60 | 5.70 | 5.56 | 3.13 | ppb |
| Titanium | 47-1 | 4.88 | 5.28 | 5.13 | 5.10 | 4.04 | ppb |
| Uranium | 238-1 | 0.89 | 0.91 | 0.94 | 0.91 | 2.35 | ppb |
| Vanadium | 51-2 | 5.23 | 4.58 | 4.94 | 4.92 | 6.60 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 101 | | % |
| Zinc | 66-2 | 2.05 | 1.69 | 1.65 | 1.80 | 12.19 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:17:59 | DataFile Name : | 005CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.93 | 0.93 | 0.96 | 0.94 | 1.93 | ppb |
| Zirconium | 91-1 | 1.00 | 0.94 | 1.04 | 0.99 | 5.23 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:22:15 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1022.75 | 1011.66 | 1000.25 | 1011.55 | 1.11 | ppb |
| Antimony | 121-1 | 53.65 | 53.54 | 52.62 | 53.27 | 1.06 | ppb |
| Arsenic | 75-1 | 49.31 | 49.52 | 47.97 | 48.93 | 1.71 | ppb |
| Barium | 135-1 | 270.54 | 270.00 | 263.04 | 267.86 | 1.56 | ppb |
| Barium | 137-1 | 271.88 | 268.73 | 265.97 | 268.86 | 1.10 | ppb |
| Beryllium | 9-1 | 53.91 | 54.63 | 53.13 | 53.89 | 1.40 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Boron | 10-1 | 54.74 | 52.10 | 57.83 | 54.89 | 5.22 | ppb |
| Boron | 11-1 | 51.68 | 52.23 | 52.83 | 52.25 | 1.10 | ppb |
| Cadmium | 111-1 | 56.35 | 55.93 | 53.76 | 55.35 | 2.51 | ppb |
| Cadmium | 106-1 | 57.47 | 55.45 | 56.62 | 56.51 | 1.80 | ppb |
| Cadmium | 108-1 | 56.12 | 58.67 | 56.57 | 57.12 | 2.38 | ppb |
| Calcium | 43-1 | 5233.41 | 5070.20 | 5016.30 | 5106.64 | 2.21 | ppb |
| Calcium | 44-1 | 5200.78 | 5177.92 | 5050.97 | 5143.22 | 1.57 | ppb |
| Chromium | 52-2 | 50.87 | 48.73 | 50.01 | 49.87 | 2.17 | ppb |
| Cobalt | 59-2 | 51.64 | 49.83 | 50.96 | 50.81 | 1.79 | ppb |
| Copper | 63-2 | 103.16 | 98.79 | 101.76 | 101.24 | 2.20 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 105 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 98 | | % |
| Iron | 56-2 | 2723.16 | 2613.76 | 2688.23 | 2675.05 | 2.09 | ppb |
| Iron | 57-2 | 2610.75 | 2531.81 | 2572.45 | 2571.67 | 1.54 | ppb |
| Krypton | 83-1 | 376.05 | 362.38 | 614.46 | 450.97 | 31.43 | ppb |
| Lead | 206-1 | 50.57 | 50.72 | 49.86 | 50.38 | 0.91 | ppb |
| Lead | 207-1 | 49.82 | 50.51 | 49.00 | 49.78 | 1.52 | ppb |
| Lead | 208-1 | 50.23 | 50.73 | 49.63 | 50.20 | 1.10 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 5345.85 | 5041.86 | 5233.49 | 5207.07 | 2.95 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:22:15 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 105.48 | 102.84 | 107.23 | 105.19 | 2.10 | ppb |
| Molybdenum | 94-1 | 254.79 | 257.47 | 253.08 | 255.11 | 0.87 | ppb |
| Molybdenum | 95-1 | 252.96 | 255.27 | 250.93 | 253.05 | 0.86 | ppb |
| Molybdenum | 96-1 | 252.83 | 254.74 | 249.35 | 252.31 | 1.08 | ppb |
| Molybdenum | 97-1 | 247.58 | 252.30 | 248.21 | 249.36 | 1.03 | ppb |
| Molybdenum | 98-1 | 254.95 | 253.36 | 246.38 | 251.56 | 1.81 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 51.09 | 49.17 | 49.91 | 50.06 | 1.94 | ppb |
| Phosphorus | 31-2 | 1024.10 | 1063.99 | 897.17 | 995.09 | 8.75 | ppb |
| Potassium | 39-2 | 2668.58 | 2609.37 | 2684.67 | 2654.21 | 1.49 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 96 | | % |
| Selenium | 77-2 | 83.54 | 45.53 | 66.79 | 65.29 | 29.18 | ppb |
| Selenium | 78-2 | 60.32 | 61.69 | 60.29 | 60.77 | 1.31 | ppb |
| Selenium | 82-1 | 52.01 | 53.92 | 51.43 | 52.45 | 2.48 | ppb |
| Silicon | 28-1 | 59.25 | 60.83 | 56.52 | 58.87 | 3.71 | ppb |
| Silver | 109-1 | 57.49 | 57.87 | 55.59 | 56.98 | 2.15 | ppb |
| Silver | 107-1 | 57.75 | 57.27 | 56.47 | 57.16 | 1.12 | ppb |
| Sodium | 23-2 | 5292.20 | 5142.80 | 5231.94 | 5222.31 | 1.44 | ppb |
| Strontium | 86-1 | 51.14 | 51.27 | 50.86 | 51.09 | 0.40 | ppb |
| Strontium | 88-1 | 52.04 | 52.28 | 51.45 | 51.92 | 0.82 | ppb |
| Sulfur | 34-1 | 1106.81 | 1349.63 | 739.20 | 1065.21 | 28.85 | ppb |
| Terbium | 159-1 | | | | 105 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | 50.94 | 50.59 | 50.15 | 50.56 | 0.78 | ppb |
| Thallium | 205-1 | 50.49 | 50.99 | 49.95 | 50.48 | 1.03 | ppb |
| Tin | 118-1 | 54.49 | 54.46 | 53.19 | 54.05 | 1.38 | ppb |
| Titanium | 47-1 | 261.17 | 263.28 | 253.95 | 259.47 | 1.88 | ppb |
| Uranium | 238-1 | 47.96 | 48.13 | 46.52 | 47.54 | 1.86 | ppb |
| Vanadium | 51-2 | 51.76 | 49.98 | 52.12 | 51.28 | 2.23 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 98 | | % |
| Zinc | 66-2 | 103.05 | 101.53 | 104.93 | 103.17 | 1.65 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:22:15 | DataFile Name : | 006CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 50.95 | 50.78 | 50.21 | 50.65 | 0.77 | ppb |
| Zirconium | 91-1 | 49.86 | 50.57 | 49.98 | 50.13 | 0.76 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:25:59 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2416.88 | 2449.11 | 2428.80 | 2431.59 | 0.67 | ppb |
| Antimony | 121-1 | 131.61 | 128.67 | 132.91 | 131.06 | 1.66 | ppb |
| Arsenic | 75-1 | 119.71 | 118.99 | 124.34 | 121.01 | 2.40 | ppb |
| Barium | 135-1 | 657.75 | 644.61 | 655.65 | 652.67 | 1.08 | ppb |
| Barium | 137-1 | 663.60 | 643.80 | 667.15 | 658.19 | 1.91 | ppb |
| Beryllium | 9-1 | 130.61 | 128.28 | 135.25 | 131.38 | 2.70 | ppb |
| Bismuth | 209-1 | | | | 108 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Boron | 10-1 | 129.35 | 128.14 | 132.45 | 129.98 | 1.71 | ppb |
| Boron | 11-1 | 126.27 | 126.01 | 132.49 | 128.26 | 2.86 | ppb |
| Cadmium | 111-1 | 134.22 | 131.55 | 134.24 | 133.34 | 1.16 | ppb |
| Cadmium | 106-1 | 138.26 | 129.34 | 135.00 | 134.20 | 3.37 | ppb |
| Cadmium | 108-1 | 136.72 | 133.82 | 137.63 | 136.06 | 1.46 | ppb |
| Calcium | 43-1 | 12301.62 | 12247.70 | 12523.47 | 12357.60 | 1.18 | ppb |
| Calcium | 44-1 | 12319.71 | 12147.46 | 12609.55 | 12358.90 | 1.89 | ppb |
| Chromium | 52-2 | 130.15 | 127.79 | 130.85 | 129.59 | 1.24 | ppb |
| Cobalt | 59-2 | 122.81 | 121.14 | 124.00 | 122.65 | 1.17 | ppb |
| Copper | 63-2 | 246.47 | 241.07 | 248.50 | 245.35 | 1.56 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 106 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 6482.67 | 6357.43 | 6579.41 | 6473.17 | 1.72 | ppb |
| Iron | 57-2 | 6255.07 | 6190.89 | 6394.45 | 6280.13 | 1.66 | ppb |
| Krypton | 83-1 | 316.28 | 976.70 | 836.78 | 709.92 | 49.02 | ppb |
| Lead | 206-1 | 122.04 | 119.80 | 125.87 | 122.57 | 2.50 | ppb |
| Lead | 207-1 | 121.26 | 119.71 | 124.50 | 121.82 | 2.01 | ppb |
| Lead | 208-1 | 123.44 | 122.06 | 126.05 | 123.85 | 1.64 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 12687.80 | 12350.45 | 12686.06 | 12574.77 | 1.54 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:25:59 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 251.98 | 244.96 | 254.17 | 250.37 | 1.92 | ppb |
| Molybdenum | 94-1 | 627.25 | 617.39 | 629.93 | 624.85 | 1.06 | ppb |
| Molybdenum | 95-1 | 624.10 | 624.92 | 635.63 | 628.22 | 1.02 | ppb |
| Molybdenum | 96-1 | 621.95 | 612.69 | 628.79 | 621.14 | 1.30 | ppb |
| Molybdenum | 97-1 | 617.21 | 620.06 | 627.66 | 621.64 | 0.87 | ppb |
| Molybdenum | 98-1 | 610.19 | 607.97 | 626.02 | 614.73 | 1.60 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 127.41 | 125.32 | 130.63 | 127.79 | 2.09 | ppb |
| Phosphorus | 31-2 | 2723.97 | 2528.54 | 3120.76 | 2791.09 | 10.81 | ppb |
| Potassium | 39-2 | 6559.47 | 6290.43 | 6375.18 | 6408.36 | 2.15 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 101 | | % |
| Scandium | 45-2 | | | | 93 | | % |
| Selenium | 77-2 | 184.72 | 124.69 | 98.62 | 136.01 | 32.47 | ppb |
| Selenium | 78-2 | 126.29 | 132.37 | 122.74 | 127.14 | 3.83 | ppb |
| Selenium | 82-1 | 127.25 | 126.90 | 128.50 | 127.55 | 0.66 | ppb |
| Silicon | 28-1 | 146.37 | 144.78 | 150.64 | 147.26 | 2.06 | ppb |
| Silver | 109-1 | 136.91 | 135.25 | 138.47 | 136.88 | 1.18 | ppb |
| Silver | 107-1 | 138.58 | 136.46 | 139.29 | 138.11 | 1.07 | ppb |
| Sodium | 23-2 | 12608.26 | 12373.72 | 12785.27 | 12589.08 | 1.64 | ppb |
| Strontium | 86-1 | 124.32 | 122.93 | 125.39 | 124.21 | 0.99 | ppb |
| Strontium | 88-1 | 126.00 | 126.10 | 128.61 | 126.90 | 1.16 | ppb |
| Sulfur | 34-1 | 2600.89 | 2403.14 | 2801.27 | 2601.77 | 7.65 | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 122.81 | 121.99 | 128.44 | 124.41 | 2.83 | ppb |
| Thallium | 205-1 | 124.69 | 122.18 | 128.79 | 125.22 | 2.66 | ppb |
| Tin | 118-1 | 132.58 | 129.93 | 134.03 | 132.18 | 1.58 | ppb |
| Titanium | 47-1 | 624.16 | 618.88 | 641.22 | 628.09 | 1.86 | ppb |
| Uranium | 238-1 | 118.06 | 116.28 | 121.19 | 118.51 | 2.10 | ppb |
| Vanadium | 51-2 | 124.95 | 122.82 | 126.66 | 124.81 | 1.54 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 95 | | % |
| Zinc | 66-2 | 251.78 | 244.11 | 254.59 | 250.16 | 2.17 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:25:59 | DataFile Name : | 007CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 126.35 | 124.80 | 126.94 | 126.03 | 0.88 | ppb |
| Zirconium | 91-1 | 122.47 | 122.04 | 124.49 | 123.00 | 1.06 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:29:36 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4843.89 | 5028.07 | 4886.21 | 4919.39 | 1.96 | ppb |
| Antimony | 121-1 | 264.49 | 263.88 | 256.01 | 261.46 | 1.81 | ppb |
| Arsenic | 75-1 | 245.31 | 245.81 | 244.01 | 245.04 | 0.38 | ppb |
| Barium | 135-1 | 1333.06 | 1307.04 | 1274.06 | 1304.72 | 2.27 | ppb |
| Barium | 137-1 | 1309.63 | 1311.19 | 1248.87 | 1289.90 | 2.75 | ppb |
| Beryllium | 9-1 | 260.77 | 258.31 | 248.06 | 255.71 | 2.64 | ppb |
| Bismuth | 209-1 | | | | 111 | | % |
| Bismuth | 209-2 | | | | 98 | | % |
| Boron | 10-1 | 253.05 | 256.57 | 248.71 | 252.77 | 1.56 | ppb |
| Boron | 11-1 | 253.24 | 249.76 | 245.66 | 249.55 | 1.52 | ppb |
| Cadmium | 111-1 | 265.52 | 264.83 | 252.75 | 261.03 | 2.75 | ppb |
| Cadmium | 106-1 | 272.75 | 265.98 | 253.86 | 264.20 | 3.62 | ppb |
| Cadmium | 108-1 | 268.56 | 267.08 | 258.06 | 264.57 | 2.15 | ppb |
| Calcium | 43-1 | 25076.02 | 24835.28 | 24463.34 | 24791.55 | 1.25 | ppb |
| Calcium | 44-1 | 24807.13 | 24592.96 | 24361.41 | 24587.17 | 0.91 | ppb |
| Chromium | 52-2 | 404.36 | 406.47 | 411.71 | 407.51 | 0.93 | ppb |
| Cobalt | 59-2 | 250.16 | 253.92 | 256.46 | 253.51 | 1.25 | ppb |
| Copper | 63-2 | 501.64 | 508.34 | 512.07 | 507.35 | 1.04 | 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 | | | | 109 | | % |
| Holmium | 165-2 | | | | 98 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 89 | | % |
| Iron | 56-2 | 13483.33 | 13666.04 | 13725.55 | 13624.98 | 0.93 | ppb |
| Iron | 57-2 | 13284.09 | 13515.12 | 13607.04 | 13468.75 | 1.24 | ppb |
| Krypton | 83-1 | 1336.79 | 344.95 | 1129.29 | 937.01 | 55.83 | ppb |
| Lead | 206-1 | 251.23 | 253.90 | 243.20 | 249.44 | 2.23 | ppb |
| Lead | 207-1 | 252.96 | 250.26 | 248.04 | 250.42 | 0.98 | ppb |
| Lead | 208-1 | 253.39 | 252.38 | 246.68 | 250.82 | 1.44 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 25290.90 | 26083.57 | 25769.56 | 25714.68 | 1.55 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:29:36 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 518.03 | 527.41 | 536.15 | 527.20 | 1.72 | ppb |
| Molybdenum | 94-1 | 1278.84 | 1264.72 | 1250.67 | 1264.74 | 1.11 | ppb |
| Molybdenum | 95-1 | 1276.99 | 1283.78 | 1253.58 | 1271.45 | 1.25 | ppb |
| Molybdenum | 96-1 | 1269.85 | 1271.90 | 1245.64 | 1262.46 | 1.16 | ppb |
| Molybdenum | 97-1 | 1282.91 | 1280.97 | 1259.97 | 1274.62 | 1.00 | ppb |
| Molybdenum | 98-1 | 1264.31 | 1267.08 | 1227.34 | 1252.91 | 1.77 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 346.80 | 348.19 | 354.58 | 349.86 | 1.18 | ppb |
| Phosphorus | 31-2 | 5146.74 | 4839.21 | 4945.89 | 4977.28 | 3.14 | ppb |
| Potassium | 39-2 | 12669.93 | 12777.31 | 12796.44 | 12747.90 | 0.53 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 83 | | % |
| Selenium | 77-2 | 258.95 | 233.32 | 314.33 | 268.87 | 15.40 | ppb |
| Selenium | 78-2 | 256.46 | 244.42 | 263.09 | 254.65 | 3.72 | ppb |
| Selenium | 82-1 | 256.96 | 254.06 | 247.33 | 252.79 | 1.95 | ppb |
| Silicon | 28-1 | 271.05 | 273.46 | 269.85 | 271.45 | 0.68 | ppb |
| Silver | 109-1 | 276.93 | 277.03 | 260.81 | 271.59 | 3.44 | ppb |
| Silver | 107-1 | 278.48 | 276.04 | 265.05 | 273.19 | 2.62 | ppb |
| Sodium | 23-2 | 25289.37 | 26198.83 | 26254.87 | 25914.36 | 2.09 | ppb |
| Strontium | 86-1 | 252.59 | 250.53 | 246.07 | 249.73 | 1.33 | ppb |
| Strontium | 88-1 | 254.65 | 254.17 | 250.67 | 253.16 | 0.86 | ppb |
| Sulfur | 34-1 | 4999.24 | 4980.98 | 4777.91 | 4919.38 | 2.50 | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 253.92 | 255.29 | 249.77 | 252.99 | 1.14 | ppb |
| Thallium | 205-1 | 252.45 | 253.83 | 245.33 | 250.54 | 1.82 | ppb |
| Tin | 118-1 | 268.04 | 267.17 | 251.15 | 262.12 | 3.63 | ppb |
| Titanium | 47-1 | 1272.93 | 1285.36 | 1250.28 | 1269.52 | 1.40 | ppb |
| Uranium | 238-1 | 241.01 | 243.75 | 237.59 | 240.78 | 1.28 | ppb |
| Vanadium | 51-2 | 250.96 | 256.42 | 256.25 | 254.54 | 1.22 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 88 | | % |
| Zinc | 66-2 | 511.38 | 516.50 | 521.24 | 516.37 | 0.95 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:29:36 | DataFile Name : | 008CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 254.31 | 251.43 | 249.66 | 251.80 | 0.93 | ppb |
| Zirconium | 91-1 | 249.37 | 248.88 | 245.93 | 248.06 | 0.75 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:33:08 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10047.49 | 9697.64 | 9770.34 | 9838.49 | 1.88 | ppb |
| Antimony | 121-1 | 511.11 | 512.88 | 506.88 | 510.29 | 0.60 | ppb |
| Arsenic | 75-1 | 497.23 | 505.64 | 506.65 | 503.17 | 1.03 | ppb |
| Barium | 135-1 | 2524.44 | 2567.08 | 2528.18 | 2539.90 | 0.93 | ppb |
| Barium | 137-1 | 2519.21 | 2566.95 | 2517.74 | 2534.64 | 1.10 | ppb |
| Beryllium | 9-1 | 499.24 | 506.70 | 496.67 | 500.87 | 1.04 | ppb |
| Bismuth | 209-1 | | | | 113 | | % |
| Bismuth | 209-2 | | | | 96 | | % |
| Boron | 10-1 | 490.85 | 502.22 | 496.87 | 496.65 | 1.14 | ppb |
| Boron | 11-1 | 494.69 | 506.19 | 501.84 | 500.91 | 1.16 | ppb |
| Cadmium | 111-1 | 507.94 | 514.07 | 506.29 | 509.43 | 0.80 | ppb |
| Cadmium | 106-1 | 507.00 | 514.92 | 509.59 | 510.50 | 0.79 | ppb |
| Cadmium | 108-1 | 513.10 | 522.45 | 512.48 | 516.01 | 1.08 | ppb |
| Calcium | 43-1 | 49617.34 | 50963.62 | 50369.52 | 50316.83 | 1.34 | ppb |
| Calcium | 44-1 | 49540.80 | 50471.74 | 49718.83 | 49910.46 | 0.99 | ppb |
| Chromium | 52-2 | 496.39 | 482.24 | 490.87 | 489.83 | 1.46 | ppb |
| Cobalt | 59-2 | 507.22 | 494.11 | 506.58 | 502.64 | 1.47 | ppb |
| Copper | 63-2 | 1019.71 | 989.28 | 1013.83 | 1007.61 | 1.60 | 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 | | | | 96 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 83 | | % |
| Iron | 56-2 | 26257.28 | 25726.66 | 26035.63 | 26006.52 | 1.02 | ppb |
| Iron | 57-2 | 25602.72 | 25134.65 | 25650.00 | 25462.46 | 1.12 | ppb |
| Krypton | 83-1 | 649.46 | -41.66 | 1198.37 | 602.05 | 103.21 | ppb |
| Lead | 206-1 | 507.22 | 504.93 | 511.26 | 507.80 | 0.63 | ppb |
| Lead | 207-1 | 506.64 | 511.88 | 510.46 | 509.66 | 0.53 | ppb |
| Lead | 208-1 | 503.69 | 508.48 | 507.92 | 506.69 | 0.52 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 52506.07 | 51353.15 | 53065.19 | 52308.14 | 1.67 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:33:08 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1019.99 | 993.78 | 1015.89 | 1009.89 | 1.40 | ppb |
| Molybdenum | 94-1 | 2496.54 | 2531.91 | 2476.66 | 2501.71 | 1.12 | ppb |
| Molybdenum | 95-1 | 2502.59 | 2546.02 | 2502.76 | 2517.12 | 0.99 | ppb |
| Molybdenum | 96-1 | 2512.21 | 2534.65 | 2503.45 | 2516.77 | 0.64 | ppb |
| Molybdenum | 97-1 | 2500.62 | 2526.86 | 2494.90 | 2507.46 | 0.68 | ppb |
| Molybdenum | 98-1 | 2500.32 | 2531.96 | 2485.61 | 2505.97 | 0.95 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 503.71 | 491.88 | 500.68 | 498.76 | 1.23 | ppb |
| Phosphorus | 31-2 | 10370.14 | 10167.77 | 10468.90 | 10335.60 | 1.49 | ppb |
| Potassium | 39-2 | 25098.94 | 24259.23 | 24727.79 | 24695.32 | 1.70 | ppb |
| Rhodium | 103-1 | | | | 95 | | % |
| Rhodium | 103-2 | | | | 84 | | % |
| Scandium | 45-1 | | | | 89 | | % |
| Scandium | 45-2 | | | | 76 | | % |
| Selenium | 77-2 | 565.46 | 525.11 | 620.26 | 570.28 | 8.38 | ppb |
| Selenium | 78-2 | 488.18 | 500.35 | 541.19 | 509.91 | 5.45 | ppb |
| Selenium | 82-1 | 507.75 | 510.64 | 508.70 | 509.03 | 0.29 | ppb |
| Silicon | 28-1 | 523.72 | 530.19 | 527.30 | 527.07 | 0.62 | ppb |
| Silver | 109-1 | 517.23 | 521.27 | 515.35 | 517.95 | 0.58 | ppb |
| Silver | 107-1 | 516.31 | 521.87 | 513.65 | 517.27 | 0.81 | ppb |
| Sodium | 23-2 | 51716.62 | 50363.01 | 51571.43 | 51217.02 | 1.45 | ppb |
| Strontium | 86-1 | 501.40 | 502.39 | 502.23 | 502.01 | 0.11 | ppb |
| Strontium | 88-1 | 503.01 | 506.87 | 503.12 | 504.33 | 0.44 | ppb |
| Sulfur | 34-1 | 9925.79 | 10417.36 | 9978.62 | 10107.26 | 2.67 | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 506.89 | 512.71 | 510.64 | 510.08 | 0.58 | ppb |
| Thallium | 205-1 | 506.11 | 504.30 | 506.21 | 505.54 | 0.21 | ppb |
| Tin | 118-1 | 516.05 | 521.30 | 516.03 | 517.79 | 0.59 | ppb |
| Titanium | 47-1 | 2552.04 | 2567.82 | 2578.01 | 2565.95 | 0.51 | ppb |
| Uranium | 238-1 | 492.67 | 498.80 | 501.56 | 497.68 | 0.91 | ppb |
| Vanadium | 51-2 | 508.10 | 497.76 | 502.12 | 502.66 | 1.03 | ppb |
| Yttrium | 89-1 | | | | 97 | | % |
| Yttrium | 89-2 | | | | 81 | | % |
| Zinc | 66-2 | 1027.17 | 1005.31 | 1026.68 | 1019.72 | 1.22 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:33:08 | DataFile Name : | 009CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 499.22 | 506.10 | 500.12 | 501.81 | 0.75 | ppb |
| Zirconium | 91-1 | 506.29 | 509.78 | 501.13 | 505.73 | 0.86 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:36:36 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 19159.29 | 19665.30 | 19449.71 | 19424.77 | 1.31 | ppb |
| Antimony | 121-1 | 984.27 | 1005.99 | 982.95 | 991.07 | 1.31 | ppb |
| Arsenic | 75-1 | 1010.72 | 994.54 | 995.36 | 1000.20 | 0.91 | ppb |
| Barium | 135-1 | 4941.96 | 5013.28 | 4930.80 | 4962.02 | 0.90 | ppb |
| Barium | 137-1 | 4983.40 | 4999.19 | 4920.25 | 4967.62 | 0.84 | ppb |
| Beryllium | 9-1 | 1005.03 | 992.93 | 993.47 | 997.15 | 0.69 | ppb |
| Bismuth | 209-1 | | | | 115 | | % |
| Bismuth | 209-2 | | | | 95 | | % |
| Boron | 10-1 | 987.49 | 999.62 | 1013.09 | 1000.07 | 1.28 | ppb |
| Boron | 11-1 | 983.27 | 1005.51 | 1008.55 | 999.11 | 1.38 | ppb |
| Cadmium | 111-1 | 995.73 | 990.91 | 987.00 | 991.22 | 0.44 | ppb |
| Cadmium | 106-1 | 989.24 | 1002.83 | 977.10 | 989.72 | 1.30 | ppb |
| Cadmium | 108-1 | 985.08 | 997.76 | 977.00 | 986.61 | 1.06 | ppb |
| Calcium | 43-1 | 99055.53 | 97030.32 | 99962.17 | 98682.67 | 1.52 | ppb |
| Calcium | 44-1 | 98713.79 | 96973.14 | 98434.27 | 98040.40 | 0.95 | ppb |
| Chromium | 52-2 | 959.85 | 970.84 | 964.71 | 965.14 | 0.57 | ppb |
| Cobalt | 59-2 | 999.79 | 997.04 | 997.33 | 998.06 | 0.15 | ppb |
| Copper | 63-2 | 1995.72 | 2005.60 | 1983.32 | 1994.88 | 0.56 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 111 | | % |
| Holmium | 165-2 | | | | 95 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 79 | | % |
| Iron | 56-2 | 51011.29 | 51622.35 | 51060.89 | 51231.51 | 0.66 | ppb |
| Iron | 57-2 | 50417.02 | 50751.15 | 50078.90 | 50415.69 | 0.67 | ppb |
| Krypton | 83-1 | 663.43 | 1321.21 | 65.12 | 683.25 | 91.95 | ppb |
| Lead | 206-1 | 1006.16 | 992.51 | 990.90 | 996.52 | 0.84 | ppb |
| Lead | 207-1 | 995.84 | 998.25 | 992.33 | 995.47 | 0.30 | ppb |
| Lead | 208-1 | 1001.39 | 997.55 | 990.80 | 996.58 | 0.54 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 103121.03 | 102699.09 | 102586.08 | 102802.07 | 0.27 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:36:36 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1970.44 | 2005.41 | 1988.01 | 1987.95 | 0.88 | ppb |
| Molybdenum | 94-1 | 5021.76 | 5004.03 | 4959.88 | 4995.22 | 0.64 | ppb |
| Molybdenum | 95-1 | 5032.64 | 4973.22 | 4950.71 | 4985.52 | 0.85 | ppb |
| Molybdenum | 96-1 | 5059.57 | 4973.04 | 4934.00 | 4988.87 | 1.29 | ppb |
| Molybdenum | 97-1 | 5062.33 | 4989.86 | 4919.51 | 4990.57 | 1.43 | ppb |
| Molybdenum | 98-1 | 5074.19 | 4994.68 | 4923.62 | 4997.50 | 1.51 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 972.60 | 981.96 | 971.35 | 975.31 | 0.59 | ppb |
| Phosphorus | 31-2 | 19497.31 | 20831.99 | 19075.92 | 19801.74 | 4.63 | ppb |
| Potassium | 39-2 | 48414.94 | 48894.76 | 48952.79 | 48754.16 | 0.61 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 82 | | % |
| Scandium | 45-1 | | | | 88 | | % |
| Scandium | 45-2 | | | | 74 | | % |
| Selenium | 77-2 | 924.60 | 996.84 | 952.55 | 957.99 | 3.80 | ppb |
| Selenium | 78-2 | 989.68 | 1023.14 | 966.43 | 993.08 | 2.87 | ppb |
| Selenium | 82-1 | 1004.83 | 994.14 | 984.06 | 994.34 | 1.04 | ppb |
| Silicon | 28-1 | 984.11 | 971.00 | 978.36 | 977.82 | 0.67 | ppb |
| Silver | 109-1 | 980.18 | 991.78 | 979.42 | 983.79 | 0.70 | ppb |
| Silver | 107-1 | 989.19 | 991.83 | 969.68 | 983.57 | 1.23 | ppb |
| Sodium | 23-2 | 100347.14 | 101429.48 | 100196.10 | 100657.57 | 0.67 | ppb |
| Strontium | 86-1 | 1004.59 | 999.27 | 993.46 | 999.11 | 0.56 | ppb |
| Strontium | 88-1 | 1004.30 | 995.58 | 990.25 | 996.71 | 0.71 | ppb |
| Sulfur | 34-1 | 20154.28 | 19832.80 | 19864.57 | 19950.55 | 0.89 | ppb |
| Terbium | 159-1 | | | | 109 | | % |
| Terbium | 159-2 | | | | 95 | | % |
| Thallium | 203-1 | 999.88 | 990.09 | 992.80 | 994.26 | 0.51 | ppb |
| Thallium | 205-1 | 1006.97 | 991.56 | 992.60 | 997.05 | 0.86 | ppb |
| Tin | 118-1 | 987.36 | 994.62 | 978.93 | 986.97 | 0.80 | ppb |
| Titanium | 47-1 | 5011.90 | 4933.36 | 4938.59 | 4961.28 | 0.89 | ppb |
| Uranium | 238-1 | 1011.33 | 1002.84 | 999.04 | 1004.40 | 0.63 | ppb |
| Vanadium | 51-2 | 990.84 | 1004.13 | 997.51 | 997.50 | 0.67 | ppb |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 79 | | % |
| Zinc | 66-2 | 1975.42 | 1995.05 | 1987.14 | 1985.87 | 0.50 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:36:36 | DataFile Name : | 010CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1002.86 | 999.86 | 992.72 | 998.48 | 0.52 | ppb |
| Zirconium | 91-1 | 1008.68 | 998.95 | 985.95 | 997.86 | 1.14 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:40:02 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 99262.95 | 101370.29 | 99777.23 | 100136.82 | 1.10 | ppb |
| Antimony | 121-1 | 2.84 | 2.77 | 2.64 | 2.75 | 3.72 | ppb |
| Arsenic | 75-1 | 1.37 | 1.46 | 1.42 | 1.42 | 3.27 | ppb |
| Barium | 135-1 | 1.13 | 1.28 | 1.25 | 1.22 | 6.57 | ppb |
| Barium | 137-1 | 1.13 | 1.29 | 1.14 | 1.19 | 7.78 | ppb |
| Beryllium | 9-1 | 0.42 | 0.61 | 0.37 | 0.47 | 26.27 | ppb |
| Bismuth | 209-1 | | | | 106 | | % |
| Bismuth | 209-2 | | | | 90 | | % |
| Boron | 10-1 | 52.33 | 44.86 | 39.82 | 45.67 | 13.78 | ppb |
| Boron | 11-1 | 49.37 | 45.72 | 42.68 | 45.92 | 7.29 | ppb |
| Cadmium | 111-1 | -0.02 | 0.07 | 0.09 | 0.05 | 125.86 | ppb |
| Cadmium | 106-1 | -1.57 | -0.99 | -0.47 | -1.01 | | ppb |
| Cadmium | 108-1 | 0.30 | 0.20 | 0.14 | 0.22 | 36.00 | ppb |
| Calcium | 43-1 | 490172.44 | 506146.64 | 504415.01 | 500244.70 | 1.75 | ppb |
| Calcium | 44-1 | 492384.26 | 505575.16 | 503311.43 | 500423.62 | 1.41 | ppb |
| Chromium | 52-2 | 51.11 | 52.99 | 51.96 | 52.02 | 1.81 | ppb |
| Cobalt | 59-2 | 12.14 | 12.22 | 12.52 | 12.29 | 1.65 | ppb |
| Copper | 63-2 | 4.45 | 4.50 | 4.37 | 4.44 | 1.45 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 109 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 97 | | % |
| Indium | 115-2 | | | | 86 | | % |
| Iron | 56-2 | 247246.82 | 253175.61 | 248345.97 | 249589.47 | 1.26 | ppb |
| Iron | 57-2 | 248562.33 | 252235.29 | 248664.51 | 249820.71 | 0.84 | ppb |
| Krypton | 83-1 | 454.47 | 361.73 | 626.67 | 480.96 | 27.95 | ppb |
| Lead | 206-1 | 0.94 | 0.95 | 0.85 | 0.91 | 5.78 | ppb |
| Lead | 207-1 | 0.87 | 0.90 | 0.86 | 0.87 | 2.15 | ppb |
| Lead | 208-1 | 0.88 | 0.92 | 0.88 | 0.89 | 2.44 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 494652.13 | 505818.20 | 497036.98 | 499169.11 | 1.18 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:40:02 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 15.51 | 15.85 | 15.39 | 15.58 | 1.50 | ppb |
| Molybdenum | 94-1 | 7.11 | 7.26 | 6.66 | 7.01 | 4.45 | ppb |
| Molybdenum | 95-1 | 9.23 | 9.40 | 9.04 | 9.22 | 1.93 | ppb |
| Molybdenum | 96-1 | 9.55 | 9.32 | 9.10 | 9.33 | 2.40 | ppb |
| Molybdenum | 97-1 | 9.67 | 9.17 | 8.63 | 9.16 | 5.69 | ppb |
| Molybdenum | 98-1 | 9.17 | 9.30 | 8.90 | 9.13 | 2.24 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 41.34 | 41.80 | 42.21 | 41.78 | 1.04 | ppb |
| Phosphorus | 31-2 | 3.27 | 81.92 | 3.20 | 29.46 | 154.19 | ppb |
| Potassium | 39-2 | 249309.83 | 252431.20 | 249044.05 | 250261.70 | 0.75 | ppb |
| Rhodium | 103-1 | | | | 89 | | % |
| Rhodium | 103-2 | | | | 83 | | % |
| Scandium | 45-1 | | | | 90 | | % |
| Scandium | 45-2 | | | | 82 | | % |
| Selenium | 77-2 | 0.00 | 4.75 | 0.00 | 1.58 | 173.21 | ppb |
| Selenium | 78-2 | 1.98 | 1.25 | 0.51 | 1.25 | 58.85 | ppb |
| Selenium | 82-1 | 0.77 | 0.75 | 1.14 | 0.89 | 24.75 | ppb |
| Silicon | 28-1 | 10.45 | 12.69 | 11.91 | 11.68 | 9.74 | ppb |
| Silver | 109-1 | 0.15 | 0.14 | 0.13 | 0.14 | 8.25 | ppb |
| Silver | 107-1 | 0.14 | 0.12 | 0.12 | 0.13 | 6.92 | ppb |
| Sodium | 23-2 | 495828.19 | 504398.71 | 498862.92 | 499696.61 | 0.87 | ppb |
| Strontium | 86-1 | 4.53 | 5.11 | 4.65 | 4.76 | 6.44 | ppb |
| Strontium | 88-1 | 4.81 | 4.85 | 4.80 | 4.82 | 0.63 | ppb |
| Sulfur | 34-1 | -665.39 | -295.80 | -234.74 | -398.64 | | ppb |
| Terbium | 159-1 | | | | 106 | | % |
| Terbium | 159-2 | | | | 96 | | % |
| Thallium | 203-1 | 0.52 | 0.49 | 0.43 | 0.48 | 9.38 | ppb |
| Thallium | 205-1 | 0.48 | 0.46 | 0.44 | 0.46 | 4.94 | ppb |
| Tin | 118-1 | 2.38 | 2.42 | 2.40 | 2.40 | 0.87 | ppb |
| Titanium | 47-1 | 1.35 | 1.68 | 1.55 | 1.53 | 10.83 | ppb |
| Uranium | 238-1 | 0.08 | 0.08 | 0.07 | 0.08 | 7.28 | ppb |
| Vanadium | 51-2 | 0.50 | 0.59 | 0.35 | 0.48 | 24.68 | ppb |
| Yttrium | 89-1 | | | | 96 | | % |
| Yttrium | 89-2 | | | | 86 | | % |
| Zinc | 66-2 | 15.99 | 16.04 | 13.75 | 15.26 | 8.58 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:40:02 | DataFile Name : | 011CALS.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.36 | 0.38 | 0.35 | 0.37 | 3.22 | ppb |
| Zirconium | 91-1 | 0.41 | 0.32 | 0.36 | 0.36 | 11.75 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:03:47 | DataFile Name : | 012ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 462.13 | 462.42 | 460.19 | 461.58 | 0.26 | ppb |
| Antimony | 121-1 | 201.10 | 204.53 | 201.27 | 202.30 | 0.96 | ppb |
| Arsenic | 75-1 | 184.24 | 184.50 | 188.77 | 185.84 | 1.37 | ppb |
| Barium | 135-1 | 99.40 | 99.91 | 99.48 | 99.60 | 0.28 | ppb |
| Barium | 137-1 | 99.88 | 100.27 | 100.55 | 100.23 | 0.34 | ppb |
| Beryllium | 9-1 | 94.89 | 97.04 | 96.82 | 96.25 | 1.23 | ppb |
| Bismuth | 209-1 | | | | 114 | | % |
| Bismuth | 209-2 | | | | 99 | | % |
| Boron | 10-1 | 449.63 | 477.97 | 479.60 | 469.07 | 3.59 | ppb |
| Boron | 11-1 | 447.16 | 472.94 | 475.38 | 465.16 | 3.36 | ppb |
| Cadmium | 111-1 | 104.37 | 104.69 | 105.20 | 104.75 | 0.40 | ppb |
| Cadmium | 106-1 | 161.09 | 163.05 | 169.84 | 164.66 | 2.79 | ppb |
| Cadmium | 108-1 | 131.87 | 138.98 | 130.21 | 133.69 | 3.48 | ppb |
| Calcium | 43-1 | 2115.11 | 2027.20 | 2071.88 | 2071.40 | 2.12 | ppb |
| Calcium | 44-1 | 2008.84 | 1977.67 | 2032.31 | 2006.27 | 1.37 | ppb |
| Chromium | 52-2 | 90.74 | 93.10 | 90.95 | 91.60 | 1.43 | ppb |
| Cobalt | 59-2 | 96.04 | 99.53 | 96.88 | 97.48 | 1.87 | ppb |
| Copper | 63-2 | 96.85 | 98.99 | 97.03 | 97.62 | 1.22 | 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 | | | | 111 | | % |
| Holmium | 165-2 | | | | 99 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 56-2 | 994.77 | 1017.84 | 986.87 | 999.83 | 1.61 | ppb |
| Iron | 57-2 | 1005.82 | 997.73 | 986.94 | 996.83 | 0.95 | ppb |
| Krypton | 83-1 | 1192.49 | 616.59 | 484.79 | 764.62 | 49.22 | ppb |
| Lead | 206-1 | 192.08 | 195.18 | 194.17 | 193.81 | 0.82 | ppb |
| Lead | 207-1 | 185.24 | 187.08 | 185.48 | 185.93 | 0.54 | ppb |
| Lead | 208-1 | 191.59 | 194.54 | 193.51 | 193.22 | 0.77 | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | 1185.75 | 1228.43 | 1169.80 | 1194.66 | 2.54 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:03:47 | DataFile Name : | 012ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 94.30 | 98.35 | 94.19 | 95.61 | 2.48 | ppb |
| Molybdenum | 94-1 | 1063.65 | 1088.05 | 1080.19 | 1077.30 | 1.16 | ppb |
| Molybdenum | 95-1 | 496.81 | 497.77 | 495.85 | 496.81 | 0.19 | ppb |
| Molybdenum | 96-1 | 567.51 | 562.78 | 559.41 | 563.24 | 0.72 | ppb |
| Molybdenum | 97-1 | 474.65 | 476.75 | 479.91 | 477.10 | 0.55 | ppb |
| Molybdenum | 98-1 | 483.71 | 486.00 | 488.61 | 486.11 | 0.50 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 95.65 | 98.51 | 95.56 | 96.57 | 1.73 | ppb |
| Phosphorus | 31-2 | 19.59 | 2.49 | -15.90 | 2.06 | 861.36 | ppb |
| Potassium | 39-2 | 1952.61 | 2053.10 | 2050.70 | 2018.80 | 2.84 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 93 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 88 | | % |
| Selenium | 77-2 | 245.01 | 269.50 | 247.91 | 254.14 | 5.26 | ppb |
| Selenium | 78-2 | 185.92 | 205.36 | 187.42 | 192.90 | 5.61 | ppb |
| Selenium | 82-1 | 196.05 | 197.87 | 198.49 | 197.47 | 0.64 | ppb |
| Silicon | 28-1 | 501.39 | 495.44 | 506.21 | 501.01 | 1.08 | ppb |
| Silver | 109-1 | 91.61 | 92.87 | 92.72 | 92.40 | 0.74 | ppb |
| Silver | 107-1 | 92.90 | 93.27 | 92.57 | 92.92 | 0.38 | ppb |
| Sodium | 23-2 | 1989.33 | 2044.14 | 1992.19 | 2008.55 | 1.54 | ppb |
| Strontium | 86-1 | 479.76 | 484.26 | 481.55 | 481.86 | 0.47 | ppb |
| Strontium | 88-1 | 490.24 | 494.35 | 490.40 | 491.66 | 0.47 | ppb |
| Sulfur | 34-1 | -679.92 | -722.15 | -670.64 | -690.90 | | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 200.08 | 197.86 | 198.10 | 198.68 | 0.61 | ppb |
| Thallium | 205-1 | 197.14 | 200.24 | 199.87 | 199.08 | 0.85 | ppb |
| Tin | 118-1 | 513.14 | 512.04 | 518.30 | 514.50 | 0.65 | ppb |
| Titanium | 47-1 | 483.82 | 483.85 | 492.65 | 486.78 | 1.05 | ppb |
| Uranium | 238-1 | 466.43 | 468.37 | 470.55 | 468.45 | 0.44 | ppb |
| Vanadium | 51-2 | 95.48 | 97.02 | 94.30 | 95.60 | 1.43 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 90 | | % |
| Zinc | 66-2 | 191.46 | 198.82 | 193.86 | 194.72 | 1.93 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:03:47 | DataFile Name : | 012ICV01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 482.29 | 480.85 | 479.94 | 481.03 | 0.25 | ppb |
| Zirconium | 91-1 | 485.61 | 491.93 | 480.81 | 486.12 | 1.15 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:07:06 | DataFile Name : | 013LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 21.34 | 17.05 | 24.37 | 20.92 | 17.59 | ppb |
| Antimony | 121-1 | 2.69 | 2.57 | 2.53 | 2.60 | 3.40 | ppb |
| Arsenic | 75-1 | 1.05 | 1.06 | 0.96 | 1.02 | 5.27 | ppb |
| Barium | 135-1 | 10.65 | 9.90 | 10.25 | 10.26 | 3.66 | ppb |
| Barium | 137-1 | 10.46 | 10.09 | 9.95 | 10.17 | 2.60 | ppb |
| Beryllium | 9-1 | 1.04 | 0.96 | 0.94 | 0.98 | 5.17 | ppb |
| Bismuth | 209-1 | | | | 113 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Boron | 10-1 | 45.38 | 42.65 | 40.58 | 42.87 | 5.61 | ppb |
| Boron | 11-1 | 44.30 | 44.49 | 41.95 | 43.58 | 3.25 | ppb |
| Cadmium | 111-1 | 0.90 | 0.91 | 0.89 | 0.90 | 1.16 | ppb |
| Cadmium | 106-1 | 0.13 | 0.67 | 0.10 | 0.30 | 106.01 | ppb |
| Cadmium | 108-1 | 0.78 | 0.91 | 1.07 | 0.92 | 15.73 | ppb |
| Calcium | 43-1 | 488.27 | 484.22 | 495.96 | 489.48 | 1.22 | ppb |
| Calcium | 44-1 | 496.05 | 473.57 | 485.83 | 485.15 | 2.32 | ppb |
| Chromium | 52-2 | 1.97 | 2.02 | 1.93 | 1.97 | 2.26 | ppb |
| Cobalt | 59-2 | 0.96 | 0.96 | 0.88 | 0.93 | 4.88 | ppb |
| Copper | 63-2 | 1.99 | 1.93 | 2.01 | 1.98 | 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 | | | | 110 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 53.03 | 53.50 | 52.72 | 53.08 | 0.74 | ppb |
| Iron | 57-2 | 55.15 | 56.24 | 45.13 | 52.17 | 11.74 | ppb |
| Krypton | 83-1 | 1304.63 | 550.18 | 573.19 | 809.33 | 53.02 | ppb |
| Lead | 206-1 | 1.01 | 0.97 | 0.98 | 0.98 | 2.03 | ppb |
| Lead | 207-1 | 0.96 | 0.90 | 0.94 | 0.93 | 3.58 | ppb |
| Lead | 208-1 | 0.97 | 0.94 | 0.95 | 0.96 | 1.43 | ppb |
| Lithium | 6-1 | | | | 105 | | % |
| Magnesium | 24-2 | 539.38 | 559.71 | 521.56 | 540.22 | 3.53 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:07:06 | DataFile Name : | 013LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.83 | 0.77 | 0.81 | 0.81 | 4.00 | ppb |
| Molybdenum | 94-1 | 5.39 | 5.29 | 5.45 | 5.38 | 1.50 | ppb |
| Molybdenum | 95-1 | 5.34 | 5.19 | 5.32 | 5.28 | 1.61 | ppb |
| Molybdenum | 96-1 | 5.31 | 5.02 | 5.25 | 5.19 | 2.94 | ppb |
| Molybdenum | 97-1 | 5.17 | 5.13 | 5.15 | 5.15 | 0.32 | ppb |
| Molybdenum | 98-1 | 5.42 | 5.21 | 5.12 | 5.25 | 2.88 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.98 | 0.97 | 0.89 | 0.95 | 5.00 | ppb |
| Phosphorus | 31-2 | 2.01 | -15.90 | 19.19 | 1.77 | 993.38 | ppb |
| Potassium | 39-2 | 501.44 | 513.94 | 501.38 | 505.58 | 1.43 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 77-2 | 0.00 | 22.51 | 4.42 | 8.98 | 132.83 | ppb |
| Selenium | 78-2 | 7.42 | 8.11 | 5.93 | 7.15 | 15.56 | ppb |
| Selenium | 82-1 | 6.04 | 5.12 | 5.33 | 5.49 | 8.79 | ppb |
| Silicon | 28-1 | 11.06 | 8.23 | 8.54 | 9.28 | 16.67 | ppb |
| Silver | 109-1 | 1.12 | 1.11 | 1.13 | 1.12 | 0.96 | ppb |
| Silver | 107-1 | 1.14 | 1.05 | 1.15 | 1.11 | 4.68 | ppb |
| Sodium | 23-2 | 562.77 | 563.61 | 533.26 | 553.21 | 3.12 | ppb |
| Strontium | 86-1 | 1.06 | 0.96 | 0.96 | 0.99 | 5.64 | ppb |
| Strontium | 88-1 | 1.08 | 1.02 | 1.04 | 1.04 | 2.75 | ppb |
| Sulfur | 34-1 | -735.70 | -1184.68 | -844.75 | -921.71 | | ppb |
| Terbium | 159-1 | | | | 109 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 1.02 | 1.01 | 1.09 | 1.04 | 3.89 | ppb |
| Thallium | 205-1 | 1.06 | 0.99 | 1.03 | 1.03 | 3.47 | ppb |
| Tin | 118-1 | 5.56 | 5.45 | 5.50 | 5.51 | 1.01 | ppb |
| Titanium | 47-1 | 4.94 | 4.63 | 4.92 | 4.83 | 3.56 | ppb |
| Uranium | 238-1 | 0.92 | 0.85 | 0.90 | 0.89 | 4.19 | ppb |
| Vanadium | 51-2 | 4.74 | 5.12 | 4.95 | 4.93 | 3.91 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 91 | | % |
| Zinc | 66-2 | 2.31 | 2.39 | 2.13 | 2.28 | 5.86 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:07:06 | DataFile Name : | 013LLIC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1.21 | 1.13 | 1.11 | 1.15 | 4.29 | ppb |
| Zirconium | 91-1 | 1.11 | 1.11 | 1.12 | 1.11 | 0.23 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:19:40 | DataFile Name : | 015CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3.17 | 0.18 | 0.54 | 1.30 | 126.04 | ppb |
| Antimony | 121-1 | 0.15 | 0.15 | 0.18 | 0.16 | 11.20 | ppb |
| Arsenic | 75-1 | -0.06 | -0.06 | -0.05 | -0.06 | | ppb |
| Barium | 135-1 | -0.13 | -0.13 | -0.12 | -0.13 | | ppb |
| Barium | 137-1 | -0.14 | -0.15 | -0.14 | -0.14 | | ppb |
| Beryllium | 9-1 | -0.08 | -0.09 | -0.12 | -0.10 | | ppb |
| Bismuth | 209-1 | | | | 113 | | % |
| Bismuth | 209-2 | | | | 100 | | % |
| Boron | 10-1 | 4.10 | 3.83 | 3.88 | 3.94 | 3.62 | ppb |
| Boron | 11-1 | 4.31 | 4.23 | 4.24 | 4.26 | 1.01 | ppb |
| Cadmium | 111-1 | -0.12 | -0.12 | -0.11 | -0.12 | | ppb |
| Cadmium | 106-1 | -0.78 | -0.75 | -0.61 | -0.71 | | ppb |
| Cadmium | 108-1 | -0.04 | -0.07 | -0.01 | -0.04 | | ppb |
| Calcium | 43-1 | -3.26 | -1.98 | 0.66 | -1.53 | | ppb |
| Calcium | 44-1 | -7.39 | -4.88 | -6.40 | -6.22 | | ppb |
| Chromium | 52-2 | -0.14 | -0.14 | -0.10 | -0.13 | | ppb |
| Cobalt | 59-2 | -0.12 | -0.12 | -0.13 | -0.12 | | ppb |
| Copper | 63-2 | -0.07 | -0.07 | -0.10 | -0.08 | | 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 | | | | 100 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 0.35 | 0.29 | 0.26 | 0.30 | 16.41 | ppb |
| Iron | 57-2 | -0.61 | 0.38 | -0.32 | -0.18 | | ppb |
| Krypton | 83-1 | 909.20 | 1092.67 | 868.13 | 956.67 | 12.50 | ppb |
| Lead | 206-1 | -0.10 | -0.10 | -0.09 | -0.10 | | ppb |
| Lead | 207-1 | -0.11 | -0.09 | -0.10 | -0.10 | | ppb |
| Lead | 208-1 | -0.10 | -0.10 | -0.09 | -0.10 | | ppb |
| Lithium | 6-1 | | | | 106 | | % |
| Magnesium | 24-2 | -3.77 | -4.49 | -4.70 | -4.32 | | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:19:40 | DataFile Name : | 015CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | -0.18 | -0.07 | -0.20 | -0.15 | | ppb |
| Molybdenum | 94-1 | -0.01 | 0.02 | -0.01 | 0.00 | | ppb |
| Molybdenum | 95-1 | -0.05 | -0.04 | -0.05 | -0.05 | | ppb |
| Molybdenum | 96-1 | -0.03 | -0.05 | -0.05 | -0.05 | | ppb |
| Molybdenum | 97-1 | -0.03 | -0.03 | -0.01 | -0.02 | | ppb |
| Molybdenum | 98-1 | -0.04 | -0.04 | -0.03 | -0.04 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.13 | -0.23 | -0.25 | -0.20 | | ppb |
| Phosphorus | 31-2 | -15.90 | -15.90 | -15.90 | -15.90 | | ppb |
| Potassium | 39-2 | 16.23 | 10.20 | 9.93 | 12.12 | 29.38 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 0.47 | -0.21 | 1.17 | 0.47 | 145.42 | ppb |
| Selenium | 82-1 | 0.32 | 0.62 | 0.35 | 0.43 | 38.78 | ppb |
| Silicon | 28-1 | -10.83 | -8.27 | -8.06 | -9.05 | | ppb |
| Silver | 109-1 | 0.00 | 0.01 | 0.00 | 0.00 | 24.70 | ppb |
| Silver | 107-1 | 0.00 | 0.00 | 0.01 | 0.00 | 53.55 | ppb |
| Sodium | 23-2 | 34.56 | 25.41 | 28.13 | 29.37 | 16.00 | ppb |
| Strontium | 86-1 | 0.00 | -0.02 | -0.02 | -0.01 | | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Sulfur | 34-1 | -948.71 | -640.85 | -436.23 | -675.26 | | ppb |
| Terbium | 159-1 | | | | 109 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | -0.03 | -0.02 | -0.02 | -0.02 | | ppb |
| Thallium | 205-1 | -0.03 | -0.02 | -0.03 | -0.03 | | ppb |
| Tin | 118-1 | 0.01 | 0.00 | -0.01 | 0.00 | | ppb |
| Titanium | 47-1 | -0.07 | -0.02 | -0.04 | -0.04 | | ppb |
| Uranium | 238-1 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Vanadium | 51-2 | -0.05 | -0.06 | -0.05 | -0.06 | | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 92 | | % |
| Zinc | 66-2 | -0.21 | -0.23 | -0.29 | -0.24 | | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:19:40 | DataFile Name : | 015CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.02 | 0.02 | 0.01 | 0.02 | 25.70 | ppb |
| Zirconium | 91-1 | 0.02 | 0.02 | 0.02 | 0.02 | 16.42 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:23:04 | DataFile Name : | 016ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 90869.07 | 88989.78 | 92530.80 | 90796.55 | 1.95 | ppb |
| Antimony | 121-1 | 1.21 | 1.16 | 1.19 | 1.19 | 1.99 | ppb |
| Arsenic | 75-1 | 1.42 | 1.51 | 1.51 | 1.48 | 3.72 | ppb |
| Barium | 135-1 | 1.32 | 1.29 | 1.40 | 1.34 | 4.23 | ppb |
| Barium | 137-1 | 1.32 | 1.33 | 1.36 | 1.34 | 1.90 | ppb |
| Beryllium | 9-1 | 0.17 | 0.11 | 0.12 | 0.13 | 24.74 | ppb |
| Bismuth | 209-1 | | | | 112 | | % |
| Bismuth | 209-2 | | | | 95 | | % |
| Boron | 10-1 | 5.15 | 5.98 | 5.72 | 5.62 | 7.59 | ppb |
| Boron | 11-1 | 5.74 | 5.73 | 5.59 | 5.69 | 1.52 | ppb |
| Cadmium | 111-1 | 0.15 | 0.18 | 0.17 | 0.17 | 8.71 | ppb |
| Cadmium | 106-1 | -1.25 | -0.84 | -1.72 | -1.27 | | ppb |
| Cadmium | 108-1 | 8.67 | 8.57 | 8.02 | 8.42 | 4.19 | ppb |
| Calcium | 43-1 | 97990.04 | 95605.26 | 97328.53 | 96974.61 | 1.27 | ppb |
| Calcium | 44-1 | 96354.38 | 94921.84 | 96611.52 | 95962.58 | 0.95 | ppb |
| Chromium | 52-2 | 23.11 | 22.63 | 23.94 | 23.23 | 2.85 | ppb |
| Cobalt | 59-2 | 1.13 | 1.05 | 1.12 | 1.10 | 4.27 | ppb |
| Copper | 63-2 | 7.75 | 7.52 | 7.83 | 7.70 | 2.08 | 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 | | | | 98 | | % |
| Indium | 115-1 | | | | 101 | | % |
| Indium | 115-2 | | | | 87 | | % |
| Iron | 56-2 | 101832.44 | 99531.49 | 103184.93 | 101516.29 | 1.82 | ppb |
| Iron | 57-2 | 99966.63 | 100069.90 | 103898.43 | 101311.65 | 2.21 | ppb |
| Krypton | 83-1 | 1140.39 | 1229.77 | 467.48 | 945.88 | 44.06 | ppb |
| Lead | 206-1 | 4.65 | 4.65 | 4.57 | 4.62 | 1.01 | ppb |
| Lead | 207-1 | 4.06 | 3.99 | 4.00 | 4.01 | 0.89 | ppb |
| Lead | 208-1 | 4.31 | 4.27 | 4.20 | 4.26 | 1.29 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 101034.25 | 99829.85 | 103384.96 | 101416.35 | 1.78 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:23:04 | DataFile Name : | 016ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 8.74 | 8.25 | 8.57 | 8.52 | 2.94 | ppb |
| Molybdenum | 94-1 | 1373.25 | 1338.37 | 1364.31 | 1358.64 | 1.33 | ppb |
| Molybdenum | 95-1 | 1939.48 | 1924.35 | 1964.61 | 1942.81 | 1.05 | ppb |
| Molybdenum | 96-1 | 1875.86 | 1845.57 | 1869.00 | 1863.47 | 0.85 | ppb |
| Molybdenum | 97-1 | 1935.73 | 1922.43 | 1942.58 | 1933.58 | 0.53 | ppb |
| Molybdenum | 98-1 | 1933.40 | 1915.90 | 1941.17 | 1930.16 | 0.67 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 8.17 | 7.79 | 8.50 | 8.15 | 4.35 | ppb |
| Phosphorus | 31-2 | 98457.44 | 95630.04 | 98812.51 | 97633.33 | 1.79 | ppb |
| Potassium | 39-2 | 100986.79 | 99892.23 | 102496.30 | 101125.11 | 1.29 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 87 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 82 | | % |
| Selenium | 77-2 | 9.43 | 0.00 | 4.78 | 4.73 | 99.57 | ppb |
| Selenium | 78-2 | -0.21 | -0.21 | 0.52 | 0.03 | 1258.52 | ppb |
| Selenium | 82-1 | 0.62 | 0.71 | 0.09 | 0.47 | 70.63 | ppb |
| Silicon | 28-1 | 25.55 | 24.90 | 25.60 | 25.35 | 1.53 | ppb |
| Silver | 109-1 | 0.06 | 0.07 | 0.09 | 0.07 | 24.37 | ppb |
| Silver | 107-1 | 0.05 | 0.06 | 0.07 | 0.06 | 22.73 | ppb |
| Sodium | 23-2 | 100280.33 | 98529.55 | 102266.17 | 100358.68 | 1.86 | ppb |
| Strontium | 86-1 | 32.92 | 32.63 | 33.54 | 33.03 | 1.40 | ppb |
| Strontium | 88-1 | 34.42 | 33.57 | 33.92 | 33.97 | 1.26 | ppb |
| Sulfur | 34-1 | 85692.93 | 81912.21 | 83467.64 | 83690.93 | 2.27 | ppb |
| Terbium | 159-1 | | | | 109 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 0.02 | 0.03 | 0.02 | 0.02 | 30.44 | ppb |
| Thallium | 205-1 | 0.01 | 0.03 | 0.04 | 0.03 | 46.57 | ppb |
| Tin | 118-1 | 0.46 | 0.21 | 0.18 | 0.28 | 54.26 | ppb |
| Titanium | 47-1 | 2027.35 | 1975.77 | 2013.83 | 2005.65 | 1.33 | ppb |
| Uranium | 238-1 | -0.11 | -0.10 | -0.11 | -0.10 | | ppb |
| Vanadium | 51-2 | 0.11 | 0.08 | 0.08 | 0.09 | 21.00 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 86 | | % |
| Zinc | 66-2 | 11.70 | 12.63 | 12.94 | 12.42 | 5.18 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:23:04 | DataFile Name : | 016ICSA01.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.37 | 0.28 | 0.28 | 0.31 | 17.64 | ppb |
| Zirconium | 91-1 | 0.36 | 0.32 | 0.18 | 0.29 | 33.74 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:26:22 | DataFile Name : | 017ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 88485.07 | 89363.93 | 87839.95 | 88562.98 | 0.86 | ppb |
| Antimony | 121-1 | 20.92 | 20.19 | 20.53 | 20.55 | 1.77 | ppb |
| Arsenic | 75-1 | 20.52 | 20.47 | 20.17 | 20.38 | 0.92 | ppb |
| Barium | 135-1 | 21.72 | 21.10 | 21.59 | 21.47 | 1.54 | ppb |
| Barium | 137-1 | 21.57 | 21.10 | 21.37 | 21.34 | 1.12 | ppb |
| Beryllium | 9-1 | 20.61 | 20.15 | 19.25 | 20.00 | 3.44 | ppb |
| Bismuth | 209-1 | | | | 112 | | % |
| Bismuth | 209-2 | | | | 95 | | % |
| Boron | 10-1 | 602.64 | 598.99 | 586.56 | 596.06 | 1.41 | ppb |
| Boron | 11-1 | 595.10 | 592.23 | 570.55 | 585.96 | 2.29 | ppb |
| Cadmium | 111-1 | 19.58 | 19.10 | 19.24 | 19.31 | 1.29 | ppb |
| Cadmium | 106-1 | 14.50 | 15.49 | 15.88 | 15.29 | 4.63 | ppb |
| Cadmium | 108-1 | 27.01 | 27.73 | 25.32 | 26.69 | 4.63 | ppb |
| Calcium | 43-1 | 95394.68 | 94479.68 | 92279.73 | 94051.36 | 1.70 | ppb |
| Calcium | 44-1 | 94456.60 | 93516.55 | 91930.63 | 93301.26 | 1.37 | ppb |
| Chromium | 52-2 | 44.72 | 43.93 | 43.04 | 43.90 | 1.92 | ppb |
| Cobalt | 59-2 | 20.90 | 21.09 | 20.79 | 20.93 | 0.74 | ppb |
| Copper | 63-2 | 27.13 | 27.44 | 26.93 | 27.17 | 0.93 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 112 | | % |
| Holmium | 165-2 | | | | 99 | | % |
| Indium | 115-1 | | | | 100 | | % |
| Indium | 115-2 | | | | 85 | | % |
| Iron | 56-2 | 99516.10 | 100448.81 | 98958.39 | 99641.10 | 0.76 | ppb |
| Iron | 57-2 | 98010.17 | 98665.32 | 97093.91 | 97923.14 | 0.81 | ppb |
| Krypton | 83-1 | 1108.13 | 773.63 | 1032.53 | 971.43 | 18.06 | ppb |
| Lead | 206-1 | 24.75 | 24.53 | 24.26 | 24.51 | 1.00 | ppb |
| Lead | 207-1 | 22.66 | 22.56 | 22.42 | 22.54 | 0.53 | ppb |
| Lead | 208-1 | 23.60 | 23.39 | 23.15 | 23.38 | 0.96 | ppb |
| Lithium | 6-1 | | | | 97 | | % |
| Magnesium | 24-2 | 99595.76 | 100422.13 | 98662.52 | 99560.14 | 0.88 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:26:22 | DataFile Name : | 017ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 28.73 | 28.52 | 26.38 | 27.88 | 4.66 | ppb |
| Molybdenum | 94-1 | 1684.99 | 1628.82 | 1648.41 | 1654.07 | 1.72 | ppb |
| Molybdenum | 95-1 | 2387.38 | 2363.61 | 2376.49 | 2375.82 | 0.50 | ppb |
| Molybdenum | 96-1 | 2294.63 | 2265.90 | 2263.92 | 2274.82 | 0.76 | ppb |
| Molybdenum | 97-1 | 2392.23 | 2347.91 | 2365.27 | 2368.47 | 0.94 | ppb |
| Molybdenum | 98-1 | 2383.93 | 2351.01 | 2355.52 | 2363.49 | 0.76 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 28.47 | 27.79 | 28.45 | 28.24 | 1.37 | ppb |
| Phosphorus | 31-2 | 96375.80 | 95720.36 | 94935.42 | 95677.19 | 0.75 | ppb |
| Potassium | 39-2 | 99173.36 | 99701.54 | 97856.62 | 98910.51 | 0.96 | ppb |
| Rhodium | 103-1 | | | | 96 | | % |
| Rhodium | 103-2 | | | | 87 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 81 | | % |
| Selenium | 77-2 | 14.47 | 37.68 | 19.02 | 23.72 | 51.85 | ppb |
| Selenium | 78-2 | 25.06 | 29.56 | 16.66 | 23.76 | 27.57 | ppb |
| Selenium | 82-1 | 19.37 | 20.06 | 20.08 | 19.84 | 2.05 | ppb |
| Silicon | 28-1 | 513.57 | 513.27 | 511.88 | 512.91 | 0.18 | ppb |
| Silver | 109-1 | 19.05 | 18.85 | 18.99 | 18.97 | 0.54 | ppb |
| Silver | 107-1 | 19.25 | 18.77 | 19.04 | 19.02 | 1.26 | ppb |
| Sodium | 23-2 | 98915.97 | 100584.29 | 97360.24 | 98953.50 | 1.63 | ppb |
| Strontium | 86-1 | 32.72 | 32.48 | 32.82 | 32.67 | 0.53 | ppb |
| Strontium | 88-1 | 33.85 | 33.37 | 33.01 | 33.41 | 1.27 | ppb |
| Sulfur | 34-1 | 81823.76 | 81100.53 | 79506.02 | 80810.11 | 1.47 | ppb |
| Terbium | 159-1 | | | | 110 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 20.01 | 20.03 | 20.01 | 20.02 | 0.06 | ppb |
| Thallium | 205-1 | 19.87 | 19.69 | 19.70 | 19.76 | 0.51 | ppb |
| Tin | 118-1 | 488.58 | 476.43 | 476.85 | 480.62 | 1.43 | ppb |
| Titanium | 47-1 | 2455.45 | 2423.73 | 2409.72 | 2429.63 | 0.96 | ppb |
| Uranium | 238-1 | -0.10 | -0.11 | -0.10 | -0.10 | | ppb |
| Vanadium | 51-2 | 19.92 | 19.50 | 19.23 | 19.55 | 1.77 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 86 | | % |
| Zinc | 66-2 | 30.65 | 32.78 | 30.94 | 31.46 | 3.67 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:26:22 | DataFile Name : | 017ICSB.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.53 | 0.40 | 0.29 | 0.41 | 30.23 | ppb |
| Zirconium | 91-1 | 0.54 | 0.38 | 0.30 | 0.40 | 29.89 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:29:40 | DataFile Name : | 018CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52684.21 | 51298.88 | 52666.08 | 52216.39 | 1.52 | ppb |
| Antimony | 121-1 | 500.34 | 511.08 | 509.30 | 506.91 | 1.14 | ppb |
| Arsenic | 75-1 | 492.25 | 485.01 | 488.71 | 488.66 | 0.74 | ppb |
| Barium | 135-1 | 2525.39 | 2607.74 | 2546.01 | 2559.71 | 1.67 | ppb |
| Barium | 137-1 | 2539.00 | 2575.16 | 2523.74 | 2545.97 | 1.04 | ppb |
| Beryllium | 9-1 | 522.80 | 527.30 | 524.69 | 524.93 | 0.43 | ppb |
| Bismuth | 209-1 | | | | 109 | | % |
| Bismuth | 209-2 | | | | 92 | | % |
| Boron | 10-1 | 521.74 | 541.07 | 539.84 | 534.21 | 2.03 | ppb |
| Boron | 11-1 | 516.29 | 528.42 | 539.20 | 527.97 | 2.17 | ppb |
| Cadmium | 111-1 | 492.63 | 499.67 | 492.01 | 494.77 | 0.86 | ppb |
| Cadmium | 106-1 | 504.24 | 505.09 | 502.87 | 504.07 | 0.22 | ppb |
| Cadmium | 108-1 | 495.26 | 505.71 | 500.42 | 500.46 | 1.04 | ppb |
| Calcium | 43-1 | 243934.59 | 241261.76 | 240894.01 | 242030.12 | 0.69 | ppb |
| Calcium | 44-1 | 242478.05 | 241948.54 | 241949.11 | 242125.23 | 0.13 | ppb |
| Chromium | 52-2 | 524.89 | 504.30 | 516.87 | 515.35 | 2.01 | ppb |
| Cobalt | 59-2 | 511.67 | 498.13 | 508.84 | 506.21 | 1.41 | ppb |
| Copper | 63-2 | 991.84 | 948.55 | 985.50 | 975.30 | 2.40 | 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 | | | | 110 | | % |
| Holmium | 165-2 | | | | 97 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 84 | | % |
| Iron | 56-2 | 129028.22 | 125088.04 | 128212.49 | 127442.92 | 1.63 | ppb |
| Iron | 57-2 | 131317.94 | 124112.51 | 128593.91 | 128008.12 | 2.84 | ppb |
| Krypton | 83-1 | 185.87 | 997.19 | 309.40 | 497.49 | 87.87 | ppb |
| Lead | 206-1 | 514.32 | 514.91 | 509.10 | 512.78 | 0.62 | ppb |
| Lead | 207-1 | 515.98 | 514.61 | 514.38 | 514.99 | 0.17 | ppb |
| Lead | 208-1 | 513.58 | 512.85 | 510.88 | 512.44 | 0.27 | ppb |
| Lithium | 6-1 | | | | 95 | | % |
| Magnesium | 24-2 | 254205.05 | 245625.76 | 252943.67 | 250924.83 | 1.85 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:29:40 | DataFile Name : | 018CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1025.40 | 991.89 | 1026.39 | 1014.56 | 1.94 | ppb |
| Molybdenum | 94-1 | 2544.87 | 2541.24 | 2517.56 | 2534.56 | 0.59 | ppb |
| Molybdenum | 95-1 | 2522.37 | 2539.22 | 2502.67 | 2521.42 | 0.73 | ppb |
| Molybdenum | 96-1 | 2515.95 | 2537.19 | 2523.56 | 2525.57 | 0.43 | ppb |
| Molybdenum | 97-1 | 2519.01 | 2522.51 | 2510.56 | 2517.36 | 0.24 | ppb |
| Molybdenum | 98-1 | 2526.64 | 2566.16 | 2520.93 | 2537.91 | 0.97 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 514.88 | 493.83 | 507.09 | 505.26 | 2.11 | ppb |
| Phosphorus | 31-2 | 10348.20 | 9335.69 | 10997.92 | 10227.27 | 8.19 | ppb |
| Potassium | 39-2 | 129115.69 | 124789.63 | 130059.70 | 127988.34 | 2.20 | ppb |
| Rhodium | 103-1 | | | | 93 | | % |
| Rhodium | 103-2 | | | | 84 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 82 | | % |
| Selenium | 77-2 | 547.72 | 593.33 | 515.48 | 552.17 | 7.08 | ppb |
| Selenium | 78-2 | 516.29 | 514.00 | 506.83 | 512.38 | 0.96 | ppb |
| Selenium | 82-1 | 495.85 | 497.99 | 491.28 | 495.04 | 0.69 | ppb |
| Silicon | 28-1 | 526.00 | 529.76 | 525.70 | 527.15 | 0.43 | ppb |
| Silver | 109-1 | 499.03 | 509.19 | 503.22 | 503.81 | 1.01 | ppb |
| Silver | 107-1 | 500.87 | 505.48 | 501.36 | 502.57 | 0.50 | ppb |
| Sodium | 23-2 | 254617.88 | 247120.80 | 254361.02 | 252033.24 | 1.69 | ppb |
| Strontium | 86-1 | 504.02 | 505.85 | 503.43 | 504.43 | 0.25 | ppb |
| Strontium | 88-1 | 514.84 | 511.46 | 506.45 | 510.92 | 0.83 | ppb |
| Sulfur | 34-1 | 9662.92 | 9441.22 | 9386.96 | 9497.03 | 1.54 | ppb |
| Terbium | 159-1 | | | | 109 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 517.07 | 514.68 | 516.06 | 515.94 | 0.23 | ppb |
| Thallium | 205-1 | 509.78 | 511.15 | 509.02 | 509.98 | 0.21 | ppb |
| Tin | 118-1 | 514.64 | 520.95 | 511.24 | 515.61 | 0.96 | ppb |
| Titanium | 47-1 | 2581.30 | 2547.69 | 2545.14 | 2558.04 | 0.79 | ppb |
| Uranium | 238-1 | 518.46 | 521.27 | 511.95 | 517.23 | 0.92 | ppb |
| Vanadium | 51-2 | 515.61 | 501.99 | 517.53 | 511.71 | 1.66 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 85 | | % |
| Zinc | 66-2 | 994.80 | 963.13 | 987.46 | 981.80 | 1.69 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:29:40 | DataFile Name : | 018CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 511.17 | 514.97 | 507.42 | 511.18 | 0.74 | ppb |
| Zirconium | 91-1 | 517.37 | 515.44 | 507.09 | 513.30 | 1.06 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:32:52 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 4.83 | 0.08 | 2.50 | 2.47 | 96.01 | ppb |
| Antimony | 121-1 | 1.12 | 0.92 | 0.90 | 0.98 | 12.15 | ppb |
| Arsenic | 75-1 | 0.05 | 0.11 | 0.08 | 0.08 | 37.10 | ppb |
| Barium | 135-1 | -0.07 | -0.02 | -0.06 | -0.05 | | ppb |
| Barium | 137-1 | -0.09 | -0.09 | -0.10 | -0.09 | | ppb |
| Beryllium | 9-1 | 0.05 | 0.14 | 0.08 | 0.09 | 54.65 | ppb |
| Bismuth | 209-1 | | | | 115 | | % |
| Bismuth | 209-2 | | | | 89 | | % |
| Boron | 10-1 | 18.85 | 17.48 | 15.48 | 17.27 | 9.81 | ppb |
| Boron | 11-1 | 19.48 | 16.84 | 15.48 | 17.27 | 11.76 | ppb |
| Cadmium | 111-1 | -0.04 | -0.08 | -0.13 | -0.08 | | ppb |
| Cadmium | 106-1 | -0.41 | -0.57 | -1.35 | -0.78 | | ppb |
| Cadmium | 108-1 | -0.02 | -0.01 | 0.04 | 0.00 | 795.21 | ppb |
| Calcium | 43-1 | 7.56 | -2.29 | 7.07 | 4.11 | 134.95 | ppb |
| Calcium | 44-1 | 2.66 | 2.85 | 4.40 | 3.30 | 28.93 | ppb |
| Chromium | 52-2 | -0.01 | -0.02 | -0.01 | -0.01 | | ppb |
| Cobalt | 59-2 | -0.10 | -0.11 | -0.10 | -0.10 | | ppb |
| Copper | 63-2 | 0.00 | 0.03 | 0.07 | 0.04 | 98.97 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 109 | | % |
| Holmium | 165-2 | | | | 87 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 81 | | % |
| Iron | 56-2 | 6.07 | 5.92 | 5.63 | 5.87 | 3.83 | ppb |
| Iron | 57-2 | 6.82 | 5.10 | 8.50 | 6.81 | 24.96 | ppb |
| Krypton | 83-1 | 1326.76 | 251.59 | 643.99 | 740.78 | 73.45 | ppb |
| Lead | 206-1 | -0.02 | -0.04 | -0.03 | -0.03 | | ppb |
| Lead | 207-1 | -0.04 | -0.05 | -0.04 | -0.04 | | ppb |
| Lead | 208-1 | -0.03 | -0.04 | -0.03 | -0.03 | | ppb |
| Lithium | 6-1 | | | | 101 | | % |
| Magnesium | 24-2 | 0.50 | 6.93 | 10.00 | 5.81 | 83.41 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:32:52 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | -0.18 | -0.08 | -0.02 | -0.09 | | ppb |
| Molybdenum | 94-1 | 0.86 | 0.76 | 0.67 | 0.76 | 12.52 | ppb |
| Molybdenum | 95-1 | 0.92 | 0.77 | 0.76 | 0.82 | 10.94 | ppb |
| Molybdenum | 96-1 | 0.92 | 0.80 | 0.81 | 0.84 | 8.21 | ppb |
| Molybdenum | 97-1 | 0.98 | 0.88 | 0.74 | 0.87 | 13.73 | ppb |
| Molybdenum | 98-1 | 0.95 | 0.82 | 0.69 | 0.82 | 15.73 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.33 | -0.11 | -0.02 | -0.15 | | ppb |
| Phosphorus | 31-2 | 4.16 | 4.99 | -15.90 | -2.25 | | ppb |
| Potassium | 39-2 | 36.05 | 35.42 | 66.93 | 46.13 | 39.05 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 82 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 75 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 0.55 | 0.59 | 0.66 | 0.60 | 8.64 | ppb |
| Selenium | 82-1 | 0.59 | -0.19 | 0.10 | 0.17 | 236.69 | ppb |
| Silicon | 28-1 | -9.38 | -9.30 | -8.13 | -8.94 | | ppb |
| Silver | 109-1 | 0.05 | 0.06 | 0.06 | 0.06 | 13.96 | ppb |
| Silver | 107-1 | 0.04 | 0.05 | 0.04 | 0.04 | 15.43 | ppb |
| Sodium | 23-2 | 87.01 | 80.45 | 98.18 | 88.55 | 10.13 | ppb |
| Strontium | 86-1 | -0.05 | -0.04 | 0.01 | -0.03 | | ppb |
| Strontium | 88-1 | 0.01 | 0.01 | 0.01 | 0.01 | 19.53 | ppb |
| Sulfur | 34-1 | -1180.06 | -1291.61 | -792.63 | -1088.10 | | ppb |
| Terbium | 159-1 | | | | 108 | | % |
| Terbium | 159-2 | | | | 86 | | % |
| Thallium | 203-1 | 0.15 | 0.12 | 0.12 | 0.13 | 11.38 | ppb |
| Thallium | 205-1 | 0.13 | 0.11 | 0.12 | 0.12 | 8.21 | ppb |
| Tin | 118-1 | 0.24 | 0.22 | 0.20 | 0.22 | 8.39 | ppb |
| Titanium | 47-1 | 0.17 | 0.10 | 0.11 | 0.13 | 30.63 | ppb |
| Uranium | 238-1 | -0.11 | -0.11 | -0.11 | -0.11 | | ppb |
| Vanadium | 51-2 | -0.02 | -0.05 | -0.04 | -0.04 | | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 78 | | % |
| Zinc | 66-2 | -0.20 | -0.06 | -0.04 | -0.10 | | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:32:52 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.12 | 0.12 | 0.11 | 0.11 | 6.18 | ppb |
| Zirconium | 91-1 | 0.10 | 0.12 | 0.10 | 0.11 | 9.74 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:43:10 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18.91 | 15.68 | 18.33 | 17.64 | 9.75 | ppb |
| Antimony | 121-1 | 2.21 | 2.18 | 2.15 | 2.18 | 1.30 | ppb |
| Arsenic | 75-1 | 0.95 | 0.96 | 1.01 | 0.97 | 3.59 | ppb |
| Barium | 135-1 | 10.11 | 10.25 | 10.18 | 10.18 | 0.66 | ppb |
| Barium | 137-1 | 10.20 | 10.23 | 10.11 | 10.18 | 0.62 | ppb |
| Beryllium | 9-1 | 0.89 | 1.01 | 0.83 | 0.91 | 9.94 | ppb |
| Bismuth | 209-1 | | | | 116 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Boron | 10-1 | 28.88 | 28.88 | 29.79 | 29.19 | 1.79 | ppb |
| Boron | 11-1 | 28.08 | 28.11 | 29.92 | 28.70 | 3.67 | ppb |
| Cadmium | 111-1 | 0.91 | 0.84 | 0.91 | 0.88 | 4.73 | ppb |
| Cadmium | 106-1 | -0.57 | -0.15 | 0.23 | -0.17 | | ppb |
| Cadmium | 108-1 | 1.00 | 1.23 | 0.84 | 1.03 | 19.02 | ppb |
| Calcium | 43-1 | 479.78 | 493.74 | 483.91 | 485.81 | 1.48 | ppb |
| Calcium | 44-1 | 484.88 | 478.41 | 466.49 | 476.59 | 1.96 | ppb |
| Chromium | 52-2 | 1.94 | 2.02 | 1.84 | 1.93 | 4.80 | ppb |
| Cobalt | 59-2 | 1.02 | 0.85 | 0.81 | 0.89 | 12.19 | ppb |
| Copper | 63-2 | 2.02 | 2.12 | 1.91 | 2.01 | 5.31 | 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 | | | | 106 | | % |
| Indium | 115-2 | | | | 93 | | % |
| Iron | 56-2 | 53.10 | 54.24 | 51.66 | 53.00 | 2.44 | ppb |
| Iron | 57-2 | 52.35 | 51.83 | 54.36 | 52.85 | 2.53 | ppb |
| Krypton | 83-1 | 760.80 | 1393.36 | 521.48 | 891.88 | 50.51 | ppb |
| Lead | 206-1 | 0.92 | 0.92 | 0.93 | 0.93 | 0.71 | ppb |
| Lead | 207-1 | 0.92 | 0.85 | 0.90 | 0.89 | 4.21 | ppb |
| Lead | 208-1 | 0.93 | 0.91 | 0.92 | 0.92 | 0.99 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 513.10 | 528.11 | 510.53 | 517.25 | 1.84 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:43:10 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1.04 | 0.95 | 1.23 | 1.08 | 13.17 | ppb |
| Molybdenum | 94-1 | 5.19 | 5.09 | 5.34 | 5.21 | 2.46 | ppb |
| Molybdenum | 95-1 | 4.83 | 5.09 | 4.92 | 4.94 | 2.63 | ppb |
| Molybdenum | 96-1 | 4.97 | 4.93 | 5.04 | 4.98 | 1.13 | ppb |
| Molybdenum | 97-1 | 4.83 | 5.06 | 4.89 | 4.93 | 2.37 | ppb |
| Molybdenum | 98-1 | 4.81 | 5.06 | 5.05 | 4.98 | 2.83 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.98 | 0.61 | 0.79 | 0.79 | 23.81 | ppb |
| Phosphorus | 31-2 | -15.90 | -15.90 | 1.88 | -9.98 | | ppb |
| Potassium | 39-2 | 526.68 | 554.30 | 514.02 | 531.67 | 3.87 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 95 | | % |
| Scandium | 45-1 | | | | 98 | | % |
| Scandium | 45-2 | | | | 88 | | % |
| Selenium | 77-2 | 9.04 | 0.00 | 0.00 | 3.01 | 173.21 | ppb |
| Selenium | 78-2 | 8.84 | 6.71 | 8.78 | 8.11 | 14.98 | ppb |
| Selenium | 82-1 | 5.30 | 5.75 | 4.89 | 5.31 | 8.05 | ppb |
| Silicon | 28-1 | 7.33 | 6.39 | 5.60 | 6.44 | 13.42 | ppb |
| Silver | 109-1 | 1.12 | 1.17 | 1.12 | 1.14 | 2.97 | ppb |
| Silver | 107-1 | 1.11 | 1.05 | 1.11 | 1.09 | 3.19 | ppb |
| Sodium | 23-2 | 565.85 | 573.17 | 556.61 | 565.21 | 1.47 | ppb |
| Strontium | 86-1 | 0.88 | 1.02 | 0.94 | 0.95 | 6.97 | ppb |
| Strontium | 88-1 | 1.04 | 1.01 | 1.00 | 1.02 | 1.98 | ppb |
| Sulfur | 34-1 | -922.79 | -804.61 | -1058.44 | -928.61 | | ppb |
| Terbium | 159-1 | | | | 110 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.98 | 0.97 | 1.02 | 0.99 | 3.00 | ppb |
| Thallium | 205-1 | 1.02 | 0.98 | 0.98 | 0.99 | 2.17 | ppb |
| Tin | 118-1 | 5.29 | 5.30 | 5.16 | 5.25 | 1.49 | ppb |
| Titanium | 47-1 | 5.05 | 5.06 | 5.32 | 5.14 | 2.94 | ppb |
| Uranium | 238-1 | 0.84 | 0.83 | 0.82 | 0.83 | 1.44 | ppb |
| Vanadium | 51-2 | 5.07 | 4.91 | 4.55 | 4.84 | 5.57 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 91 | | % |
| Zinc | 66-2 | 2.29 | 2.04 | 2.33 | 2.22 | 7.20 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:43:10 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1.11 | 1.06 | 1.05 | 1.07 | 2.87 | ppb |
| Zirconium | 91-1 | 1.11 | 1.05 | 1.01 | 1.06 | 4.69 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BL | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:46:34 | DataFile Name : | 022CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 0.58 | 2.18 | 1.23 | 1.33 | 60.20 | ppb |
| Antimony | 121-1 | 0.07 | 0.06 | 0.07 | 0.07 | 7.89 | ppb |
| Arsenic | 75-1 | -0.04 | -0.06 | -0.05 | -0.05 | | ppb |
| Barium | 135-1 | -0.12 | -0.12 | -0.13 | -0.12 | | ppb |
| Barium | 137-1 | -0.15 | -0.16 | -0.15 | -0.15 | | ppb |
| Beryllium | 9-1 | -0.12 | -0.13 | -0.14 | -0.13 | | ppb |
| Bismuth | 209-1 | | | | 117 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Boron | 10-1 | 4.58 | 5.71 | 4.25 | 4.85 | 15.83 | ppb |
| Boron | 11-1 | 5.24 | 5.06 | 4.85 | 5.05 | 3.86 | ppb |
| Cadmium | 111-1 | -0.11 | -0.16 | -0.16 | -0.14 | | ppb |
| Cadmium | 106-1 | -0.60 | -1.32 | -1.32 | -1.08 | | ppb |
| Cadmium | 108-1 | -0.07 | -0.04 | -0.07 | -0.06 | | ppb |
| Calcium | 43-1 | -4.33 | -5.46 | -5.35 | -5.05 | | ppb |
| Calcium | 44-1 | -6.84 | -7.30 | -5.09 | -6.41 | | ppb |
| Chromium | 52-2 | -0.12 | -0.17 | -0.15 | -0.14 | | ppb |
| Cobalt | 59-2 | -0.12 | -0.12 | -0.13 | -0.12 | | ppb |
| Copper | 63-2 | -0.06 | -0.08 | -0.08 | -0.07 | | 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 | | | | 111 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 94 | | % |
| Iron | 56-2 | 0.57 | 0.53 | 0.56 | 0.55 | 3.46 | ppb |
| Iron | 57-2 | 0.82 | 0.57 | 1.79 | 1.06 | 60.98 | ppb |
| Krypton | 83-1 | 1018.26 | 715.04 | 704.48 | 812.59 | 21.93 | ppb |
| Lead | 206-1 | -0.10 | -0.10 | -0.09 | -0.10 | | ppb |
| Lead | 207-1 | -0.10 | -0.09 | -0.10 | -0.10 | | ppb |
| Lead | 208-1 | -0.10 | -0.10 | -0.10 | -0.10 | | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | -2.26 | 3.47 | 0.60 | 0.60 | 477.10 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BL | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:46:34 | DataFile Name : | 022CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | -0.17 | -0.13 | -0.18 | -0.16 | | ppb |
| Molybdenum | 94-1 | 0.01 | 0.05 | 0.03 | 0.03 | 73.14 | ppb |
| Molybdenum | 95-1 | -0.02 | -0.02 | -0.02 | -0.02 | | ppb |
| Molybdenum | 96-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Molybdenum | 97-1 | 0.00 | 0.01 | -0.02 | 0.00 | | ppb |
| Molybdenum | 98-1 | -0.01 | -0.01 | 0.01 | 0.00 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.31 | -0.25 | -0.31 | -0.29 | | ppb |
| Phosphorus | 31-2 | -15.90 | 21.74 | 1.71 | 2.51 | 749.09 | ppb |
| Potassium | 39-2 | -6.08 | 6.86 | -8.37 | -2.53 | | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 99 | | % |
| Scandium | 45-2 | | | | 88 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 1.85 | 0.49 | -0.21 | 0.71 | 148.17 | ppb |
| Selenium | 82-1 | 0.49 | 0.02 | -0.23 | 0.09 | 394.90 | ppb |
| Silicon | 28-1 | -10.06 | -11.24 | -10.99 | -10.76 | | ppb |
| Silver | 109-1 | 0.02 | 0.01 | 0.01 | 0.01 | 16.65 | ppb |
| Silver | 107-1 | 0.01 | 0.00 | 0.01 | 0.01 | 60.52 | ppb |
| Sodium | 23-2 | 43.14 | 47.08 | 34.04 | 41.42 | 16.14 | ppb |
| Strontium | 86-1 | -0.02 | -0.04 | -0.03 | -0.03 | | ppb |
| Strontium | 88-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Sulfur | 34-1 | -947.31 | -940.23 | -737.29 | -874.94 | | ppb |
| Terbium | 159-1 | | | | 110 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | -0.02 | -0.01 | -0.02 | -0.01 | | ppb |
| Thallium | 205-1 | -0.01 | -0.01 | -0.02 | -0.02 | | ppb |
| Tin | 118-1 | 0.02 | 0.01 | 0.01 | 0.01 | 37.43 | ppb |
| Titanium | 47-1 | -0.05 | -0.03 | 0.00 | -0.03 | | ppb |
| Uranium | 238-1 | -0.13 | -0.13 | -0.13 | -0.13 | | ppb |
| Vanadium | 51-2 | -0.04 | -0.05 | -0.06 | -0.05 | | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 91 | | % |
| Zinc | 66-2 | -0.26 | -0.39 | -0.25 | -0.30 | | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BL | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:46:34 | DataFile Name : | 022CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.03 | 0.04 | 0.02 | 0.03 | 39.69 | ppb |
| Zirconium | 91-1 | 0.03 | 0.01 | 0.06 | 0.03 | 78.27 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BS | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:49:58 | DataFile Name : | 023LCS6.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 9478.76 | 9153.93 | 9522.81 | 9385.17 | 2.15 | ppb |
| Antimony | 121-1 | 501.75 | 498.96 | 503.52 | 501.41 | 0.46 | ppb |
| Arsenic | 75-1 | 469.52 | 472.01 | 470.14 | 470.56 | 0.27 | ppb |
| Barium | 135-1 | 2499.93 | 2504.03 | 2499.04 | 2501.00 | 0.11 | ppb |
| Barium | 137-1 | 2482.23 | 2465.19 | 2480.67 | 2476.03 | 0.38 | ppb |
| Beryllium | 9-1 | 486.78 | 484.47 | 496.78 | 489.34 | 1.34 | ppb |
| Bismuth | 209-1 | | | | 116 | | % |
| Bismuth | 209-2 | | | | 99 | | % |
| Boron | 10-1 | 464.47 | 490.35 | 492.46 | 482.43 | 3.23 | ppb |
| Boron | 11-1 | 458.99 | 477.12 | 497.97 | 478.03 | 4.08 | ppb |
| Cadmium | 111-1 | 497.59 | 500.91 | 497.20 | 498.57 | 0.41 | ppb |
| Cadmium | 106-1 | 508.77 | 499.82 | 505.75 | 504.78 | 0.90 | ppb |
| Cadmium | 108-1 | 503.48 | 505.52 | 506.53 | 505.18 | 0.31 | ppb |
| Calcium | 43-1 | 47699.35 | 47467.50 | 47378.91 | 47515.25 | 0.35 | ppb |
| Calcium | 44-1 | 47914.31 | 47709.31 | 47735.76 | 47786.46 | 0.23 | ppb |
| Chromium | 52-2 | 473.98 | 458.82 | 479.16 | 470.65 | 2.25 | ppb |
| Cobalt | 59-2 | 483.43 | 468.87 | 488.12 | 480.14 | 2.09 | ppb |
| Copper | 63-2 | 981.74 | 939.59 | 1000.06 | 973.79 | 3.18 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 113 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 89 | | % |
| Iron | 56-2 | 25133.07 | 24329.22 | 25259.38 | 24907.22 | 2.03 | ppb |
| Iron | 57-2 | 24630.35 | 23583.77 | 24578.69 | 24264.27 | 2.43 | ppb |
| Krypton | 83-1 | 1281.67 | 970.90 | 415.98 | 889.52 | 49.30 | ppb |
| Lead | 206-1 | 489.11 | 484.37 | 483.10 | 485.53 | 0.65 | ppb |
| Lead | 207-1 | 490.07 | 485.28 | 486.29 | 487.22 | 0.52 | ppb |
| Lead | 208-1 | 486.84 | 482.81 | 485.40 | 485.02 | 0.42 | ppb |
| Lithium | 6-1 | | | | 102 | | % |
| Magnesium | 24-2 | 51460.42 | 49186.82 | 51799.45 | 50815.56 | 2.80 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BS | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:49:58 | DataFile Name : | 023LCS6.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 979.32 | 943.91 | 986.82 | 970.02 | 2.36 | ppb |
| Molybdenum | 94-1 | 2400.71 | 2390.69 | 2421.54 | 2404.31 | 0.65 | ppb |
| Molybdenum | 95-1 | 2409.55 | 2383.49 | 2409.98 | 2401.01 | 0.63 | ppb |
| Molybdenum | 96-1 | 2394.01 | 2388.59 | 2430.70 | 2404.43 | 0.95 | ppb |
| Molybdenum | 97-1 | 2407.67 | 2381.38 | 2406.46 | 2398.50 | 0.62 | ppb |
| Molybdenum | 98-1 | 2383.16 | 2387.06 | 2401.83 | 2390.68 | 0.41 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 476.41 | 462.04 | 480.59 | 473.02 | 2.06 | ppb |
| Phosphorus | 31-2 | 9900.61 | 9090.91 | 9580.74 | 9524.09 | 4.28 | ppb |
| Potassium | 39-2 | 24489.14 | 23941.53 | 24755.57 | 24395.41 | 1.70 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 91 | | % |
| Scandium | 45-1 | | | | 97 | | % |
| Scandium | 45-2 | | | | 86 | | % |
| Selenium | 77-2 | 461.72 | 533.33 | 587.40 | 527.48 | 11.95 | ppb |
| Selenium | 78-2 | 527.73 | 500.84 | 494.31 | 507.63 | 3.49 | ppb |
| Selenium | 82-1 | 481.55 | 483.56 | 487.07 | 484.06 | 0.58 | ppb |
| Silicon | 28-1 | 523.97 | 528.55 | 521.03 | 524.52 | 0.72 | ppb |
| Silver | 109-1 | 517.02 | 514.33 | 514.56 | 515.30 | 0.29 | ppb |
| Silver | 107-1 | 511.62 | 508.88 | 513.72 | 511.40 | 0.47 | ppb |
| Sodium | 23-2 | 50315.78 | 48463.02 | 50822.92 | 49867.24 | 2.49 | ppb |
| Strontium | 86-1 | 475.83 | 479.22 | 484.70 | 479.91 | 0.93 | ppb |
| Strontium | 88-1 | 485.94 | 485.99 | 488.05 | 486.66 | 0.25 | ppb |
| Sulfur | 34-1 | 9297.70 | 9098.62 | 8900.51 | 9098.94 | 2.18 | ppb |
| Terbium | 159-1 | | | | 111 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 488.26 | 487.91 | 484.15 | 486.77 | 0.47 | ppb |
| Thallium | 205-1 | 483.92 | 475.92 | 483.51 | 481.12 | 0.94 | ppb |
| Tin | 118-1 | 509.21 | 504.60 | 505.78 | 506.53 | 0.47 | ppb |
| Titanium | 47-1 | 2449.75 | 2451.94 | 2428.82 | 2443.50 | 0.52 | ppb |
| Uranium | 238-1 | 470.11 | 470.21 | 471.75 | 470.69 | 0.20 | ppb |
| Vanadium | 51-2 | 490.12 | 473.37 | 490.55 | 484.68 | 2.02 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 89 | | % |
| Zinc | 66-2 | 961.68 | 943.04 | 963.48 | 956.06 | 1.18 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BS | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:49:58 | DataFile Name : | 023LCS6.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 477.37 | 477.80 | 482.49 | 479.22 | 0.59 | ppb |
| Zirconium | 91-1 | 481.24 | 483.96 | 489.16 | 484.79 | 0.83 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919022.0-CHRISTIAN | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:53:22 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16.90 | 19.25 | 11.91 | 16.02 | 23.40 | ppb |
| Antimony | 121-1 | 0.71 | 0.68 | 0.64 | 0.68 | 5.68 | ppb |
| Arsenic | 75-1 | 3.89 | 4.15 | 4.37 | 4.14 | 5.81 | ppb |
| Barium | 135-1 | 2.45 | 2.52 | 2.62 | 2.53 | 3.36 | ppb |
| Barium | 137-1 | 2.47 | 2.37 | 2.45 | 2.43 | 2.07 | ppb |
| Beryllium | 9-1 | 0.05 | 0.06 | 0.09 | 0.06 | 30.27 | ppb |
| Bismuth | 209-1 | | | | 128 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Boron | 10-1 | 31.64 | 28.98 | 28.25 | 29.62 | 6.03 | ppb |
| Boron | 11-1 | 29.17 | 29.32 | 27.69 | 28.73 | 3.14 | ppb |
| Cadmium | 111-1 | -0.08 | -0.11 | -0.09 | -0.09 | | ppb |
| Cadmium | 106-1 | -0.75 | -1.30 | -0.80 | -0.95 | | ppb |
| Cadmium | 108-1 | -0.02 | -0.05 | 0.02 | -0.01 | | ppb |
| Calcium | 43-1 | 749.74 | 724.62 | 790.34 | 754.90 | 4.39 | ppb |
| Calcium | 44-1 | 772.71 | 763.51 | 770.75 | 768.99 | 0.63 | ppb |
| Chromium | 52-2 | 0.05 | -0.06 | 0.04 | 0.01 | 486.63 | ppb |
| Cobalt | 59-2 | -0.12 | -0.10 | -0.12 | -0.11 | | ppb |
| Copper | 63-2 | 42.85 | 43.36 | 41.98 | 42.73 | 1.63 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 124 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 115 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 10.20 | 10.52 | 9.41 | 10.04 | 5.66 | ppb |
| Iron | 57-2 | 8.26 | 9.46 | 11.47 | 9.73 | 16.63 | ppb |
| Krypton | 83-1 | 1726.22 | 967.55 | 1065.54 | 1253.11 | 32.93 | ppb |
| Lead | 206-1 | 0.49 | 0.46 | 0.44 | 0.46 | 5.62 | ppb |
| Lead | 207-1 | 0.45 | 0.46 | 0.38 | 0.43 | 10.77 | ppb |
| Lead | 208-1 | 0.48 | 0.45 | 0.41 | 0.45 | 7.65 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 94.88 | 97.44 | 93.15 | 95.16 | 2.27 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919022.0-CHRISTIAN | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:53:22 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 3.80 | 4.05 | 3.60 | 3.82 | 5.97 | ppb |
| Molybdenum | 94-1 | 0.81 | 0.61 | 0.62 | 0.68 | 16.10 | ppb |
| Molybdenum | 95-1 | 0.94 | 0.75 | 0.74 | 0.81 | 13.53 | ppb |
| Molybdenum | 96-1 | 0.84 | 0.77 | 0.77 | 0.79 | 4.88 | ppb |
| Molybdenum | 97-1 | 0.89 | 0.87 | 0.79 | 0.85 | 5.97 | ppb |
| Molybdenum | 98-1 | 0.91 | 0.77 | 0.75 | 0.81 | 10.66 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.44 | 0.66 | 0.43 | 0.51 | 25.31 | ppb |
| Phosphorus | 31-2 | 1.87 | -15.90 | -15.90 | -9.98 | | ppb |
| Potassium | 39-2 | 340.00 | 355.67 | 346.21 | 347.29 | 2.27 | ppb |
| Rhodium | 103-1 | | | | 109 | | % |
| Rhodium | 103-2 | | | | 99 | | % |
| Scandium | 45-1 | | | | 105 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 1.80 | 0.47 | 1.15 | 1.14 | 58.22 | ppb |
| Selenium | 82-1 | 0.28 | 0.04 | 0.05 | 0.12 | 111.63 | ppb |
| Silicon | 28-1 | 8770.37 | 8643.34 | 8683.60 | 8699.10 | 0.75 | ppb |
| Silver | 109-1 | 0.13 | 0.18 | 0.22 | 0.18 | 23.20 | ppb |
| Silver | 107-1 | 0.15 | 0.19 | 0.22 | 0.19 | 20.04 | ppb |
| Sodium | 23-2 | 128350.78 | 129221.95 | 126541.93 | 128038.22 | 1.07 | ppb |
| Strontium | 86-1 | 6.60 | 6.42 | 6.58 | 6.53 | 1.47 | ppb |
| Strontium | 88-1 | 7.00 | 6.88 | 7.01 | 6.96 | 1.01 | ppb |
| Sulfur | 34-1 | 15122.19 | 14835.13 | 14851.69 | 14936.34 | 1.08 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.26 | 0.25 | 0.24 | 0.25 | 3.09 | ppb |
| Thallium | 205-1 | 0.25 | 0.24 | 0.22 | 0.24 | 6.45 | ppb |
| Tin | 118-1 | 0.48 | 0.47 | 0.48 | 0.48 | 0.96 | ppb |
| Titanium | 47-1 | 0.42 | 0.30 | 0.43 | 0.38 | 18.62 | ppb |
| Uranium | 238-1 | -0.04 | -0.05 | -0.05 | -0.04 | | ppb |
| Vanadium | 51-2 | -0.03 | -0.03 | -0.01 | -0.02 | | ppb |
| Yttrium | 89-1 | | | | 112 | | % |
| Yttrium | 89-2 | | | | 93 | | % |
| Zinc | 66-2 | 7.80 | 8.43 | 7.15 | 7.79 | 8.22 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919022.0-CHRISTIAN | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:53:22 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.08 | 0.08 | 0.06 | 0.07 | 14.45 | ppb |
| Zirconium | 91-1 | 0.05 | 0.07 | 0.08 | 0.06 | 19.93 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919024.1-HAMMILL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:56:44 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16.56 | 20.86 | 17.42 | 18.28 | 12.45 | ppb |
| Antimony | 121-1 | 0.29 | 0.26 | 0.28 | 0.28 | 5.18 | ppb |
| Arsenic | 75-1 | 9.85 | 10.29 | 10.27 | 10.14 | 2.47 | ppb |
| Barium | 135-1 | 30.50 | 29.94 | 30.41 | 30.28 | 0.99 | ppb |
| Barium | 137-1 | 30.07 | 30.13 | 30.19 | 30.13 | 0.20 | ppb |
| Beryllium | 9-1 | -0.08 | -0.01 | -0.05 | -0.05 | | ppb |
| Bismuth | 209-1 | | | | 128 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Boron | 10-1 | 43.63 | 45.39 | 46.33 | 45.11 | 3.03 | ppb |
| Boron | 11-1 | 45.81 | 45.51 | 46.23 | 45.85 | 0.79 | ppb |
| Cadmium | 111-1 | -0.18 | -0.10 | -0.12 | -0.13 | | ppb |
| Cadmium | 106-1 | -2.01 | -1.01 | -1.36 | -1.46 | | ppb |
| Cadmium | 108-1 | 0.02 | -0.02 | 0.07 | 0.02 | 196.60 | ppb |
| Calcium | 43-1 | 15006.68 | 14938.31 | 15078.20 | 15007.73 | 0.47 | ppb |
| Calcium | 44-1 | 15112.01 | 15122.68 | 15167.15 | 15133.95 | 0.19 | ppb |
| Chromium | 52-2 | 0.27 | 0.28 | 0.31 | 0.29 | 6.48 | ppb |
| Cobalt | 59-2 | -0.11 | -0.13 | -0.11 | -0.12 | | ppb |
| Copper | 63-2 | 2.10 | 1.93 | 1.98 | 2.00 | 4.32 | 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 | | | | 124 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 115 | | % |
| Indium | 115-2 | | | | 96 | | % |
| Iron | 56-2 | 28.89 | 27.80 | 28.64 | 28.44 | 2.01 | ppb |
| Iron | 57-2 | 34.37 | 29.97 | 25.83 | 30.06 | 14.21 | ppb |
| Krypton | 83-1 | 1613.89 | 2269.93 | 861.09 | 1581.64 | 44.57 | ppb |
| Lead | 206-1 | 0.31 | 0.29 | 0.30 | 0.30 | 3.77 | ppb |
| Lead | 207-1 | 0.27 | 0.27 | 0.25 | 0.26 | 4.84 | ppb |
| Lead | 208-1 | 0.28 | 0.27 | 0.27 | 0.27 | 2.38 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 11829.02 | 11556.26 | 12055.84 | 11813.70 | 2.12 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919024.1-HAMMILL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:56:44 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 17.59 | 17.71 | 17.64 | 17.64 | 0.34 | ppb |
| Molybdenum | 94-1 | 1.91 | 1.90 | 1.83 | 1.88 | 2.43 | ppb |
| Molybdenum | 95-1 | 2.42 | 2.41 | 2.51 | 2.45 | 2.35 | ppb |
| Molybdenum | 96-1 | 2.41 | 2.43 | 2.31 | 2.38 | 2.66 | ppb |
| Molybdenum | 97-1 | 2.46 | 2.57 | 2.34 | 2.46 | 4.83 | ppb |
| Molybdenum | 98-1 | 2.55 | 2.46 | 2.53 | 2.51 | 2.01 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.23 | 0.05 | 0.08 | 0.12 | 81.83 | ppb |
| Phosphorus | 31-2 | 1.89 | -15.90 | 2.37 | -3.88 | | ppb |
| Potassium | 39-2 | 1251.17 | 1171.36 | 1236.25 | 1219.59 | 3.48 | ppb |
| Rhodium | 103-1 | | | | 109 | | % |
| Rhodium | 103-2 | | | | 100 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 89 | | % |
| Selenium | 77-2 | 0.00 | 4.37 | 0.00 | 1.46 | 173.21 | ppb |
| Selenium | 78-2 | 1.13 | 0.46 | -0.21 | 0.46 | 145.71 | ppb |
| Selenium | 82-1 | 0.31 | 0.47 | 0.06 | 0.28 | 73.98 | ppb |
| Silicon | 28-1 | 10761.05 | 10830.10 | 10840.73 | 10810.63 | 0.40 | ppb |
| Silver | 109-1 | 0.22 | 0.23 | 0.24 | 0.23 | 5.44 | ppb |
| Silver | 107-1 | 0.22 | 0.27 | 0.25 | 0.25 | 10.56 | ppb |
| Sodium | 23-2 | 69731.89 | 67606.84 | 70398.47 | 69245.73 | 2.11 | ppb |
| Strontium | 86-1 | 115.97 | 115.86 | 116.14 | 115.99 | 0.12 | ppb |
| Strontium | 88-1 | 121.53 | 119.44 | 120.61 | 120.52 | 0.87 | ppb |
| Sulfur | 34-1 | 3184.45 | 3333.19 | 3338.65 | 3285.43 | 2.66 | ppb |
| Terbium | 159-1 | | | | 122 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | 0.05 | 0.05 | 0.06 | 0.06 | 12.57 | ppb |
| Thallium | 205-1 | 0.05 | 0.07 | 0.07 | 0.07 | 16.44 | ppb |
| Tin | 118-1 | 0.32 | 0.37 | 0.34 | 0.34 | 6.58 | ppb |
| Titanium | 47-1 | 0.41 | 0.33 | 0.34 | 0.36 | 11.69 | ppb |
| Uranium | 238-1 | 1.11 | 1.07 | 1.10 | 1.09 | 1.58 | ppb |
| Vanadium | 51-2 | -0.01 | -0.01 | -0.03 | -0.02 | | ppb |
| Yttrium | 89-1 | | | | 112 | | % |
| Yttrium | 89-2 | | | | 93 | | % |
| Zinc | 66-2 | 25.17 | 25.78 | 27.10 | 26.02 | 3.80 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919024.1-HAMMILL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:56:44 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.04 | 0.04 | 0.04 | 0.04 | 6.92 | ppb |
| Zirconium | 91-1 | 0.05 | 0.03 | 0.02 | 0.04 | 40.76 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919025.2-JACOB | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:00:06 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18.12 | 16.15 | 11.47 | 15.25 | 22.40 | ppb |
| Antimony | 121-1 | 0.19 | 0.20 | 0.22 | 0.20 | 6.02 | ppb |
| Arsenic | 75-1 | 42.34 | 42.26 | 42.67 | 42.42 | 0.51 | ppb |
| Barium | 135-1 | 8.94 | 9.46 | 9.34 | 9.25 | 2.94 | ppb |
| Barium | 137-1 | 9.10 | 9.32 | 9.38 | 9.26 | 1.59 | ppb |
| Beryllium | 9-1 | -0.03 | 0.03 | 0.00 | 0.00 | 5384.23 | ppb |
| Bismuth | 209-1 | | | | 129 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Boron | 10-1 | 83.11 | 86.55 | 86.89 | 85.52 | 2.45 | ppb |
| Boron | 11-1 | 85.23 | 86.02 | 87.57 | 86.27 | 1.38 | ppb |
| Cadmium | 111-1 | -0.12 | -0.12 | -0.14 | -0.13 | | ppb |
| Cadmium | 106-1 | -1.30 | -1.16 | -1.32 | -1.26 | | ppb |
| Cadmium | 108-1 | 0.00 | -0.07 | 0.09 | 0.01 | 1154.30 | ppb |
| Calcium | 43-1 | 188589.91 | 184677.02 | 183817.02 | 185694.65 | 1.37 | ppb |
| Calcium | 44-1 | 185738.37 | 181753.75 | 183278.57 | 183590.23 | 1.10 | ppb |
| Chromium | 52-2 | -0.03 | 0.06 | 0.03 | 0.02 | 234.34 | ppb |
| Cobalt | 59-2 | -0.11 | -0.12 | -0.12 | -0.12 | | ppb |
| Copper | 63-2 | 71.06 | 71.28 | 70.94 | 71.09 | 0.24 | 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 | | | | 126 | | % |
| Holmium | 165-2 | | | | 110 | | % |
| Indium | 115-1 | | | | 116 | | % |
| Indium | 115-2 | | | | 95 | | % |
| Iron | 56-2 | 3.87 | 3.57 | 3.43 | 3.62 | 6.28 | ppb |
| Iron | 57-2 | 7.45 | 7.57 | 9.92 | 8.31 | 16.73 | ppb |
| Krypton | 83-1 | 1669.83 | 1726.67 | 1714.97 | 1703.82 | 1.76 | ppb |
| Lead | 206-1 | 0.34 | 0.30 | 0.30 | 0.31 | 6.10 | ppb |
| Lead | 207-1 | 0.29 | 0.29 | 0.30 | 0.29 | 0.72 | ppb |
| Lead | 208-1 | 0.30 | 0.29 | 0.30 | 0.30 | 1.62 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 14033.63 | 14202.17 | 14132.98 | 14122.93 | 0.60 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919025.2-JACOB | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:00:06 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 10.02 | 9.19 | 9.24 | 9.48 | 4.91 | ppb |
| Molybdenum | 94-1 | 1.43 | 1.45 | 1.41 | 1.43 | 1.40 | ppb |
| Molybdenum | 95-1 | 1.75 | 1.71 | 1.68 | 1.71 | 2.08 | ppb |
| Molybdenum | 96-1 | 1.71 | 1.69 | 1.65 | 1.69 | 1.75 | ppb |
| Molybdenum | 97-1 | 1.64 | 1.59 | 1.77 | 1.67 | 5.74 | ppb |
| Molybdenum | 98-1 | 1.71 | 1.75 | 1.74 | 1.73 | 1.36 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.61 | 0.35 | 0.44 | 0.47 | 28.00 | ppb |
| Phosphorus | 31-2 | -15.90 | 2.57 | -15.90 | -9.74 | | ppb |
| Potassium | 39-2 | 1222.18 | 1263.35 | 1244.26 | 1243.26 | 1.66 | ppb |
| Rhodium | 103-1 | | | | 109 | | % |
| Rhodium | 103-2 | | | | 98 | | % |
| Scandium | 45-1 | | | | 104 | | % |
| Scandium | 45-2 | | | | 86 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 1.16 | 1.85 | 0.48 | 1.16 | 59.01 | ppb |
| Selenium | 82-1 | 0.50 | 0.64 | 0.42 | 0.52 | 21.28 | ppb |
| Silicon | 28-1 | 15102.70 | 14818.10 | 14893.54 | 14938.11 | 0.99 | ppb |
| Silver | 109-1 | 0.18 | 0.21 | 0.24 | 0.21 | 14.88 | ppb |
| Silver | 107-1 | 0.19 | 0.19 | 0.26 | 0.21 | 18.22 | ppb |
| Sodium | 23-2 | 27320.21 | 27680.34 | 27889.07 | 27629.87 | 1.04 | ppb |
| Strontium | 86-1 | 9512.03 | 9626.10 | 9702.23 | 9613.46 | 1.00 | ppb |
| Strontium | 88-1 | 9631.19 | 9733.77 | 9811.31 | 9725.43 | 0.93 | ppb |
| Sulfur | 34-1 | 112577.93 | 108686.38 | 110592.69 | 110619.00 | 1.76 | ppb |
| Terbium | 159-1 | | | | 124 | | % |
| Terbium | 159-2 | | | | 109 | | % |
| Thallium | 203-1 | 0.01 | 0.03 | 0.01 | 0.02 | 64.64 | ppb |
| Thallium | 205-1 | 0.02 | 0.02 | 0.01 | 0.02 | 43.33 | ppb |
| Tin | 118-1 | 0.40 | 0.40 | 0.43 | 0.41 | 3.79 | ppb |
| Titanium | 47-1 | 0.55 | 0.36 | 0.44 | 0.45 | 20.54 | ppb |
| Uranium | 238-1 | 0.07 | 0.07 | 0.07 | 0.07 | 3.51 | ppb |
| Vanadium | 51-2 | -0.02 | -0.02 | -0.03 | -0.02 | | ppb |
| Yttrium | 89-1 | | | | 113 | | % |
| Yttrium | 89-2 | | | | 92 | | % |
| Zinc | 66-2 | 47.69 | 48.06 | 49.81 | 48.52 | 2.34 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919025.2-JACOB | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:00:06 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.12 | 0.15 | 0.14 | 0.13 | 11.58 | ppb |
| Zirconium | 91-1 | 0.10 | 0.17 | 0.14 | 0.14 | 26.77 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 3809190333.0-MACKEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:03:29 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 15.76 | 18.13 | 16.90 | 16.93 | 7.02 | ppb |
| Antimony | 121-1 | 0.30 | 0.31 | 0.29 | 0.30 | 3.04 | ppb |
| Arsenic | 75-1 | 7.40 | 7.79 | 7.71 | 7.63 | 2.65 | ppb |
| Barium | 135-1 | 14.00 | 13.86 | 13.96 | 13.94 | 0.52 | ppb |
| Barium | 137-1 | 14.01 | 13.91 | 13.88 | 13.94 | 0.49 | ppb |
| Beryllium | 9-1 | -0.14 | -0.11 | -0.09 | -0.11 | | ppb |
| Bismuth | 209-1 | | | | 132 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Boron | 10-1 | 13.48 | 14.03 | 14.63 | 14.05 | 4.07 | ppb |
| Boron | 11-1 | 15.41 | 15.07 | 15.09 | 15.19 | 1.24 | ppb |
| Cadmium | 111-1 | -0.13 | -0.08 | -0.14 | -0.11 | | ppb |
| Cadmium | 106-1 | -1.18 | -0.75 | -1.54 | -1.16 | | ppb |
| Cadmium | 108-1 | -0.02 | -0.05 | 0.02 | -0.02 | | ppb |
| Calcium | 43-1 | 50388.73 | 51015.02 | 49669.39 | 50357.71 | 1.34 | ppb |
| Calcium | 44-1 | 51008.25 | 50773.05 | 50258.42 | 50679.90 | 0.76 | ppb |
| Chromium | 52-2 | 0.24 | 0.28 | 0.37 | 0.29 | 22.58 | ppb |
| Cobalt | 59-2 | -0.11 | -0.12 | -0.10 | -0.11 | | ppb |
| Copper | 63-2 | 32.15 | 32.23 | 34.23 | 32.87 | 3.59 | 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 | | | | 126 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 115 | | % |
| Indium | 115-2 | | | | 93 | | % |
| Iron | 56-2 | 21.29 | 20.68 | 21.88 | 21.28 | 2.81 | ppb |
| Iron | 57-2 | 26.72 | 22.02 | 17.77 | 22.17 | 20.18 | ppb |
| Krypton | 83-1 | 1599.69 | 1834.84 | 2305.68 | 1913.40 | 18.79 | ppb |
| Lead | 206-1 | 0.60 | 0.66 | 0.62 | 0.63 | 5.02 | ppb |
| Lead | 207-1 | 0.55 | 0.58 | 0.55 | 0.56 | 2.80 | ppb |
| Lead | 208-1 | 0.59 | 0.61 | 0.59 | 0.60 | 1.64 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 7729.01 | 7804.36 | 8256.66 | 7930.01 | 3.60 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 3809190333.0-MACKEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:03:29 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 5.39 | 5.39 | 6.12 | 5.63 | 7.49 | ppb |
| Molybdenum | 94-1 | 0.90 | 0.93 | 0.88 | 0.90 | 2.78 | ppb |
| Molybdenum | 95-1 | 1.20 | 1.35 | 1.32 | 1.29 | 6.17 | ppb |
| Molybdenum | 96-1 | 1.26 | 1.24 | 1.19 | 1.23 | 2.82 | ppb |
| Molybdenum | 97-1 | 1.22 | 1.20 | 1.37 | 1.26 | 7.19 | ppb |
| Molybdenum | 98-1 | 1.26 | 1.29 | 1.26 | 1.27 | 1.19 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.38 | 0.61 | 0.63 | 0.54 | 25.64 | ppb |
| Phosphorus | 31-2 | -15.90 | -15.90 | -15.90 | -15.90 | | ppb |
| Potassium | 39-2 | 2807.29 | 2897.50 | 3108.93 | 2937.91 | 5.27 | ppb |
| Rhodium | 103-1 | | | | 110 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 103 | | % |
| Scandium | 45-2 | | | | 81 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 1.18 | -0.21 | -0.21 | 0.25 | 319.40 | ppb |
| Selenium | 82-1 | 0.51 | 0.81 | 1.23 | 0.85 | 43.16 | ppb |
| Silicon | 28-1 | 8745.19 | 8804.54 | 8584.75 | 8711.50 | 1.31 | ppb |
| Silver | 109-1 | 0.19 | 0.18 | 0.19 | 0.19 | 5.21 | ppb |
| Silver | 107-1 | 0.16 | 0.17 | 0.19 | 0.17 | 6.48 | ppb |
| Sodium | 23-2 | 12154.62 | 12285.43 | 12991.68 | 12477.24 | 3.61 | ppb |
| Strontium | 86-1 | 268.37 | 271.00 | 269.50 | 269.62 | 0.49 | ppb |
| Strontium | 88-1 | 275.48 | 277.78 | 277.17 | 276.81 | 0.43 | ppb |
| Sulfur | 34-1 | 7922.18 | 8140.32 | 7784.85 | 7949.12 | 2.26 | ppb |
| Terbium | 159-1 | | | | 124 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Thallium | 205-1 | -0.01 | -0.01 | -0.01 | -0.01 | | ppb |
| Tin | 118-1 | 0.27 | 0.25 | 0.26 | 0.26 | 4.05 | ppb |
| Titanium | 47-1 | 0.37 | 0.28 | 0.38 | 0.34 | 16.41 | ppb |
| Uranium | 238-1 | 2.68 | 2.68 | 2.71 | 2.69 | 0.52 | ppb |
| Vanadium | 51-2 | 0.44 | 0.51 | 0.34 | 0.43 | 19.25 | ppb |
| Yttrium | 89-1 | | | | 111 | | % |
| Yttrium | 89-2 | | | | 89 | | % |
| Zinc | 66-2 | 31.00 | 33.52 | 35.34 | 33.29 | 6.54 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 3809190333.0-MACKEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:03:29 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.03 | 0.02 | 0.03 | 0.03 | 16.74 | ppb |
| Zirconium | 91-1 | 0.03 | 0.03 | 0.03 | 0.03 | 3.49 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919036.1-SCHLESIE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:06:50 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 16.19 | 14.87 | 17.29 | 16.12 | 7.51 | ppb |
| Antimony | 121-1 | 0.18 | 0.20 | 0.21 | 0.20 | 8.71 | ppb |
| Arsenic | 75-1 | 7.82 | 8.14 | 8.50 | 8.16 | 4.15 | ppb |
| Barium | 135-1 | 415.97 | 419.38 | 415.64 | 416.99 | 0.50 | ppb |
| Barium | 137-1 | 425.67 | 430.96 | 426.43 | 427.69 | 0.67 | ppb |
| Beryllium | 9-1 | -0.12 | -0.10 | -0.12 | -0.11 | | ppb |
| Bismuth | 209-1 | | | | 133 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Boron | 10-1 | 11.17 | 11.19 | 10.49 | 10.95 | 3.64 | ppb |
| Boron | 11-1 | 12.04 | 11.72 | 11.41 | 11.72 | 2.68 | ppb |
| Cadmium | 111-1 | -0.19 | -0.18 | -0.19 | -0.19 | | ppb |
| Cadmium | 106-1 | -1.72 | -1.82 | -1.90 | -1.81 | | ppb |
| Cadmium | 108-1 | 0.04 | -0.02 | 0.02 | 0.01 | 241.34 | ppb |
| Calcium | 43-1 | 36039.30 | 35853.07 | 36367.14 | 36086.50 | 0.72 | ppb |
| Calcium | 44-1 | 36547.59 | 36199.45 | 36925.68 | 36557.57 | 0.99 | ppb |
| Chromium | 52-2 | 0.33 | 0.34 | 0.23 | 0.30 | 20.70 | ppb |
| Cobalt | 59-2 | -0.11 | -0.12 | -0.11 | -0.11 | | ppb |
| Copper | 63-2 | 57.89 | 58.13 | 57.25 | 57.75 | 0.79 | 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 | | | | 126 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 114 | | % |
| Indium | 115-2 | | | | 92 | | % |
| Iron | 56-2 | 11.43 | 12.09 | 11.78 | 11.77 | 2.80 | ppb |
| Iron | 57-2 | 10.36 | 14.48 | 12.64 | 12.50 | 16.51 | ppb |
| Krypton | 83-1 | 1485.60 | 1454.07 | 1874.14 | 1604.60 | 14.58 | ppb |
| Lead | 206-1 | 0.23 | 0.22 | 0.24 | 0.23 | 3.56 | ppb |
| Lead | 207-1 | 0.19 | 0.19 | 0.22 | 0.20 | 9.52 | ppb |
| Lead | 208-1 | 0.21 | 0.21 | 0.21 | 0.21 | 1.22 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 9496.70 | 9469.16 | 9407.55 | 9457.80 | 0.48 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919036.1-SCHLESIE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:06:50 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.22 | 0.31 | 0.31 | 0.28 | 19.01 | ppb |
| Molybdenum | 94-1 | 3.76 | 3.59 | 3.67 | 3.67 | 2.40 | ppb |
| Molybdenum | 95-1 | 5.26 | 5.40 | 5.20 | 5.29 | 1.96 | ppb |
| Molybdenum | 96-1 | 5.11 | 4.99 | 5.06 | 5.06 | 1.25 | ppb |
| Molybdenum | 97-1 | 5.19 | 5.23 | 5.27 | 5.23 | 0.82 | ppb |
| Molybdenum | 98-1 | 5.42 | 5.23 | 5.11 | 5.25 | 2.95 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.52 | 0.52 | 0.47 | 0.50 | 5.84 | ppb |
| Phosphorus | 31-2 | 22.77 | 62.50 | 157.53 | 80.94 | 85.56 | ppb |
| Potassium | 39-2 | 699.05 | 697.46 | 709.13 | 701.88 | 0.90 | ppb |
| Rhodium | 103-1 | | | | 109 | | % |
| Rhodium | 103-2 | | | | 96 | | % |
| Scandium | 45-1 | | | | 100 | | % |
| Scandium | 45-2 | | | | 82 | | % |
| Selenium | 77-2 | 0.00 | 4.68 | 0.00 | 1.56 | 173.21 | ppb |
| Selenium | 78-2 | 1.21 | 0.51 | -0.21 | 0.50 | 141.38 | ppb |
| Selenium | 82-1 | 0.48 | 0.58 | 1.08 | 0.71 | 45.18 | ppb |
| Silicon | 28-1 | 12567.25 | 12510.06 | 12750.73 | 12609.35 | 1.00 | ppb |
| Silver | 109-1 | 0.15 | 0.16 | 0.18 | 0.16 | 9.09 | ppb |
| Silver | 107-1 | 0.14 | 0.16 | 0.16 | 0.15 | 9.93 | ppb |
| Sodium | 23-2 | 9689.29 | 9664.09 | 9550.49 | 9634.62 | 0.77 | ppb |
| Strontium | 86-1 | 70.23 | 72.12 | 70.49 | 70.95 | 1.44 | ppb |
| Strontium | 88-1 | 74.50 | 74.66 | 73.88 | 74.35 | 0.55 | ppb |
| Sulfur | 34-1 | 1929.44 | 2073.32 | 2190.45 | 2064.40 | 6.33 | ppb |
| Terbium | 159-1 | | | | 124 | | % |
| Terbium | 159-2 | | | | 107 | | % |
| Thallium | 203-1 | -0.04 | -0.02 | -0.03 | -0.03 | | ppb |
| Thallium | 205-1 | -0.02 | -0.03 | -0.03 | -0.03 | | ppb |
| Tin | 118-1 | 0.09 | 0.07 | 0.08 | 0.08 | 8.92 | ppb |
| Titanium | 47-1 | 0.43 | 0.43 | 0.31 | 0.39 | 16.87 | ppb |
| Uranium | 238-1 | 7.20 | 7.12 | 7.06 | 7.13 | 1.03 | ppb |
| Vanadium | 51-2 | 0.32 | 0.32 | 0.41 | 0.35 | 14.81 | ppb |
| Yttrium | 89-1 | | | | 110 | | % |
| Yttrium | 89-2 | | | | 88 | | % |
| Zinc | 66-2 | 20.88 | 20.41 | 19.90 | 20.40 | 2.40 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919036.1-SCHLESIE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:06:50 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.00 | 0.00 | 0.00 | 0.00 | 286.69 | ppb |
| Zirconium | 91-1 | 0.00 | 0.00 | 0.00 | 0.00 | 188.89 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5338-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927051.9-GOODLIFF | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:10:13 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18.52 | 16.03 | 11.35 | 15.30 | 23.78 | ppb |
| Antimony | 121-1 | 0.22 | 0.25 | 0.23 | 0.23 | 7.58 | ppb |
| Arsenic | 75-1 | 15.66 | 16.05 | 16.10 | 15.94 | 1.51 | ppb |
| Barium | 135-1 | 94.07 | 94.45 | 92.87 | 93.80 | 0.88 | ppb |
| Barium | 137-1 | 95.03 | 95.14 | 93.48 | 94.55 | 0.99 | ppb |
| Beryllium | 9-1 | -0.15 | -0.18 | -0.17 | -0.16 | | ppb |
| Bismuth | 209-1 | | | | 131 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Boron | 10-1 | 75.00 | 82.57 | 81.64 | 79.73 | 5.17 | ppb |
| Boron | 11-1 | 78.53 | 82.17 | 82.16 | 80.95 | 2.59 | ppb |
| Cadmium | 111-1 | -0.22 | -0.14 | -0.18 | -0.18 | | ppb |
| Cadmium | 106-1 | -2.57 | -1.71 | -1.88 | -2.05 | | ppb |
| Cadmium | 108-1 | 0.02 | -0.02 | 0.02 | 0.01 | 287.85 | ppb |
| Calcium | 43-1 | 37423.42 | 36985.19 | 37391.61 | 37266.74 | 0.66 | ppb |
| Calcium | 44-1 | 37720.57 | 37064.67 | 37570.26 | 37451.83 | 0.92 | ppb |
| Chromium | 52-2 | 1.57 | 1.72 | 1.64 | 1.64 | 4.74 | ppb |
| Cobalt | 59-2 | -0.13 | -0.12 | -0.12 | -0.12 | | ppb |
| Copper | 63-2 | 6.11 | 6.37 | 6.30 | 6.26 | 2.15 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 124 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 111 | | % |
| Indium | 115-2 | | | | 90 | | % |
| Iron | 56-2 | 30.29 | 32.04 | 32.08 | 31.47 | 3.26 | ppb |
| Iron | 57-2 | 31.08 | 34.19 | 29.84 | 31.71 | 7.06 | ppb |
| Krypton | 83-1 | 1809.85 | 1886.94 | 1099.02 | 1598.61 | 27.17 | ppb |
| Lead | 206-1 | 0.71 | 0.69 | 0.73 | 0.71 | 2.93 | ppb |
| Lead | 207-1 | 0.64 | 0.68 | 0.63 | 0.65 | 4.46 | ppb |
| Lead | 208-1 | 0.68 | 0.68 | 0.69 | 0.68 | 0.25 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 15677.11 | 15642.82 | 16025.45 | 15781.79 | 1.34 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5338-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927051.9-GOODLIFF | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:10:13 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.35 | 0.32 | 0.13 | 0.27 | 46.33 | ppb |
| Molybdenum | 94-1 | 1.24 | 1.34 | 1.32 | 1.30 | 4.20 | ppb |
| Molybdenum | 95-1 | 1.60 | 1.71 | 1.68 | 1.67 | 3.62 | ppb |
| Molybdenum | 96-1 | 1.61 | 1.58 | 1.65 | 1.61 | 2.24 | ppb |
| Molybdenum | 97-1 | 1.66 | 1.60 | 1.59 | 1.61 | 2.50 | ppb |
| Molybdenum | 98-1 | 1.66 | 1.69 | 1.68 | 1.68 | 0.95 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.20 | 0.09 | 0.09 | 0.13 | 51.27 | ppb |
| Phosphorus | 31-2 | 24.33 | 45.58 | 4.97 | 24.96 | 81.39 | ppb |
| Potassium | 39-2 | 887.83 | 990.38 | 1009.96 | 962.73 | 6.81 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 92 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 78 | | % |
| Selenium | 77-2 | 4.75 | 4.81 | 0.00 | 3.18 | 86.61 | ppb |
| Selenium | 78-2 | 1.99 | 1.27 | -0.21 | 1.02 | 110.46 | ppb |
| Selenium | 82-1 | 1.17 | 1.14 | 1.03 | 1.11 | 6.28 | ppb |
| Silicon | 28-1 | 10927.65 | 10769.91 | 10767.15 | 10821.57 | 0.85 | ppb |
| Silver | 109-1 | 0.14 | 0.13 | 0.14 | 0.14 | 3.65 | ppb |
| Silver | 107-1 | 0.13 | 0.13 | 0.15 | 0.14 | 7.58 | ppb |
| Sodium | 23-2 | 10240.41 | 10339.54 | 10534.49 | 10371.48 | 1.44 | ppb |
| Strontium | 86-1 | 902.59 | 892.94 | 892.19 | 895.91 | 0.65 | ppb |
| Strontium | 88-1 | 894.31 | 891.21 | 896.11 | 893.87 | 0.28 | ppb |
| Sulfur | 34-1 | 15496.12 | 15258.98 | 15552.32 | 15435.81 | 1.01 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | -0.04 | -0.04 | -0.04 | -0.04 | | ppb |
| Thallium | 205-1 | -0.04 | -0.03 | -0.04 | -0.04 | | ppb |
| Tin | 118-1 | 0.27 | 0.29 | 0.25 | 0.27 | 7.00 | ppb |
| Titanium | 47-1 | 0.38 | 0.37 | 0.39 | 0.38 | 3.23 | ppb |
| Uranium | 238-1 | 1.42 | 1.46 | 1.47 | 1.45 | 1.80 | ppb |
| Vanadium | 51-2 | 4.82 | 4.95 | 5.16 | 4.98 | 3.40 | ppb |
| Yttrium | 89-1 | | | | 108 | | % |
| Yttrium | 89-2 | | | | 85 | | % |
| Zinc | 66-2 | 27.12 | 29.90 | 27.48 | 28.17 | 5.38 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5338-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927051.9-GOODLIFF | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:10:13 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.09 | 0.09 | 0.09 | 0.09 | 3.24 | ppb |
| Zirconium | 91-1 | 0.04 | 0.09 | 0.06 | 0.06 | 41.95 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5339-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927113.9-OCONNELI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:13:35 | DataFile Name : | 030SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18.26 | 13.59 | 15.08 | 15.64 | 15.25 | ppb |
| Antimony | 121-1 | 0.27 | 0.23 | 0.24 | 0.25 | 8.99 | ppb |
| Arsenic | 75-1 | 15.04 | 14.28 | 14.37 | 14.56 | 2.85 | ppb |
| Barium | 135-1 | 480.46 | 438.32 | 437.35 | 452.04 | 5.44 | ppb |
| Barium | 137-1 | 496.10 | 448.56 | 452.69 | 465.78 | 5.65 | ppb |
| Beryllium | 9-1 | -0.15 | -0.12 | -0.14 | -0.14 | | ppb |
| Bismuth | 209-1 | | | | 129 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Boron | 10-1 | 111.86 | 105.37 | 105.85 | 107.70 | 3.36 | ppb |
| Boron | 11-1 | 107.66 | 101.91 | 103.65 | 104.41 | 2.83 | ppb |
| Cadmium | 111-1 | -0.18 | -0.16 | -0.24 | -0.19 | | ppb |
| Cadmium | 106-1 | -1.53 | -1.32 | -2.48 | -1.78 | | ppb |
| Cadmium | 108-1 | 0.03 | 0.02 | -0.02 | 0.01 | 257.76 | ppb |
| Calcium | 43-1 | 53807.04 | 49971.64 | 49659.20 | 51145.96 | 4.52 | ppb |
| Calcium | 44-1 | 53883.64 | 50104.02 | 50139.87 | 51375.84 | 4.23 | ppb |
| Chromium | 52-2 | 0.82 | 0.62 | 0.67 | 0.70 | 15.00 | ppb |
| Cobalt | 59-2 | -0.12 | -0.09 | -0.11 | -0.11 | | ppb |
| Copper | 63-2 | 23.60 | 23.65 | 24.03 | 23.76 | 0.99 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 122 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 109 | | % |
| Indium | 115-2 | | | | 89 | | % |
| Iron | 56-2 | 8.72 | 8.54 | 8.64 | 8.63 | 1.01 | ppb |
| Iron | 57-2 | 7.93 | 8.67 | 6.76 | 7.79 | 12.41 | ppb |
| Krypton | 83-1 | 1095.89 | 2162.24 | 1437.59 | 1565.24 | 34.79 | ppb |
| Lead | 206-1 | 0.33 | 0.23 | 0.24 | 0.27 | 20.22 | ppb |
| Lead | 207-1 | 0.25 | 0.21 | 0.24 | 0.23 | 10.27 | ppb |
| Lead | 208-1 | 0.28 | 0.23 | 0.23 | 0.25 | 12.26 | ppb |
| Lithium | 6-1 | | | | 108 | | % |
| Magnesium | 24-2 | 22010.49 | 21935.53 | 22046.87 | 21997.63 | 0.26 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5339-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927113.9-OCONNELI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:13:35 | DataFile Name : | 030SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.55 | 0.47 | 0.17 | 0.40 | 50.57 | ppb |
| Molybdenum | 94-1 | 0.80 | 0.81 | 0.79 | 0.80 | 1.09 | ppb |
| Molybdenum | 95-1 | 1.07 | 1.00 | 1.06 | 1.04 | 3.51 | ppb |
| Molybdenum | 96-1 | 1.10 | 1.07 | 1.03 | 1.07 | 3.20 | ppb |
| Molybdenum | 97-1 | 1.22 | 1.06 | 0.94 | 1.07 | 12.68 | ppb |
| Molybdenum | 98-1 | 1.12 | 1.04 | 1.12 | 1.09 | 4.16 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.66 | 0.64 | 0.75 | 0.68 | 8.98 | ppb |
| Phosphorus | 31-2 | 4.77 | 4.60 | 25.78 | 11.72 | 103.97 | ppb |
| Potassium | 39-2 | 1181.39 | 1182.99 | 1184.36 | 1182.91 | 0.13 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 91 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 77 | | % |
| Selenium | 77-2 | 4.83 | 0.00 | 0.00 | 1.61 | 173.21 | ppb |
| Selenium | 78-2 | 1.28 | -0.21 | 2.04 | 1.03 | 110.61 | ppb |
| Selenium | 82-1 | 0.37 | 1.05 | 0.56 | 0.66 | 53.38 | ppb |
| Silicon | 28-1 | 9204.62 | 8529.15 | 8468.74 | 8734.17 | 4.68 | ppb |
| Silver | 109-1 | 0.13 | 0.12 | 0.12 | 0.12 | 4.81 | ppb |
| Silver | 107-1 | 0.13 | 0.12 | 0.16 | 0.14 | 14.81 | ppb |
| Sodium | 23-2 | 12347.01 | 12039.24 | 12213.11 | 12199.79 | 1.26 | ppb |
| Strontium | 86-1 | 585.34 | 545.64 | 552.60 | 561.19 | 3.78 | ppb |
| Strontium | 88-1 | 585.20 | 548.06 | 551.87 | 561.71 | 3.64 | ppb |
| Sulfur | 34-1 | 2897.53 | 1953.25 | 1952.14 | 2267.64 | 24.06 | ppb |
| Terbium | 159-1 | | | | 119 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | -0.05 | -0.04 | -0.05 | -0.05 | | ppb |
| Thallium | 205-1 | -0.04 | -0.04 | -0.04 | -0.04 | | ppb |
| Tin | 118-1 | 0.13 | 0.10 | 0.10 | 0.11 | 14.24 | ppb |
| Titanium | 47-1 | 0.27 | 0.32 | 0.28 | 0.29 | 9.19 | ppb |
| Uranium | 238-1 | 3.16 | 2.95 | 2.95 | 3.02 | 4.09 | ppb |
| Vanadium | 51-2 | 2.59 | 2.48 | 2.75 | 2.60 | 5.27 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 84 | | % |
| Zinc | 66-2 | 15.37 | 15.90 | 15.23 | 15.50 | 2.30 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5339-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927113.9-OCONNELI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:13:35 | DataFile Name : | 030SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.06 | 0.04 | 0.03 | 0.04 | 36.24 | ppb |
| Zirconium | 91-1 | 0.02 | 0.04 | 0.03 | 0.03 | 21.86 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:16:57 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 52520.05 | 51782.79 | 52491.10 | 52264.65 | 0.80 | ppb |
| Antimony | 121-1 | 504.74 | 488.15 | 486.17 | 493.02 | 2.07 | ppb |
| Arsenic | 75-1 | 515.03 | 503.20 | 488.26 | 502.16 | 2.67 | ppb |
| Barium | 135-1 | 2622.27 | 2535.49 | 2490.51 | 2549.42 | 2.63 | ppb |
| Barium | 137-1 | 2612.54 | 2533.81 | 2480.19 | 2542.18 | 2.62 | ppb |
| Beryllium | 9-1 | 516.72 | 507.90 | 499.39 | 508.00 | 1.71 | ppb |
| Bismuth | 209-1 | | | | 110 | | % |
| Bismuth | 209-2 | | | | 93 | | % |
| Boron | 10-1 | 519.95 | 528.03 | 523.08 | 523.69 | 0.78 | ppb |
| Boron | 11-1 | 512.82 | 516.09 | 520.09 | 516.33 | 0.70 | ppb |
| Cadmium | 111-1 | 495.23 | 485.60 | 475.11 | 485.31 | 2.07 | ppb |
| Cadmium | 106-1 | 507.29 | 491.06 | 478.08 | 492.15 | 2.97 | ppb |
| Cadmium | 108-1 | 496.20 | 487.50 | 481.68 | 488.46 | 1.50 | ppb |
| Calcium | 43-1 | 253635.81 | 246473.88 | 241711.36 | 247273.68 | 2.43 | ppb |
| Calcium | 44-1 | 252441.67 | 246448.17 | 241397.41 | 246762.42 | 2.24 | ppb |
| Chromium | 52-2 | 526.32 | 517.71 | 521.22 | 521.75 | 0.83 | ppb |
| Cobalt | 59-2 | 511.00 | 509.92 | 509.25 | 510.06 | 0.17 | ppb |
| Copper | 63-2 | 1003.73 | 998.16 | 998.46 | 1000.12 | 0.31 | 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 | | | | 94 | | % |
| Indium | 115-2 | | | | 80 | | % |
| Iron | 56-2 | 130451.11 | 129866.23 | 129614.46 | 129977.26 | 0.33 | ppb |
| Iron | 57-2 | 130890.38 | 132457.61 | 130800.11 | 131382.70 | 0.71 | ppb |
| Krypton | 83-1 | 998.50 | 1840.01 | 1102.14 | 1313.55 | 34.93 | ppb |
| Lead | 206-1 | 540.81 | 517.87 | 517.28 | 525.32 | 2.55 | ppb |
| Lead | 207-1 | 542.32 | 526.90 | 514.68 | 527.97 | 2.62 | ppb |
| Lead | 208-1 | 537.12 | 521.96 | 514.31 | 524.47 | 2.21 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 255718.14 | 253890.23 | 254762.54 | 254790.30 | 0.36 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:16:57 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1028.01 | 1021.47 | 1020.06 | 1023.18 | 0.41 | ppb |
| Molybdenum | 94-1 | 2670.08 | 2537.14 | 2555.76 | 2587.66 | 2.78 | ppb |
| Molybdenum | 95-1 | 2647.44 | 2556.17 | 2536.94 | 2580.19 | 2.29 | ppb |
| Molybdenum | 96-1 | 2663.71 | 2537.77 | 2518.19 | 2573.22 | 3.07 | ppb |
| Molybdenum | 97-1 | 2645.36 | 2560.64 | 2526.60 | 2577.53 | 2.37 | ppb |
| Molybdenum | 98-1 | 2659.45 | 2533.31 | 2531.15 | 2574.64 | 2.85 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 518.34 | 514.47 | 512.43 | 515.08 | 0.58 | ppb |
| Phosphorus | 31-2 | 10521.69 | 9804.93 | 10241.09 | 10189.24 | 3.54 | ppb |
| Potassium | 39-2 | 125692.87 | 124942.50 | 126387.60 | 125674.32 | 0.58 | ppb |
| Rhodium | 103-1 | | | | 88 | | % |
| Rhodium | 103-2 | | | | 81 | | % |
| Scandium | 45-1 | | | | 85 | | % |
| Scandium | 45-2 | | | | 73 | | % |
| Selenium | 77-2 | 506.23 | 407.19 | 552.80 | 488.74 | 15.22 | ppb |
| Selenium | 78-2 | 549.38 | 551.14 | 500.83 | 533.78 | 5.35 | ppb |
| Selenium | 82-1 | 519.13 | 494.60 | 489.29 | 501.00 | 3.18 | ppb |
| Silicon | 28-1 | 549.64 | 524.07 | 507.45 | 527.05 | 4.03 | ppb |
| Silver | 109-1 | 505.63 | 497.18 | 487.66 | 496.82 | 1.81 | ppb |
| Silver | 107-1 | 506.01 | 489.27 | 484.63 | 493.31 | 2.28 | ppb |
| Sodium | 23-2 | 257370.23 | 254031.47 | 253943.07 | 255114.92 | 0.77 | ppb |
| Strontium | 86-1 | 522.83 | 501.16 | 496.27 | 506.75 | 2.79 | ppb |
| Strontium | 88-1 | 537.52 | 511.80 | 510.15 | 519.83 | 2.95 | ppb |
| Sulfur | 34-1 | 11382.99 | 10801.37 | 10250.35 | 10811.57 | 5.24 | ppb |
| Terbium | 159-1 | | | | 107 | | % |
| Terbium | 159-2 | | | | 96 | | % |
| Thallium | 203-1 | 546.02 | 525.11 | 517.14 | 529.42 | 2.82 | ppb |
| Thallium | 205-1 | 534.40 | 516.56 | 513.29 | 521.42 | 2.18 | ppb |
| Tin | 118-1 | 519.25 | 507.73 | 498.42 | 508.47 | 2.05 | ppb |
| Titanium | 47-1 | 2699.82 | 2585.40 | 2532.28 | 2605.83 | 3.29 | ppb |
| Uranium | 238-1 | 545.25 | 534.58 | 525.10 | 534.98 | 1.88 | ppb |
| Vanadium | 51-2 | 522.44 | 515.59 | 518.53 | 518.85 | 0.66 | ppb |
| Yttrium | 89-1 | | | | 93 | | % |
| Yttrium | 89-2 | | | | 79 | | % |
| Zinc | 66-2 | 1000.27 | 995.40 | 991.62 | 995.76 | 0.44 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:16:57 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 537.99 | 511.52 | 506.75 | 518.75 | 3.24 | ppb |
| Zirconium | 91-1 | 531.69 | 521.74 | 509.69 | 521.04 | 2.11 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:20:10 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1.88 | 2.34 | 5.26 | 3.16 | 58.04 | ppb |
| Antimony | 121-1 | 1.06 | 0.96 | 0.93 | 0.98 | 6.79 | ppb |
| Arsenic | 75-1 | 0.34 | 0.34 | 0.25 | 0.31 | 16.01 | ppb |
| Barium | 135-1 | 0.04 | 0.01 | 0.00 | 0.02 | 119.09 | ppb |
| Barium | 137-1 | -0.02 | -0.05 | -0.03 | -0.04 | | ppb |
| Beryllium | 9-1 | 0.09 | 0.06 | 0.09 | 0.08 | 18.01 | ppb |
| Bismuth | 209-1 | | | | 122 | | % |
| Bismuth | 209-2 | | | | 101 | | % |
| Boron | 10-1 | 21.19 | 19.97 | 16.33 | 19.16 | 13.19 | ppb |
| Boron | 11-1 | 19.38 | 17.68 | 15.71 | 17.59 | 10.46 | ppb |
| Cadmium | 111-1 | -0.15 | -0.09 | -0.14 | -0.12 | | ppb |
| Cadmium | 106-1 | -2.01 | -0.87 | -1.70 | -1.53 | | ppb |
| Cadmium | 108-1 | 0.16 | -0.04 | 0.03 | 0.05 | 200.83 | ppb |
| Calcium | 43-1 | 10.89 | 6.53 | 5.90 | 7.77 | 34.97 | ppb |
| Calcium | 44-1 | 7.70 | 4.01 | 1.68 | 4.47 | 67.96 | ppb |
| Chromium | 52-2 | -0.13 | 0.08 | -0.08 | -0.04 | | ppb |
| Cobalt | 59-2 | -0.11 | -0.11 | -0.12 | -0.11 | | ppb |
| Copper | 63-2 | 0.12 | 0.09 | 0.09 | 0.10 | 15.54 | 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 | | | | 114 | | % |
| Holmium | 165-2 | | | | 99 | | % |
| Indium | 115-1 | | | | 103 | | % |
| Indium | 115-2 | | | | 86 | | % |
| Iron | 56-2 | 6.63 | 5.81 | 4.71 | 5.71 | 16.84 | ppb |
| Iron | 57-2 | 3.20 | 8.07 | 4.00 | 5.09 | 51.36 | ppb |
| Krypton | 83-1 | 1048.77 | 972.36 | 676.26 | 899.13 | 21.88 | ppb |
| Lead | 206-1 | -0.07 | -0.08 | -0.09 | -0.08 | | ppb |
| Lead | 207-1 | -0.09 | -0.10 | -0.09 | -0.09 | | ppb |
| Lead | 208-1 | -0.07 | -0.09 | -0.09 | -0.08 | | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 10.08 | 4.64 | 5.21 | 6.64 | 44.95 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:20:10 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | -0.09 | -0.15 | -0.06 | -0.10 | | ppb |
| Molybdenum | 94-1 | 0.93 | 0.76 | 0.74 | 0.81 | 12.67 | ppb |
| Molybdenum | 95-1 | 0.88 | 0.74 | 0.70 | 0.77 | 12.14 | ppb |
| Molybdenum | 96-1 | 0.89 | 0.79 | 0.73 | 0.80 | 9.91 | ppb |
| Molybdenum | 97-1 | 0.97 | 0.76 | 0.78 | 0.83 | 13.61 | ppb |
| Molybdenum | 98-1 | 0.95 | 0.81 | 0.73 | 0.83 | 13.45 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.41 | -0.35 | -0.28 | -0.35 | | ppb |
| Phosphorus | 31-2 | -15.90 | -15.90 | -15.90 | -15.90 | | ppb |
| Potassium | 39-2 | 14.70 | -5.24 | 5.42 | 4.96 | 201.08 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 89 | | % |
| Scandium | 45-2 | | | | 74 | | % |
| Selenium | 77-2 | 5.12 | 0.00 | 0.00 | 1.71 | 173.21 | ppb |
| Selenium | 78-2 | 1.37 | 2.14 | -0.21 | 1.10 | 109.10 | ppb |
| Selenium | 82-1 | 0.33 | 0.31 | 0.05 | 0.23 | 68.01 | ppb |
| Silicon | 28-1 | -11.97 | -10.82 | -12.04 | -11.61 | | ppb |
| Silver | 109-1 | 0.08 | 0.07 | 0.08 | 0.08 | 6.88 | ppb |
| Silver | 107-1 | 0.08 | 0.08 | 0.09 | 0.09 | 4.62 | ppb |
| Sodium | 23-2 | 75.70 | 62.95 | 68.29 | 68.98 | 9.28 | ppb |
| Strontium | 86-1 | 0.04 | -0.01 | -0.02 | 0.00 | 1291.44 | ppb |
| Strontium | 88-1 | 0.06 | 0.05 | 0.05 | 0.05 | 7.39 | ppb |
| Sulfur | 34-1 | -367.88 | -268.90 | -368.09 | -334.96 | | ppb |
| Terbium | 159-1 | | | | 112 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 0.07 | 0.04 | 0.05 | 0.05 | 30.49 | ppb |
| Thallium | 205-1 | 0.07 | 0.05 | 0.06 | 0.06 | 12.11 | ppb |
| Tin | 118-1 | 0.28 | 0.23 | 0.18 | 0.23 | 21.93 | ppb |
| Titanium | 47-1 | 0.22 | 0.13 | 0.11 | 0.15 | 35.80 | ppb |
| Uranium | 238-1 | -0.10 | -0.10 | -0.10 | -0.10 | | ppb |
| Vanadium | 51-2 | -0.01 | -0.05 | -0.01 | -0.02 | | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 80 | | % |
| Zinc | 66-2 | -0.19 | -0.14 | 0.10 | -0.08 | | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:20:10 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.13 | 0.13 | 0.14 | 0.13 | 5.99 | ppb |
| Zirconium | 91-1 | 0.06 | 0.12 | 0.16 | 0.11 | 40.99 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5340-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926125.9-PAPERTEC | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:23:33 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 14.80 | 15.25 | 13.68 | 14.58 | 5.57 | ppb |
| Antimony | 121-1 | 0.49 | 0.49 | 0.45 | 0.48 | 5.68 | ppb |
| Arsenic | 75-1 | 4.73 | 5.67 | 5.89 | 5.43 | 11.30 | ppb |
| Barium | 135-1 | 60.38 | 64.55 | 59.63 | 61.52 | 4.31 | ppb |
| Barium | 137-1 | 59.44 | 63.40 | 59.44 | 60.76 | 3.76 | ppb |
| Beryllium | 9-1 | -0.03 | -0.04 | -0.07 | -0.05 | | ppb |
| Bismuth | 209-1 | | | | 126 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Boron | 10-1 | 505.21 | 543.84 | 520.59 | 523.21 | 3.72 | ppb |
| Boron | 11-1 | 502.82 | 547.02 | 518.00 | 522.62 | 4.30 | ppb |
| Cadmium | 111-1 | -0.06 | -0.12 | -0.13 | -0.10 | | ppb |
| Cadmium | 106-1 | -1.11 | -1.82 | -2.03 | -1.65 | | ppb |
| Cadmium | 108-1 | -0.02 | 0.01 | 0.09 | 0.03 | 238.78 | ppb |
| Calcium | 43-1 | 171879.67 | 179634.46 | 169495.33 | 173669.82 | 3.05 | ppb |
| Calcium | 44-1 | 171245.06 | 180515.23 | 168839.91 | 173533.40 | 3.55 | ppb |
| Chromium | 52-2 | 1.99 | 1.90 | 2.00 | 1.97 | 3.04 | ppb |
| Cobalt | 59-2 | 3.89 | 3.71 | 3.87 | 3.82 | 2.58 | ppb |
| Copper | 63-2 | 277.98 | 277.33 | 274.96 | 276.75 | 0.57 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 122 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 88 | | % |
| Iron | 56-2 | 357.21 | 358.34 | 358.20 | 357.92 | 0.17 | ppb |
| Iron | 57-2 | 370.92 | 345.94 | 353.25 | 356.70 | 3.60 | ppb |
| Krypton | 83-1 | 1687.18 | 1245.08 | 1229.38 | 1387.21 | 18.74 | ppb |
| Lead | 206-1 | 2.48 | 2.49 | 2.42 | 2.46 | 1.50 | ppb |
| Lead | 207-1 | 2.14 | 2.24 | 2.20 | 2.19 | 2.46 | ppb |
| Lead | 208-1 | 2.31 | 2.38 | 2.25 | 2.31 | 2.66 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 96393.52 | 96519.96 | 95161.88 | 96025.12 | 0.78 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5340-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926125.9-PAPERTEC | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:23:33 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 6.19 | 6.21 | 5.29 | 5.90 | 8.85 | ppb |
| Molybdenum | 94-1 | 0.20 | 0.22 | 0.16 | 0.19 | 13.80 | ppb |
| Molybdenum | 95-1 | 0.22 | 0.18 | 0.17 | 0.19 | 13.09 | ppb |
| Molybdenum | 96-1 | 0.20 | 0.19 | 0.20 | 0.20 | 2.87 | ppb |
| Molybdenum | 97-1 | 0.22 | 0.23 | 0.18 | 0.21 | 12.92 | ppb |
| Molybdenum | 98-1 | 0.20 | 0.18 | 0.16 | 0.18 | 10.92 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 9.33 | 9.62 | 10.13 | 9.70 | 4.14 | ppb |
| Phosphorus | 31-2 | -15.90 | 25.20 | 4.72 | 4.67 | 439.88 | ppb |
| Potassium | 39-2 | 5448.36 | 5637.07 | 5389.43 | 5491.62 | 2.36 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 89 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 77 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | -0.21 | 1.28 | 2.05 | 1.04 | 110.65 | ppb |
| Selenium | 82-1 | 0.87 | 0.48 | 0.41 | 0.59 | 41.70 | ppb |
| Silicon | 28-1 | 11949.21 | 12543.26 | 11759.58 | 12084.02 | 3.38 | ppb |
| Silver | 109-1 | 0.49 | 0.53 | 0.47 | 0.50 | 6.21 | ppb |
| Silver | 107-1 | 0.47 | 0.54 | 0.48 | 0.50 | 8.19 | ppb |
| Sodium | 23-2 | 42850.88 | 42473.17 | 42687.39 | 42670.48 | 0.44 | ppb |
| Strontium | 86-1 | 746.97 | 775.71 | 718.75 | 747.14 | 3.81 | ppb |
| Strontium | 88-1 | 738.82 | 779.72 | 726.71 | 748.42 | 3.71 | ppb |
| Sulfur | 34-1 | 6531.39 | 7590.21 | 6715.70 | 6945.77 | 8.14 | ppb |
| Terbium | 159-1 | | | | 120 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | 0.07 | 0.05 | 0.05 | 0.05 | 21.26 | ppb |
| Thallium | 205-1 | 0.08 | 0.06 | 0.02 | 0.05 | 51.57 | ppb |
| Tin | 118-1 | 0.24 | 0.21 | 0.19 | 0.21 | 11.58 | ppb |
| Titanium | 47-1 | 0.36 | 0.35 | 0.32 | 0.34 | 6.67 | ppb |
| Uranium | 238-1 | -0.04 | -0.03 | -0.04 | -0.04 | | ppb |
| Vanadium | 51-2 | 0.51 | 0.49 | 0.42 | 0.48 | 10.15 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 84 | | % |
| Zinc | 66-2 | 32.61 | 31.18 | 30.90 | 31.56 | 2.91 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5340-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926125.9-PAPERTEC | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:23:33 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.05 | 0.06 | 0.07 | 0.06 | 21.14 | ppb |
| Zirconium | 91-1 | 0.08 | 0.07 | 0.05 | 0.06 | 22.72 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926708.0-PBCU168 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:26:55 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 100.00 | 104.24 | 91.60 | 98.61 | 6.52 | ppb |
| Antimony | 121-1 | 0.30 | 0.32 | 0.35 | 0.33 | 7.26 | ppb |
| Arsenic | 75-1 | 6.32 | 6.77 | 7.31 | 6.80 | 7.31 | ppb |
| Barium | 135-1 | 0.84 | 0.91 | 0.84 | 0.86 | 4.44 | ppb |
| Barium | 137-1 | 0.76 | 0.89 | 0.96 | 0.87 | 11.54 | ppb |
| Beryllium | 9-1 | 0.03 | -0.04 | 0.02 | 0.00 | 874.48 | ppb |
| Bismuth | 209-1 | | | | 134 | | % |
| Bismuth | 209-2 | | | | 111 | | % |
| Boron | 10-1 | 29.01 | 27.89 | 24.94 | 27.28 | 7.71 | ppb |
| Boron | 11-1 | 28.74 | 27.34 | 26.73 | 27.60 | 3.72 | ppb |
| Cadmium | 111-1 | -0.08 | 0.01 | -0.05 | -0.04 | | ppb |
| Cadmium | 106-1 | -1.97 | -0.42 | -1.15 | -1.18 | | ppb |
| Cadmium | 108-1 | 0.02 | 0.11 | 0.05 | 0.06 | 74.85 | ppb |
| Calcium | 43-1 | 7949.77 | 7812.58 | 8302.16 | 8021.50 | 3.15 | ppb |
| Calcium | 44-1 | 8052.65 | 8015.04 | 8466.99 | 8178.23 | 3.07 | ppb |
| Chromium | 52-2 | 0.77 | 0.87 | 0.94 | 0.86 | 9.70 | ppb |
| Cobalt | 59-2 | 0.35 | 0.48 | 0.39 | 0.40 | 16.43 | ppb |
| Copper | 63-2 | 25.29 | 25.34 | 24.99 | 25.21 | 0.76 | 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 | | | | 123 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 111 | | % |
| Indium | 115-2 | | | | 91 | | % |
| Iron | 56-2 | 11.13 | 11.40 | 11.74 | 11.42 | 2.65 | ppb |
| Iron | 57-2 | 9.75 | 12.56 | 13.71 | 12.00 | 16.97 | ppb |
| Krypton | 83-1 | 2487.65 | 1965.51 | 1793.97 | 2082.37 | 17.35 | ppb |
| Lead | 206-1 | 26.74 | 26.61 | 28.09 | 27.15 | 3.01 | ppb |
| Lead | 207-1 | 23.81 | 23.57 | 24.95 | 24.11 | 3.05 | ppb |
| Lead | 208-1 | 25.04 | 24.98 | 26.20 | 25.41 | 2.72 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 1444.22 | 1471.22 | 1425.33 | 1446.92 | 1.59 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926708.0-PBCU168 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:26:55 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1.68 | 1.28 | 1.13 | 1.37 | 20.94 | ppb |
| Molybdenum | 94-1 | 0.06 | 0.12 | 0.11 | 0.09 | 35.10 | ppb |
| Molybdenum | 95-1 | 0.03 | 0.04 | 0.07 | 0.05 | 42.16 | ppb |
| Molybdenum | 96-1 | 0.03 | 0.05 | 0.05 | 0.05 | 26.14 | ppb |
| Molybdenum | 97-1 | 0.07 | 0.12 | 0.08 | 0.09 | 31.03 | ppb |
| Molybdenum | 98-1 | 0.07 | 0.04 | 0.06 | 0.06 | 25.58 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 14.01 | 14.74 | 13.57 | 14.11 | 4.19 | ppb |
| Phosphorus | 31-2 | 166.30 | 108.65 | 190.37 | 155.11 | 27.07 | ppb |
| Potassium | 39-2 | 1793.75 | 1933.19 | 1782.16 | 1836.37 | 4.58 | ppb |
| Rhodium | 103-1 | | | | 106 | | % |
| Rhodium | 103-2 | | | | 94 | | % |
| Scandium | 45-1 | | | | 94 | | % |
| Scandium | 45-2 | | | | 77 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 0.53 | -0.21 | 1.30 | 0.54 | 140.45 | ppb |
| Selenium | 82-1 | 0.89 | 0.64 | 0.68 | 0.74 | 18.32 | ppb |
| Silicon | 28-1 | 3051.09 | 3022.14 | 3180.17 | 3084.47 | 2.73 | ppb |
| Silver | 109-1 | 0.12 | 0.13 | 0.14 | 0.13 | 9.06 | ppb |
| Silver | 107-1 | 0.12 | 0.13 | 0.12 | 0.12 | 5.14 | ppb |
| Sodium | 23-2 | 4951.20 | 5000.08 | 5006.35 | 4985.88 | 0.61 | ppb |
| Strontium | 86-1 | 27.66 | 28.73 | 29.43 | 28.61 | 3.11 | ppb |
| Strontium | 88-1 | 28.86 | 29.14 | 30.39 | 29.47 | 2.76 | ppb |
| Sulfur | 34-1 | 753.55 | 694.45 | 1400.21 | 949.40 | 41.24 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | -0.02 | -0.02 | -0.01 | -0.02 | | ppb |
| Thallium | 205-1 | -0.02 | -0.02 | -0.02 | -0.02 | | ppb |
| Tin | 118-1 | 2.33 | 2.08 | 2.24 | 2.22 | 5.62 | ppb |
| Titanium | 47-1 | 0.45 | 0.49 | 0.51 | 0.49 | 6.55 | ppb |
| Uranium | 238-1 | -0.03 | -0.04 | -0.03 | -0.03 | | ppb |
| Vanadium | 51-2 | 0.05 | 0.04 | 0.00 | 0.03 | 84.59 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 84 | | % |
| Zinc | 66-2 | 120.05 | 122.28 | 121.46 | 121.27 | 0.93 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926708.0-PBCU168 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:26:55 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.02 | 0.03 | 0.04 | 0.03 | 26.08 | ppb |
| Zirconium | 91-1 | 0.03 | 0.01 | 0.00 | 0.02 | 93.30 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926709.0-PBCU169 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:30:17 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 51.08 | 47.52 | 51.22 | 49.94 | 4.20 | ppb |
| Antimony | 121-1 | 0.21 | 0.23 | 0.26 | 0.23 | 10.85 | ppb |
| Arsenic | 75-1 | 7.01 | 7.36 | 7.41 | 7.26 | 3.02 | ppb |
| Barium | 135-1 | 1.99 | 2.21 | 2.08 | 2.09 | 5.50 | ppb |
| Barium | 137-1 | 2.02 | 1.92 | 2.05 | 1.99 | 3.47 | ppb |
| Beryllium | 9-1 | -0.03 | -0.07 | -0.04 | -0.04 | | ppb |
| Bismuth | 209-1 | | | | 137 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Boron | 10-1 | 16.81 | 17.75 | 17.43 | 17.33 | 2.78 | ppb |
| Boron | 11-1 | 17.63 | 17.84 | 17.96 | 17.81 | 0.93 | ppb |
| Cadmium | 111-1 | -0.11 | -0.17 | -0.18 | -0.15 | | ppb |
| Cadmium | 106-1 | -1.08 | -1.80 | -1.94 | -1.60 | | ppb |
| Cadmium | 108-1 | -0.07 | 0.05 | 0.09 | 0.02 | 353.87 | ppb |
| Calcium | 43-1 | 9143.64 | 9140.57 | 8914.00 | 9066.07 | 1.45 | ppb |
| Calcium | 44-1 | 9338.58 | 9320.21 | 9125.56 | 9261.45 | 1.27 | ppb |
| Chromium | 52-2 | 1.05 | 0.94 | 1.05 | 1.01 | 6.36 | ppb |
| Cobalt | 59-2 | 0.09 | 0.11 | 0.11 | 0.10 | 8.33 | ppb |
| Copper | 63-2 | 7.84 | 7.91 | 8.18 | 7.98 | 2.20 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 126 | | % |
| Holmium | 165-2 | | | | 105 | | % |
| Indium | 115-1 | | | | 111 | | % |
| Indium | 115-2 | | | | 88 | | % |
| Iron | 56-2 | 13.10 | 11.42 | 12.20 | 12.24 | 6.87 | ppb |
| Iron | 57-2 | 12.36 | 12.26 | 14.65 | 13.09 | 10.31 | ppb |
| Krypton | 83-1 | 1860.52 | 1053.17 | 1853.31 | 1589.00 | 29.20 | ppb |
| Lead | 206-1 | -0.01 | 0.00 | -0.03 | -0.01 | | ppb |
| Lead | 207-1 | -0.04 | -0.05 | -0.04 | -0.04 | | ppb |
| Lead | 208-1 | -0.03 | -0.03 | -0.03 | -0.03 | | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 1350.32 | 1281.43 | 1324.26 | 1318.67 | 2.64 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926709.0-PBCU169 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:30:17 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1.28 | 1.23 | 1.33 | 1.28 | 3.83 | ppb |
| Molybdenum | 94-1 | 0.04 | 0.05 | 0.03 | 0.04 | 32.06 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.03 | 0.00 | 0.02 | 111.05 | ppb |
| Molybdenum | 96-1 | 0.01 | 0.01 | 0.05 | 0.03 | 83.92 | ppb |
| Molybdenum | 97-1 | 0.05 | 0.03 | 0.03 | 0.04 | 19.29 | ppb |
| Molybdenum | 98-1 | 0.04 | 0.03 | 0.01 | 0.03 | 57.26 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.55 | 2.22 | 2.04 | 2.27 | 11.32 | ppb |
| Phosphorus | 31-2 | 173.76 | 415.03 | 333.39 | 307.39 | 39.92 | ppb |
| Potassium | 39-2 | 2059.65 | 1967.32 | 2009.82 | 2012.26 | 2.30 | ppb |
| Rhodium | 103-1 | | | | 107 | | % |
| Rhodium | 103-2 | | | | 91 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 74 | | % |
| Selenium | 77-2 | 0.00 | 4.99 | 0.00 | 1.66 | 173.21 | ppb |
| Selenium | 78-2 | -0.21 | 0.56 | -0.21 | 0.04 | 994.06 | ppb |
| Selenium | 82-1 | 0.50 | -0.06 | 0.34 | 0.26 | 109.38 | ppb |
| Silicon | 28-1 | 3295.17 | 3284.10 | 3214.37 | 3264.55 | 1.34 | ppb |
| Silver | 109-1 | 0.08 | 0.09 | 0.11 | 0.09 | 15.18 | ppb |
| Silver | 107-1 | 0.09 | 0.07 | 0.09 | 0.09 | 15.52 | ppb |
| Sodium | 23-2 | 5077.16 | 5209.21 | 5191.61 | 5159.33 | 1.39 | ppb |
| Strontium | 86-1 | 34.99 | 34.57 | 33.49 | 34.35 | 2.25 | ppb |
| Strontium | 88-1 | 35.63 | 35.53 | 35.15 | 35.43 | 0.72 | ppb |
| Sulfur | 34-1 | 519.99 | 569.92 | 384.41 | 491.44 | 19.53 | ppb |
| Terbium | 159-1 | | | | 122 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | -0.03 | -0.03 | -0.03 | -0.03 | | ppb |
| Thallium | 205-1 | -0.04 | -0.04 | -0.04 | -0.04 | | ppb |
| Tin | 118-1 | 1.03 | 1.17 | 1.03 | 1.08 | 7.53 | ppb |
| Titanium | 47-1 | 0.38 | 0.45 | 0.39 | 0.41 | 9.43 | ppb |
| Uranium | 238-1 | 0.00 | 0.00 | 0.00 | 0.00 | | ppb |
| Vanadium | 51-2 | 0.20 | 0.15 | 0.12 | 0.16 | 26.95 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 82 | | % |
| Zinc | 66-2 | 27.03 | 27.86 | 29.22 | 28.04 | 3.95 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926709.0-PBCU169 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:30:17 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.02 | 0.02 | 0.02 | 0.02 | 3.58 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | 0.02 | 0.02 | 36.62 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926710.0-PBCU170 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:33:40 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 49.39 | 47.04 | 47.18 | 47.87 | 2.75 | ppb |
| Antimony | 121-1 | 0.23 | 0.24 | 0.24 | 0.24 | 3.24 | ppb |
| Arsenic | 75-1 | 7.27 | 7.65 | 7.66 | 7.53 | 2.94 | ppb |
| Barium | 135-1 | 2.00 | 2.18 | 2.03 | 2.07 | 4.70 | ppb |
| Barium | 137-1 | 2.06 | 2.11 | 2.07 | 2.08 | 1.26 | ppb |
| Beryllium | 9-1 | -0.09 | -0.09 | -0.10 | -0.09 | | ppb |
| Bismuth | 209-1 | | | | 136 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Boron | 10-1 | 13.46 | 13.48 | 12.24 | 13.06 | 5.43 | ppb |
| Boron | 11-1 | 12.71 | 12.89 | 12.49 | 12.70 | 1.57 | ppb |
| Cadmium | 111-1 | -0.09 | -0.09 | -0.16 | -0.11 | | ppb |
| Cadmium | 106-1 | -0.93 | -0.64 | -1.58 | -1.05 | | ppb |
| Cadmium | 108-1 | 0.00 | 0.12 | -0.02 | 0.03 | 233.33 | ppb |
| Calcium | 43-1 | 8596.77 | 8610.53 | 8530.44 | 8579.25 | 0.50 | ppb |
| Calcium | 44-1 | 8722.61 | 8824.68 | 8707.90 | 8751.73 | 0.73 | ppb |
| Chromium | 52-2 | 1.18 | 1.45 | 1.26 | 1.30 | 10.92 | ppb |
| Cobalt | 59-2 | 0.05 | 0.08 | 0.07 | 0.06 | 28.00 | ppb |
| Copper | 63-2 | 11.65 | 12.10 | 11.87 | 11.87 | 1.92 | 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 | | | | 124 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 110 | | % |
| Indium | 115-2 | | | | 84 | | % |
| Iron | 56-2 | 7.06 | 8.20 | 7.00 | 7.42 | 9.10 | ppb |
| Iron | 57-2 | 9.70 | 9.41 | 3.34 | 7.48 | 48.00 | ppb |
| Krypton | 83-1 | 1869.43 | 1379.99 | 1664.61 | 1638.01 | 15.01 | ppb |
| Lead | 206-1 | 0.27 | 0.31 | 0.29 | 0.29 | 6.82 | ppb |
| Lead | 207-1 | 0.25 | 0.29 | 0.25 | 0.26 | 8.46 | ppb |
| Lead | 208-1 | 0.28 | 0.31 | 0.29 | 0.29 | 5.85 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 1221.12 | 1384.54 | 1272.02 | 1292.56 | 6.47 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926710.0-PBCU170 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:33:40 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.94 | 0.88 | 0.91 | 0.91 | 3.04 | ppb |
| Molybdenum | 94-1 | 0.05 | 0.07 | 0.02 | 0.05 | 60.44 | ppb |
| Molybdenum | 95-1 | 0.03 | 0.04 | 0.01 | 0.03 | 66.41 | ppb |
| Molybdenum | 96-1 | 0.03 | 0.00 | 0.02 | 0.02 | 116.44 | ppb |
| Molybdenum | 97-1 | 0.02 | 0.01 | 0.02 | 0.02 | 38.47 | ppb |
| Molybdenum | 98-1 | 0.01 | 0.01 | 0.01 | 0.01 | 13.87 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.33 | 2.53 | 2.33 | 2.40 | 4.76 | ppb |
| Phosphorus | 31-2 | 243.39 | 314.73 | 338.94 | 299.02 | 16.61 | ppb |
| Potassium | 39-2 | 2048.97 | 2244.15 | 2071.75 | 2121.62 | 5.03 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 71 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 1.35 | 2.30 | 2.18 | 1.94 | 26.78 | ppb |
| Selenium | 82-1 | 0.96 | 0.38 | 0.19 | 0.51 | 78.94 | ppb |
| Silicon | 28-1 | 3451.16 | 3486.54 | 3447.11 | 3461.60 | 0.63 | ppb |
| Silver | 109-1 | 0.08 | 0.07 | 0.08 | 0.08 | 10.11 | ppb |
| Silver | 107-1 | 0.08 | 0.10 | 0.10 | 0.09 | 10.04 | ppb |
| Sodium | 23-2 | 5179.59 | 5637.44 | 5192.98 | 5336.67 | 4.88 | ppb |
| Strontium | 86-1 | 28.96 | 29.53 | 28.79 | 29.10 | 1.33 | ppb |
| Strontium | 88-1 | 30.13 | 29.95 | 29.65 | 29.91 | 0.80 | ppb |
| Sulfur | 34-1 | 340.80 | 656.41 | 553.80 | 517.00 | 31.14 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 100 | | % |
| Thallium | 203-1 | -0.04 | -0.04 | -0.04 | -0.04 | | ppb |
| Thallium | 205-1 | -0.04 | -0.04 | -0.04 | -0.04 | | ppb |
| Tin | 118-1 | 0.08 | 0.05 | 0.08 | 0.07 | 20.03 | ppb |
| Titanium | 47-1 | 0.43 | 0.36 | 0.37 | 0.39 | 10.13 | ppb |
| Uranium | 238-1 | -0.06 | -0.05 | -0.06 | -0.06 | | ppb |
| Vanadium | 51-2 | 0.28 | 0.25 | 0.22 | 0.25 | 10.98 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 78 | | % |
| Zinc | 66-2 | 28.46 | 29.91 | 27.01 | 28.46 | 5.11 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926710.0-PBCU170 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:33:40 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.02 | 0.03 | 0.02 | 0.02 | 22.88 | ppb |
| Zirconium | 91-1 | 0.02 | 0.03 | 0.01 | 0.02 | 64.40 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926711.0-PBCU172 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:37:03 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 41.44 | 45.59 | 51.03 | 46.02 | 10.44 | ppb |
| Antimony | 121-1 | 0.22 | 0.25 | 0.23 | 0.23 | 7.76 | ppb |
| Arsenic | 75-1 | 7.46 | 7.58 | 7.80 | 7.61 | 2.25 | ppb |
| Barium | 135-1 | 1.42 | 1.12 | 1.23 | 1.26 | 12.08 | ppb |
| Barium | 137-1 | 1.27 | 1.21 | 1.24 | 1.24 | 2.55 | ppb |
| Beryllium | 9-1 | -0.04 | -0.03 | -0.08 | -0.05 | | ppb |
| Bismuth | 209-1 | | | | 136 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Boron | 10-1 | 10.99 | 14.02 | 12.42 | 12.48 | 12.14 | ppb |
| Boron | 11-1 | 11.61 | 11.52 | 11.04 | 11.39 | 2.69 | ppb |
| Cadmium | 111-1 | -0.03 | -0.07 | -0.06 | -0.06 | | ppb |
| Cadmium | 106-1 | -1.01 | -1.36 | -1.58 | -1.32 | | ppb |
| Cadmium | 108-1 | -0.02 | 0.14 | -0.09 | 0.01 | 1356.58 | ppb |
| Calcium | 43-1 | 8311.83 | 8317.91 | 8266.80 | 8298.85 | 0.34 | ppb |
| Calcium | 44-1 | 8514.20 | 8422.90 | 8455.82 | 8464.31 | 0.55 | ppb |
| Chromium | 52-2 | 0.96 | 0.89 | 1.07 | 0.97 | 9.37 | ppb |
| Cobalt | 59-2 | 0.85 | 0.69 | 0.85 | 0.80 | 11.56 | ppb |
| Copper | 63-2 | 16.88 | 16.70 | 18.10 | 17.23 | 4.41 | 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 | | | | 124 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 109 | | % |
| Indium | 115-2 | | | | 84 | | % |
| Iron | 56-2 | 12.07 | 11.63 | 12.63 | 12.11 | 4.17 | ppb |
| Iron | 57-2 | 10.47 | 12.17 | 14.04 | 12.23 | 14.59 | ppb |
| Krypton | 83-1 | 2038.12 | 1814.43 | 1373.24 | 1741.93 | 19.42 | ppb |
| Lead | 206-1 | -0.07 | -0.08 | -0.08 | -0.08 | | ppb |
| Lead | 207-1 | -0.10 | -0.10 | -0.08 | -0.09 | | ppb |
| Lead | 208-1 | -0.08 | -0.09 | -0.09 | -0.09 | | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 1499.27 | 1459.25 | 1575.69 | 1511.40 | 3.91 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926711.0-PBCU172 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:37:03 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 2.32 | 2.50 | 2.58 | 2.47 | 5.50 | ppb |
| Molybdenum | 94-1 | 0.07 | 0.03 | 0.05 | 0.05 | 39.17 | ppb |
| Molybdenum | 95-1 | 0.04 | 0.08 | 0.09 | 0.07 | 39.64 | ppb |
| Molybdenum | 96-1 | 0.08 | 0.10 | 0.09 | 0.09 | 11.64 | ppb |
| Molybdenum | 97-1 | 0.05 | 0.08 | 0.09 | 0.08 | 25.29 | ppb |
| Molybdenum | 98-1 | 0.07 | 0.10 | 0.07 | 0.08 | 18.61 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 15.45 | 14.95 | 16.51 | 15.64 | 5.07 | ppb |
| Phosphorus | 31-2 | 361.32 | 248.77 | 153.13 | 254.41 | 40.96 | ppb |
| Potassium | 39-2 | 2003.02 | 1953.95 | 2139.53 | 2032.17 | 4.73 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 87 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 70 | | % |
| Selenium | 77-2 | 5.09 | 0.00 | 0.00 | 1.70 | 173.21 | ppb |
| Selenium | 78-2 | 2.15 | 1.38 | 0.63 | 1.39 | 54.60 | ppb |
| Selenium | 82-1 | 0.58 | 0.81 | -0.04 | 0.45 | 97.53 | ppb |
| Silicon | 28-1 | 3632.91 | 3616.08 | 3622.45 | 3623.81 | 0.23 | ppb |
| Silver | 109-1 | 0.08 | 0.09 | 0.07 | 0.08 | 6.96 | ppb |
| Silver | 107-1 | 0.07 | 0.07 | 0.09 | 0.08 | 15.21 | ppb |
| Sodium | 23-2 | 5035.44 | 5011.72 | 5537.77 | 5194.98 | 5.72 | ppb |
| Strontium | 86-1 | 33.52 | 33.77 | 32.90 | 33.40 | 1.33 | ppb |
| Strontium | 88-1 | 34.26 | 34.62 | 34.25 | 34.38 | 0.62 | ppb |
| Sulfur | 34-1 | 240.41 | 237.39 | 406.18 | 294.66 | 32.78 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | -0.04 | -0.03 | -0.03 | -0.03 | | ppb |
| Thallium | 205-1 | -0.04 | -0.04 | -0.03 | -0.04 | | ppb |
| Tin | 118-1 | 0.09 | 0.07 | 0.09 | 0.08 | 12.67 | ppb |
| Titanium | 47-1 | 0.61 | 0.50 | 0.58 | 0.56 | 9.56 | ppb |
| Uranium | 238-1 | -0.08 | -0.09 | -0.08 | -0.08 | | ppb |
| Vanadium | 51-2 | 0.09 | 0.11 | 0.16 | 0.12 | 30.32 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 78 | | % |
| Zinc | 66-2 | 65.53 | 63.16 | 71.48 | 66.72 | 6.42 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926711.0-PBCU172 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:37:03 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.02 | 0.01 | 0.01 | 0.01 | 13.49 | ppb |
| Zirconium | 91-1 | 0.02 | 0.02 | 0.01 | 0.02 | 30.46 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926712.0-PBCU173 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:40:25 | DataFile Name : | 038SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 50.97 | 50.11 | 55.05 | 52.04 | 5.07 | ppb |
| Antimony | 121-1 | 0.25 | 0.28 | 0.25 | 0.26 | 5.97 | ppb |
| Arsenic | 75-1 | 7.48 | 7.79 | 8.17 | 7.81 | 4.43 | ppb |
| Barium | 135-1 | 1.62 | 1.77 | 1.72 | 1.71 | 4.70 | ppb |
| Barium | 137-1 | 1.54 | 1.58 | 1.71 | 1.61 | 5.32 | ppb |
| Beryllium | 9-1 | -0.03 | -0.04 | -0.04 | -0.03 | | ppb |
| Bismuth | 209-1 | | | | 135 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Boron | 10-1 | 9.78 | 10.84 | 10.77 | 10.47 | 5.68 | ppb |
| Boron | 11-1 | 10.62 | 10.49 | 10.44 | 10.52 | 0.91 | ppb |
| Cadmium | 111-1 | -0.12 | -0.12 | -0.11 | -0.12 | | ppb |
| Cadmium | 106-1 | -1.90 | -1.65 | -1.44 | -1.66 | | ppb |
| Cadmium | 108-1 | -0.07 | 0.07 | 0.12 | 0.04 | 237.50 | ppb |
| Calcium | 43-1 | 8549.67 | 8434.52 | 8368.46 | 8450.89 | 1.09 | ppb |
| Calcium | 44-1 | 8659.97 | 8527.90 | 8539.89 | 8575.92 | 0.85 | ppb |
| Chromium | 52-2 | 1.15 | 1.19 | 1.01 | 1.12 | 8.51 | ppb |
| Cobalt | 59-2 | 0.07 | 0.09 | 0.08 | 0.08 | 12.00 | ppb |
| Copper | 63-2 | 9.52 | 9.56 | 9.42 | 9.50 | 0.74 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 123 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 109 | | % |
| Indium | 115-2 | | | | 84 | | % |
| Iron | 56-2 | 9.75 | 9.63 | 10.09 | 9.82 | 2.46 | ppb |
| Iron | 57-2 | 10.30 | 13.22 | 8.66 | 10.73 | 21.53 | ppb |
| Krypton | 83-1 | 1071.05 | 1612.77 | 2178.12 | 1620.64 | 34.16 | ppb |
| Lead | 206-1 | 0.03 | 0.03 | 0.03 | 0.03 | 12.38 | ppb |
| Lead | 207-1 | 0.00 | 0.01 | 0.01 | 0.01 | 81.92 | ppb |
| Lead | 208-1 | 0.02 | 0.02 | 0.02 | 0.02 | 13.26 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 1388.73 | 1378.18 | 1377.39 | 1381.43 | 0.46 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926712.0-PBCU173 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:40:25 | DataFile Name : | 038SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1.02 | 0.85 | 0.99 | 0.95 | 9.19 | ppb |
| Molybdenum | 94-1 | -0.01 | 0.01 | 0.03 | 0.01 | 147.51 | ppb |
| Molybdenum | 95-1 | -0.05 | -0.04 | -0.03 | -0.04 | | ppb |
| Molybdenum | 96-1 | -0.02 | -0.02 | -0.03 | -0.02 | | ppb |
| Molybdenum | 97-1 | -0.02 | -0.01 | -0.03 | -0.02 | | ppb |
| Molybdenum | 98-1 | -0.03 | -0.03 | -0.02 | -0.02 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 10.06 | 9.97 | 9.76 | 9.93 | 1.55 | ppb |
| Phosphorus | 31-2 | 210.76 | 363.06 | 382.51 | 318.78 | 29.50 | ppb |
| Potassium | 39-2 | 2007.53 | 1977.04 | 1904.39 | 1962.99 | 2.70 | ppb |
| Rhodium | 103-1 | | | | 104 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 71 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | -0.21 | -0.21 | 0.58 | 0.05 | 858.85 | ppb |
| Selenium | 82-1 | 0.16 | 0.32 | 0.88 | 0.45 | 83.12 | ppb |
| Silicon | 28-1 | 3642.35 | 3554.97 | 3583.29 | 3593.54 | 1.24 | ppb |
| Silver | 109-1 | 0.08 | 0.07 | 0.07 | 0.07 | 8.09 | ppb |
| Silver | 107-1 | 0.07 | 0.07 | 0.07 | 0.07 | 1.40 | ppb |
| Sodium | 23-2 | 5162.96 | 4983.17 | 4977.69 | 5041.27 | 2.09 | ppb |
| Strontium | 86-1 | 31.58 | 31.42 | 31.39 | 31.46 | 0.33 | ppb |
| Strontium | 88-1 | 32.18 | 32.36 | 32.23 | 32.26 | 0.29 | ppb |
| Sulfur | 34-1 | 186.47 | 348.42 | 397.43 | 310.77 | 35.53 | ppb |
| Terbium | 159-1 | | | | 120 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | -0.03 | -0.04 | -0.04 | -0.03 | | ppb |
| Thallium | 205-1 | -0.05 | -0.04 | -0.04 | -0.04 | | ppb |
| Tin | 118-1 | 0.61 | 0.65 | 0.62 | 0.63 | 2.66 | ppb |
| Titanium | 47-1 | 0.41 | 0.63 | 0.52 | 0.52 | 20.34 | ppb |
| Uranium | 238-1 | -0.06 | -0.05 | -0.06 | -0.06 | | ppb |
| Vanadium | 51-2 | 0.10 | 0.12 | 0.08 | 0.10 | 23.01 | ppb |
| Yttrium | 89-1 | | | | 103 | | % |
| Yttrium | 89-2 | | | | 79 | | % |
| Zinc | 66-2 | 49.60 | 50.32 | 47.63 | 49.18 | 2.84 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926712.0-PBCU173 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:40:25 | DataFile Name : | 038SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.02 | 0.01 | 0.02 | 0.02 | 26.73 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | -0.01 | 0.01 | 230.49 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5342-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926741.0-OUTSIDE-S | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:43:49 | DataFile Name : | 039SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 80.54 | 74.87 | 82.03 | 79.15 | 4.77 | ppb |
| Antimony | 121-1 | 0.24 | 0.21 | 0.22 | 0.22 | 7.93 | ppb |
| Arsenic | 75-1 | 7.32 | 7.69 | 7.61 | 7.54 | 2.57 | ppb |
| Barium | 135-1 | 110.47 | 109.09 | 109.12 | 109.56 | 0.72 | ppb |
| Barium | 137-1 | 109.65 | 109.43 | 110.25 | 109.78 | 0.39 | ppb |
| Beryllium | 9-1 | 0.20 | 0.12 | 0.19 | 0.17 | 25.77 | ppb |
| Bismuth | 209-1 | | | | 134 | | % |
| Bismuth | 209-2 | | | | 105 | | % |
| Boron | 10-1 | 16.93 | 17.80 | 19.27 | 18.00 | 6.57 | ppb |
| Boron | 11-1 | 18.76 | 19.13 | 19.56 | 19.15 | 2.09 | ppb |
| Cadmium | 111-1 | -0.05 | -0.11 | -0.09 | -0.08 | | ppb |
| Cadmium | 106-1 | -1.39 | -1.88 | -1.76 | -1.67 | | ppb |
| Cadmium | 108-1 | 0.14 | 0.02 | 0.05 | 0.07 | 86.06 | ppb |
| Calcium | 43-1 | 15704.23 | 15673.27 | 15613.93 | 15663.81 | 0.29 | ppb |
| Calcium | 44-1 | 15940.63 | 15631.66 | 15799.47 | 15790.59 | 0.98 | ppb |
| Chromium | 52-2 | 0.38 | 0.46 | 0.56 | 0.46 | 20.03 | ppb |
| Cobalt | 59-2 | 7.12 | 6.89 | 7.11 | 7.04 | 1.84 | ppb |
| Copper | 63-2 | 320.82 | 315.51 | 322.65 | 319.66 | 1.16 | 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 | | | | 123 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 108 | | % |
| Indium | 115-2 | | | | 85 | | % |
| Iron | 56-2 | 9.51 | 9.77 | 9.92 | 9.73 | 2.13 | ppb |
| Iron | 57-2 | 8.70 | 8.21 | 10.72 | 9.21 | 14.46 | ppb |
| Krypton | 83-1 | 1939.57 | 1356.78 | 1587.23 | 1627.86 | 18.03 | ppb |
| Lead | 206-1 | 0.63 | 0.61 | 0.64 | 0.63 | 2.25 | ppb |
| Lead | 207-1 | 0.54 | 0.53 | 0.60 | 0.56 | 7.22 | ppb |
| Lead | 208-1 | 0.57 | 0.59 | 0.60 | 0.59 | 2.20 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 6984.62 | 6902.55 | 7151.63 | 7012.93 | 1.81 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5342-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926741.0-OUTSIDE-S | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:43:49 | DataFile Name : | 039SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 72.02 | 68.64 | 72.83 | 71.16 | 3.12 | ppb |
| Molybdenum | 94-1 | 0.01 | 0.02 | 0.00 | 0.01 | 81.85 | ppb |
| Molybdenum | 95-1 | -0.06 | -0.05 | -0.04 | -0.05 | | ppb |
| Molybdenum | 96-1 | -0.03 | -0.03 | -0.05 | -0.03 | | ppb |
| Molybdenum | 97-1 | -0.03 | -0.03 | -0.04 | -0.03 | | ppb |
| Molybdenum | 98-1 | -0.03 | -0.05 | -0.04 | -0.04 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 5.61 | 5.29 | 5.94 | 5.61 | 5.78 | ppb |
| Phosphorus | 31-2 | -15.90 | -15.90 | -15.90 | -15.90 | | ppb |
| Potassium | 39-2 | 2092.70 | 2056.46 | 2053.61 | 2067.59 | 1.05 | ppb |
| Rhodium | 103-1 | | | | 102 | | % |
| Rhodium | 103-2 | | | | 89 | | % |
| Scandium | 45-1 | | | | 91 | | % |
| Scandium | 45-2 | | | | 71 | | % |
| Selenium | 77-2 | 4.99 | 5.12 | 0.00 | 3.37 | 86.62 | ppb |
| Selenium | 78-2 | 1.33 | -0.21 | -0.21 | 0.30 | 294.76 | ppb |
| Selenium | 82-1 | 0.52 | 0.35 | 0.65 | 0.50 | 29.84 | ppb |
| Silicon | 28-1 | 2514.36 | 2502.09 | 2520.60 | 2512.35 | 0.37 | ppb |
| Silver | 109-1 | 0.08 | 0.05 | 0.07 | 0.07 | 16.83 | ppb |
| Silver | 107-1 | 0.06 | 0.07 | 0.06 | 0.06 | 11.39 | ppb |
| Sodium | 23-2 | 35293.54 | 34795.60 | 35507.98 | 35199.04 | 1.04 | ppb |
| Strontium | 86-1 | 43.89 | 43.82 | 44.13 | 43.95 | 0.37 | ppb |
| Strontium | 88-1 | 44.68 | 44.98 | 44.82 | 44.83 | 0.33 | ppb |
| Sulfur | 34-1 | 4420.85 | 4260.23 | 4217.67 | 4299.58 | 2.49 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | -0.03 | -0.03 | -0.02 | -0.03 | | ppb |
| Thallium | 205-1 | -0.03 | -0.03 | -0.03 | -0.03 | | ppb |
| Tin | 118-1 | 0.16 | 0.19 | 0.19 | 0.18 | 8.17 | ppb |
| Titanium | 47-1 | 0.04 | 0.10 | 0.08 | 0.07 | 42.06 | ppb |
| Uranium | 238-1 | -0.11 | -0.11 | -0.11 | -0.11 | | ppb |
| Vanadium | 51-2 | 0.07 | 0.03 | 0.08 | 0.06 | 42.18 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 81 | | % |
| Zinc | 66-2 | 75.52 | 74.93 | 74.17 | 74.87 | 0.90 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5342-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926741.0-OUTSIDE-S | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:43:49 | DataFile Name : | 039SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.03 | 0.04 | 0.03 | 0.03 | 18.60 | ppb |
| Zirconium | 91-1 | 0.03 | 0.04 | 0.04 | 0.04 | 11.15 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5348-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380924069.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:47:11 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 21.75 | 24.81 | 16.95 | 21.17 | 18.73 | ppb |
| Antimony | 121-1 | 0.20 | 0.24 | 0.25 | 0.23 | 10.43 | ppb |
| Arsenic | 75-1 | 8.88 | 9.53 | 9.94 | 9.45 | 5.67 | ppb |
| Barium | 135-1 | 1.00 | 1.07 | 1.10 | 1.06 | 5.11 | ppb |
| Barium | 137-1 | 0.93 | 1.07 | 1.09 | 1.03 | 8.41 | ppb |
| Beryllium | 9-1 | -0.17 | -0.17 | -0.16 | -0.17 | | ppb |
| Bismuth | 209-1 | | | | 131 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Boron | 10-1 | 62.61 | 59.77 | 61.95 | 61.44 | 2.42 | ppb |
| Boron | 11-1 | 60.57 | 62.74 | 62.99 | 62.10 | 2.15 | ppb |
| Cadmium | 111-1 | -0.17 | -0.17 | -0.17 | -0.17 | | ppb |
| Cadmium | 106-1 | -1.49 | -1.56 | -1.52 | -1.52 | | ppb |
| Cadmium | 108-1 | 0.00 | -0.07 | -0.04 | -0.04 | | ppb |
| Calcium | 43-1 | 555.77 | 572.50 | 560.87 | 563.05 | 1.52 | ppb |
| Calcium | 44-1 | 573.21 | 563.75 | 561.19 | 566.05 | 1.12 | ppb |
| Chromium | 52-2 | 0.46 | 0.59 | 0.45 | 0.50 | 15.96 | ppb |
| Cobalt | 59-2 | -0.09 | -0.10 | -0.07 | -0.09 | | ppb |
| Copper | 63-2 | 59.66 | 60.47 | 60.59 | 60.24 | 0.84 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 122 | | % |
| Holmium | 165-2 | | | | 102 | | % |
| Indium | 115-1 | | | | 107 | | % |
| Indium | 115-2 | | | | 84 | | % |
| Iron | 56-2 | 63.59 | 63.51 | 64.73 | 63.94 | 1.06 | ppb |
| Iron | 57-2 | 66.13 | 59.14 | 68.41 | 64.56 | 7.48 | ppb |
| Krypton | 83-1 | 2002.26 | 1516.75 | 1632.29 | 1717.10 | 14.77 | ppb |
| Lead | 206-1 | 0.41 | 0.40 | 0.37 | 0.39 | 5.09 | ppb |
| Lead | 207-1 | 0.39 | 0.36 | 0.36 | 0.37 | 4.44 | ppb |
| Lead | 208-1 | 0.41 | 0.38 | 0.38 | 0.39 | 3.88 | ppb |
| Lithium | 6-1 | | | | 107 | | % |
| Magnesium | 24-2 | 140.91 | 142.75 | 147.15 | 143.60 | 2.23 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5348-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380924069.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:47:11 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1.09 | 1.08 | 0.98 | 1.05 | 5.73 | ppb |
| Molybdenum | 94-1 | 0.38 | 0.43 | 0.39 | 0.40 | 5.70 | ppb |
| Molybdenum | 95-1 | 0.02 | 0.02 | 0.00 | 0.01 | 93.33 | ppb |
| Molybdenum | 96-1 | 0.06 | 0.06 | 0.06 | 0.06 | 2.55 | ppb |
| Molybdenum | 97-1 | 0.02 | 0.06 | 0.06 | 0.05 | 42.28 | ppb |
| Molybdenum | 98-1 | 0.03 | 0.07 | 0.03 | 0.04 | 50.38 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.18 | -0.05 | 0.00 | -0.07 | | ppb |
| Phosphorus | 31-2 | 622.92 | 431.72 | 481.56 | 512.07 | 19.37 | ppb |
| Potassium | 39-2 | 418.31 | 461.04 | 449.12 | 442.82 | 4.98 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 87 | | % |
| Scandium | 45-1 | | | | 90 | | % |
| Scandium | 45-2 | | | | 71 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | -0.21 | -0.21 | 0.59 | 0.05 | 851.18 | ppb |
| Selenium | 82-1 | 0.85 | 0.06 | 0.34 | 0.42 | 96.42 | ppb |
| Silicon | 28-1 | 8717.37 | 8512.16 | 8507.10 | 8578.88 | 1.40 | ppb |
| Silver | 109-1 | 0.05 | 0.06 | 0.07 | 0.06 | 11.98 | ppb |
| Silver | 107-1 | 0.06 | 0.04 | 0.04 | 0.05 | 17.65 | ppb |
| Sodium | 23-2 | 175130.12 | 178294.55 | 179146.56 | 177523.74 | 1.19 | ppb |
| Strontium | 86-1 | 2.15 | 2.26 | 2.16 | 2.19 | 2.91 | ppb |
| Strontium | 88-1 | 2.27 | 2.19 | 2.24 | 2.23 | 1.70 | ppb |
| Sulfur | 34-1 | 8655.51 | 8469.07 | 8421.06 | 8515.21 | 1.45 | ppb |
| Terbium | 159-1 | | | | 120 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | -0.05 | -0.05 | -0.05 | -0.05 | | ppb |
| Thallium | 205-1 | -0.05 | -0.05 | -0.05 | -0.05 | | ppb |
| Tin | 118-1 | 0.07 | 0.10 | 0.09 | 0.08 | 17.13 | ppb |
| Titanium | 47-1 | 0.51 | 0.57 | 0.35 | 0.48 | 24.10 | ppb |
| Uranium | 238-1 | 1.27 | 1.25 | 1.25 | 1.26 | 0.90 | ppb |
| Vanadium | 51-2 | 4.53 | 5.12 | 4.65 | 4.76 | 6.52 | ppb |
| Yttrium | 89-1 | | | | 102 | | % |
| Yttrium | 89-2 | | | | 79 | | % |
| Zinc | 66-2 | 15.52 | 15.20 | 14.78 | 15.17 | 2.45 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5348-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380924069.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:47:11 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.26 | 0.27 | 0.28 | 0.27 | 3.11 | ppb |
| Zirconium | 91-1 | 0.25 | 0.25 | 0.29 | 0.26 | 8.43 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5349-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380918149.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:50:34 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 14.57 | 15.20 | 14.37 | 14.71 | 2.96 | ppb |
| Antimony | 121-1 | 0.23 | 0.21 | 0.22 | 0.22 | 5.24 | ppb |
| Arsenic | 75-1 | 9.89 | 9.93 | 9.84 | 9.89 | 0.44 | ppb |
| Barium | 135-1 | 901.83 | 910.21 | 901.28 | 904.44 | 0.55 | ppb |
| Barium | 137-1 | 905.91 | 901.94 | 908.01 | 905.29 | 0.34 | ppb |
| Beryllium | 9-1 | -0.16 | -0.15 | -0.17 | -0.16 | | ppb |
| Bismuth | 209-1 | | | | 133 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Boron | 10-1 | 22.90 | 22.51 | 24.33 | 23.25 | 4.12 | ppb |
| Boron | 11-1 | 21.95 | 22.91 | 23.92 | 22.92 | 4.31 | ppb |
| Cadmium | 111-1 | -0.22 | -0.14 | -0.16 | -0.17 | | ppb |
| Cadmium | 106-1 | -2.26 | -1.07 | -1.49 | -1.61 | | ppb |
| Cadmium | 108-1 | -0.07 | -0.07 | -0.02 | -0.05 | | ppb |
| Calcium | 43-1 | 125288.44 | 123925.08 | 123539.60 | 124251.04 | 0.74 | ppb |
| Calcium | 44-1 | 123217.49 | 123140.72 | 122933.68 | 123097.29 | 0.12 | ppb |
| Chromium | 52-2 | 1.70 | 1.55 | 1.63 | 1.63 | 4.66 | ppb |
| Cobalt | 59-2 | -0.09 | -0.09 | -0.08 | -0.09 | | ppb |
| Copper | 63-2 | 4.23 | 4.48 | 4.53 | 4.42 | 3.68 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 126 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 109 | | % |
| Indium | 115-2 | | | | 86 | | % |
| Iron | 56-2 | 14.94 | 14.65 | 14.87 | 14.82 | 1.04 | ppb |
| Iron | 57-2 | 15.91 | 20.04 | 15.80 | 17.25 | 13.99 | ppb |
| Krypton | 83-1 | 1840.81 | 1531.01 | 1125.17 | 1499.00 | 23.94 | ppb |
| Lead | 206-1 | 0.91 | 0.96 | 0.96 | 0.94 | 2.58 | ppb |
| Lead | 207-1 | 0.86 | 0.85 | 0.89 | 0.87 | 2.33 | ppb |
| Lead | 208-1 | 0.92 | 0.93 | 0.91 | 0.92 | 0.73 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 40816.20 | 41228.82 | 42014.61 | 41353.21 | 1.47 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5349-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380918149.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:50:34 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1.04 | 1.27 | 1.14 | 1.15 | 10.04 | ppb |
| Molybdenum | 94-1 | 0.15 | 0.17 | 0.17 | 0.16 | 9.34 | ppb |
| Molybdenum | 95-1 | 0.13 | 0.10 | 0.15 | 0.13 | 19.92 | ppb |
| Molybdenum | 96-1 | 0.12 | 0.12 | 0.13 | 0.12 | 6.87 | ppb |
| Molybdenum | 97-1 | 0.17 | 0.10 | 0.17 | 0.15 | 27.12 | ppb |
| Molybdenum | 98-1 | 0.12 | 0.16 | 0.14 | 0.14 | 12.20 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.10 | 2.45 | 2.24 | 2.26 | 7.66 | ppb |
| Phosphorus | 31-2 | -15.90 | 27.17 | 72.75 | 28.00 | 158.31 | ppb |
| Potassium | 39-2 | 1336.32 | 1317.75 | 1380.94 | 1345.00 | 2.41 | ppb |
| Rhodium | 103-1 | | | | 103 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 73 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 0.56 | -0.21 | -0.21 | 0.05 | 967.04 | ppb |
| Selenium | 82-1 | 0.72 | 0.78 | 0.55 | 0.68 | 17.71 | ppb |
| Silicon | 28-1 | 11477.32 | 11467.83 | 11476.79 | 11473.98 | 0.05 | ppb |
| Silver | 109-1 | 0.06 | 0.06 | 0.06 | 0.06 | 5.97 | ppb |
| Silver | 107-1 | 0.05 | 0.07 | 0.05 | 0.06 | 19.03 | ppb |
| Sodium | 23-2 | 21935.12 | 21786.33 | 22433.53 | 22051.66 | 1.54 | ppb |
| Strontium | 86-1 | 689.95 | 696.83 | 694.59 | 693.79 | 0.51 | ppb |
| Strontium | 88-1 | 692.66 | 698.01 | 696.95 | 695.87 | 0.41 | ppb |
| Sulfur | 34-1 | 1377.28 | 1478.17 | 1661.45 | 1505.63 | 9.57 | ppb |
| Terbium | 159-1 | | | | 123 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | -0.05 | -0.05 | -0.05 | -0.05 | | ppb |
| Thallium | 205-1 | -0.05 | -0.05 | -0.05 | -0.05 | | ppb |
| Tin | 118-1 | 0.06 | 0.10 | 0.10 | 0.09 | 27.47 | ppb |
| Titanium | 47-1 | 0.35 | 0.36 | 0.29 | 0.33 | 11.60 | ppb |
| Uranium | 238-1 | 0.55 | 0.55 | 0.55 | 0.55 | 0.29 | ppb |
| Vanadium | 51-2 | 1.47 | 1.49 | 1.41 | 1.46 | 2.84 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 81 | | % |
| Zinc | 66-2 | 17.82 | 18.06 | 18.81 | 18.23 | 2.81 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5349-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380918149.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:50:34 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.03 | 0.04 | 0.02 | 0.03 | 36.55 | ppb |
| Zirconium | 91-1 | 0.01 | 0.02 | 0.04 | 0.02 | 53.48 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5350-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928102.0-GREANEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:53:56 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 15.50 | 18.54 | 14.08 | 16.04 | 14.18 | ppb |
| Antimony | 121-1 | 0.20 | 0.22 | 0.22 | 0.22 | 5.22 | ppb |
| Arsenic | 75-1 | 7.26 | 7.17 | 7.95 | 7.46 | 5.76 | ppb |
| Barium | 135-1 | 148.98 | 148.52 | 148.21 | 148.57 | 0.26 | ppb |
| Barium | 137-1 | 149.81 | 149.51 | 149.37 | 149.56 | 0.15 | ppb |
| Beryllium | 9-1 | -0.18 | -0.18 | -0.17 | -0.18 | | ppb |
| Bismuth | 209-1 | | | | 135 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Boron | 10-1 | 11.45 | 12.67 | 10.64 | 11.59 | 8.83 | ppb |
| Boron | 11-1 | 12.19 | 11.55 | 11.93 | 11.89 | 2.70 | ppb |
| Cadmium | 111-1 | -0.12 | -0.20 | -0.21 | -0.18 | | ppb |
| Cadmium | 106-1 | -1.10 | -2.02 | -2.24 | -1.79 | | ppb |
| Cadmium | 108-1 | 0.11 | 0.20 | 0.09 | 0.13 | 45.04 | ppb |
| Calcium | 43-1 | 62971.84 | 63502.77 | 61305.50 | 62593.37 | 1.83 | ppb |
| Calcium | 44-1 | 61440.51 | 61184.56 | 60935.14 | 61186.74 | 0.41 | ppb |
| Chromium | 52-2 | 0.48 | 0.56 | 0.55 | 0.53 | 8.00 | ppb |
| Cobalt | 59-2 | -0.09 | -0.10 | -0.09 | -0.09 | | ppb |
| Copper | 63-2 | 122.40 | 122.42 | 117.87 | 120.89 | 2.17 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 128 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 111 | | % |
| Indium | 115-2 | | | | 87 | | % |
| Iron | 56-2 | 4.01 | 4.05 | 3.36 | 3.81 | 10.07 | ppb |
| Iron | 57-2 | 1.07 | 4.14 | 6.91 | 4.04 | 72.32 | ppb |
| Krypton | 83-1 | 1862.02 | 982.58 | 1558.57 | 1467.72 | 30.43 | ppb |
| Lead | 206-1 | 0.62 | 0.59 | 0.59 | 0.60 | 2.42 | ppb |
| Lead | 207-1 | 0.56 | 0.53 | 0.57 | 0.56 | 4.10 | ppb |
| Lead | 208-1 | 0.56 | 0.57 | 0.57 | 0.57 | 1.56 | ppb |
| Lithium | 6-1 | | | | 113 | | % |
| Magnesium | 24-2 | 38625.41 | 38003.59 | 36924.21 | 37851.07 | 2.27 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5350-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928102.0-GREANEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:53:56 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.44 | 0.38 | 0.45 | 0.42 | 9.11 | ppb |
| Molybdenum | 94-1 | 0.59 | 0.62 | 0.63 | 0.61 | 4.18 | ppb |
| Molybdenum | 95-1 | 0.74 | 0.76 | 0.79 | 0.76 | 3.38 | ppb |
| Molybdenum | 96-1 | 0.69 | 0.78 | 0.80 | 0.76 | 7.56 | ppb |
| Molybdenum | 97-1 | 0.77 | 0.75 | 0.77 | 0.76 | 1.40 | ppb |
| Molybdenum | 98-1 | 0.79 | 0.71 | 0.72 | 0.74 | 5.44 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 2.40 | 2.25 | 2.27 | 2.31 | 3.53 | ppb |
| Phosphorus | 31-2 | -15.90 | 27.87 | -15.90 | -1.31 | | ppb |
| Potassium | 39-2 | 1265.58 | 1236.35 | 1199.46 | 1233.79 | 2.69 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 73 | | % |
| Selenium | 77-2 | 4.99 | 0.00 | 0.00 | 1.66 | 173.21 | ppb |
| Selenium | 78-2 | 0.56 | -0.21 | 0.55 | 0.30 | 147.94 | ppb |
| Selenium | 82-1 | 0.67 | 0.38 | 0.74 | 0.60 | 31.87 | ppb |
| Silicon | 28-1 | 7052.10 | 7008.57 | 6969.86 | 7010.17 | 0.59 | ppb |
| Silver | 109-1 | 0.06 | 0.07 | 0.08 | 0.07 | 13.34 | ppb |
| Silver | 107-1 | 0.06 | 0.07 | 0.08 | 0.07 | 10.26 | ppb |
| Sodium | 23-2 | 23812.76 | 23255.41 | 22336.25 | 23134.80 | 3.22 | ppb |
| Strontium | 86-1 | 3086.03 | 3060.36 | 3055.46 | 3067.28 | 0.54 | ppb |
| Strontium | 88-1 | 3131.49 | 3122.36 | 3107.98 | 3120.61 | 0.38 | ppb |
| Sulfur | 34-1 | 11827.77 | 11811.66 | 11851.12 | 11830.19 | 0.17 | ppb |
| Terbium | 159-1 | | | | 125 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | -0.05 | -0.04 | -0.05 | -0.05 | | ppb |
| Thallium | 205-1 | -0.05 | -0.05 | -0.05 | -0.05 | | ppb |
| Tin | 118-1 | 0.03 | 0.01 | 0.05 | 0.03 | 57.75 | ppb |
| Titanium | 47-1 | 0.28 | 0.32 | 0.24 | 0.28 | 14.82 | ppb |
| Uranium | 238-1 | 1.18 | 1.21 | 1.17 | 1.18 | 1.83 | ppb |
| Vanadium | 51-2 | 0.43 | 0.29 | 0.43 | 0.38 | 20.51 | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 81 | | % |
| Zinc | 66-2 | 696.38 | 695.40 | 660.42 | 684.07 | 2.99 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5350-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928102.0-GREANEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:53:56 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.04 | 0.02 | 0.03 | 0.03 | 35.74 | ppb |
| Zirconium | 91-1 | 0.05 | 0.01 | 0.04 | 0.03 | 64.31 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:57:17 | DataFile Name : | 043CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 51461.67 | 52342.27 | 51839.17 | 51881.04 | 0.85 | ppb |
| Antimony | 121-1 | 482.54 | 477.97 | 480.77 | 480.43 | 0.48 | ppb |
| Arsenic | 75-1 | 494.55 | 496.11 | 493.18 | 494.61 | 0.30 | ppb |
| Barium | 135-1 | 2512.81 | 2499.07 | 2499.19 | 2503.69 | 0.32 | ppb |
| Barium | 137-1 | 2500.85 | 2503.76 | 2493.24 | 2499.28 | 0.22 | ppb |
| Beryllium | 9-1 | 497.81 | 495.53 | 494.78 | 496.04 | 0.32 | ppb |
| Bismuth | 209-1 | | | | 118 | | % |
| Bismuth | 209-2 | | | | 96 | | % |
| Boron | 10-1 | 490.38 | 508.42 | 513.64 | 504.15 | 2.42 | ppb |
| Boron | 11-1 | 489.37 | 499.80 | 514.00 | 501.06 | 2.47 | ppb |
| Cadmium | 111-1 | 472.19 | 470.22 | 469.75 | 470.72 | 0.28 | ppb |
| Cadmium | 106-1 | 474.96 | 485.50 | 484.03 | 481.50 | 1.19 | ppb |
| Cadmium | 108-1 | 470.88 | 478.28 | 480.06 | 476.41 | 1.02 | ppb |
| Calcium | 43-1 | 239483.72 | 242428.46 | 242484.83 | 241465.67 | 0.71 | ppb |
| Calcium | 44-1 | 240678.70 | 245528.65 | 241022.53 | 242409.96 | 1.12 | ppb |
| Chromium | 52-2 | 510.55 | 523.36 | 516.82 | 516.91 | 1.24 | ppb |
| Cobalt | 59-2 | 508.40 | 517.18 | 514.80 | 513.46 | 0.88 | ppb |
| Copper | 63-2 | 990.62 | 1005.57 | 1000.67 | 998.96 | 0.76 | 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 | | | | 116 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 98 | | % |
| Indium | 115-2 | | | | 80 | | % |
| Iron | 56-2 | 127145.41 | 130519.35 | 129957.69 | 129207.48 | 1.40 | ppb |
| Iron | 57-2 | 129898.50 | 130527.80 | 129334.99 | 129920.43 | 0.46 | ppb |
| Krypton | 83-1 | 804.53 | 1366.99 | 1272.42 | 1147.98 | 26.23 | ppb |
| Lead | 206-1 | 514.06 | 513.61 | 511.25 | 512.97 | 0.29 | ppb |
| Lead | 207-1 | 519.21 | 520.05 | 513.87 | 517.71 | 0.65 | ppb |
| Lead | 208-1 | 514.13 | 515.74 | 511.78 | 513.88 | 0.39 | ppb |
| Lithium | 6-1 | | | | 94 | | % |
| Magnesium | 24-2 | 250908.92 | 253597.45 | 253000.37 | 252502.24 | 0.56 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:57:17 | DataFile Name : | 043CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1000.92 | 1027.01 | 1013.98 | 1013.97 | 1.29 | ppb |
| Molybdenum | 94-1 | 2498.97 | 2559.95 | 2576.93 | 2545.28 | 1.61 | ppb |
| Molybdenum | 95-1 | 2524.07 | 2553.10 | 2579.59 | 2552.26 | 1.09 | ppb |
| Molybdenum | 96-1 | 2513.27 | 2556.49 | 2578.02 | 2549.26 | 1.29 | ppb |
| Molybdenum | 97-1 | 2528.37 | 2586.42 | 2576.78 | 2563.86 | 1.21 | ppb |
| Molybdenum | 98-1 | 2515.92 | 2585.50 | 2565.70 | 2555.71 | 1.40 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 511.73 | 518.75 | 515.20 | 515.23 | 0.68 | ppb |
| Phosphorus | 31-2 | 9531.79 | 10276.00 | 9917.42 | 9908.40 | 3.76 | ppb |
| Potassium | 39-2 | 123876.78 | 125990.87 | 125830.62 | 125232.76 | 0.94 | ppb |
| Rhodium | 103-1 | | | | 92 | | % |
| Rhodium | 103-2 | | | | 82 | | % |
| Scandium | 45-1 | | | | 87 | | % |
| Scandium | 45-2 | | | | 73 | | % |
| Selenium | 77-2 | 637.93 | 489.26 | 525.80 | 551.00 | 14.06 | ppb |
| Selenium | 78-2 | 510.62 | 482.42 | 523.93 | 505.66 | 4.19 | ppb |
| Selenium | 82-1 | 480.72 | 494.33 | 496.00 | 490.35 | 1.71 | ppb |
| Silicon | 28-1 | 508.81 | 522.65 | 512.53 | 514.66 | 1.39 | ppb |
| Silver | 109-1 | 485.04 | 483.30 | 483.96 | 484.10 | 0.18 | ppb |
| Silver | 107-1 | 485.16 | 483.98 | 475.41 | 481.51 | 1.11 | ppb |
| Sodium | 23-2 | 251498.03 | 254003.23 | 255706.61 | 253735.95 | 0.83 | ppb |
| Strontium | 86-1 | 495.07 | 502.23 | 503.68 | 500.33 | 0.92 | ppb |
| Strontium | 88-1 | 505.33 | 510.19 | 512.59 | 509.37 | 0.73 | ppb |
| Sulfur | 34-1 | 10273.60 | 10578.67 | 10183.15 | 10345.14 | 2.00 | ppb |
| Terbium | 159-1 | | | | 113 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 511.99 | 514.57 | 518.44 | 515.00 | 0.63 | ppb |
| Thallium | 205-1 | 511.54 | 510.82 | 514.31 | 512.22 | 0.36 | ppb |
| Tin | 118-1 | 500.88 | 493.74 | 495.92 | 496.85 | 0.74 | ppb |
| Titanium | 47-1 | 2546.73 | 2573.10 | 2551.64 | 2557.16 | 0.55 | ppb |
| Uranium | 238-1 | 528.50 | 530.32 | 525.31 | 528.05 | 0.48 | ppb |
| Vanadium | 51-2 | 508.83 | 519.52 | 512.14 | 513.49 | 1.07 | ppb |
| Yttrium | 89-1 | | | | 96 | | % |
| Yttrium | 89-2 | | | | 79 | | % |
| Zinc | 66-2 | 978.87 | 1000.41 | 991.04 | 990.11 | 1.09 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:57:17 | DataFile Name : | 043CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 504.19 | 510.47 | 512.44 | 509.04 | 0.85 | ppb |
| Zirconium | 91-1 | 507.31 | 522.86 | 516.20 | 515.46 | 1.51 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:00:30 | DataFile Name : | 044CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1.06 | 0.21 | 1.03 | 0.77 | 62.81 | ppb |
| Antimony | 121-1 | 1.03 | 1.11 | 0.91 | 1.02 | 10.04 | ppb |
| Arsenic | 75-1 | 0.27 | 0.32 | 0.31 | 0.30 | 9.54 | ppb |
| Barium | 135-1 | -0.06 | -0.03 | -0.07 | -0.05 | | ppb |
| Barium | 137-1 | -0.08 | -0.04 | -0.09 | -0.07 | | ppb |
| Beryllium | 9-1 | 0.11 | 0.11 | 0.10 | 0.11 | 3.04 | ppb |
| Bismuth | 209-1 | | | | 123 | | % |
| Bismuth | 209-2 | | | | 102 | | % |
| Boron | 10-1 | 16.23 | 16.05 | 15.77 | 16.02 | 1.46 | ppb |
| Boron | 11-1 | 16.88 | 15.75 | 15.54 | 16.06 | 4.50 | ppb |
| Cadmium | 111-1 | -0.09 | -0.10 | -0.12 | -0.11 | | ppb |
| Cadmium | 106-1 | -1.13 | -0.83 | -1.47 | -1.14 | | ppb |
| Cadmium | 108-1 | 0.06 | 0.04 | -0.04 | 0.02 | 297.05 | ppb |
| Calcium | 43-1 | 1.56 | -1.13 | 7.40 | 2.61 | 166.97 | ppb |
| Calcium | 44-1 | -0.17 | 2.30 | 0.81 | 0.98 | 127.18 | ppb |
| Chromium | 52-2 | 0.03 | -0.04 | 0.02 | 0.00 | 987.47 | ppb |
| Cobalt | 59-2 | -0.11 | -0.12 | -0.11 | -0.11 | | ppb |
| Copper | 63-2 | 0.09 | 0.12 | 0.09 | 0.10 | 15.55 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 114 | | % |
| Holmium | 165-2 | | | | 100 | | % |
| Indium | 115-1 | | | | 102 | | % |
| Indium | 115-2 | | | | 85 | | % |
| Iron | 56-2 | 4.31 | 4.72 | 4.09 | 4.38 | 7.27 | ppb |
| Iron | 57-2 | 1.10 | 4.33 | 4.13 | 3.19 | 56.80 | ppb |
| Krypton | 83-1 | 829.39 | 883.84 | 926.95 | 880.06 | 5.56 | ppb |
| Lead | 206-1 | -0.10 | -0.10 | -0.10 | -0.10 | | ppb |
| Lead | 207-1 | -0.10 | -0.10 | -0.09 | -0.10 | | ppb |
| Lead | 208-1 | -0.10 | -0.10 | -0.10 | -0.10 | | ppb |
| Lithium | 6-1 | | | | 98 | | % |
| Magnesium | 24-2 | 4.90 | 4.94 | -3.34 | 2.17 | 220.02 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:00:30 | DataFile Name : | 044CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | -0.17 | -0.08 | -0.20 | -0.15 | | ppb |
| Molybdenum | 94-1 | 0.89 | 0.84 | 0.71 | 0.81 | 11.49 | ppb |
| Molybdenum | 95-1 | 0.84 | 0.78 | 0.67 | 0.76 | 11.53 | ppb |
| Molybdenum | 96-1 | 0.78 | 0.81 | 0.63 | 0.74 | 12.79 | ppb |
| Molybdenum | 97-1 | 0.87 | 0.83 | 0.72 | 0.81 | 9.95 | ppb |
| Molybdenum | 98-1 | 0.88 | 0.75 | 0.68 | 0.77 | 13.50 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.36 | -0.30 | -0.37 | -0.34 | | ppb |
| Phosphorus | 31-2 | -15.90 | -15.90 | -15.90 | -15.90 | | ppb |
| Potassium | 39-2 | 23.32 | 0.53 | 10.00 | 11.28 | 101.48 | ppb |
| Rhodium | 103-1 | | | | 98 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 86 | | % |
| Scandium | 45-2 | | | | 72 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 20.55 | 6.85 | 173.21 | ppb |
| Selenium | 78-2 | -0.21 | -0.21 | 0.58 | 0.05 | 875.91 | ppb |
| Selenium | 82-1 | 0.07 | 0.21 | 0.15 | 0.14 | 49.36 | ppb |
| Silicon | 28-1 | -13.25 | -10.70 | -12.45 | -12.13 | | ppb |
| Silver | 109-1 | 0.06 | 0.07 | 0.06 | 0.06 | 12.10 | ppb |
| Silver | 107-1 | 0.06 | 0.06 | 0.06 | 0.06 | 1.15 | ppb |
| Sodium | 23-2 | 44.76 | 41.23 | 37.88 | 41.29 | 8.34 | ppb |
| Strontium | 86-1 | 0.06 | 0.05 | -0.04 | 0.02 | 238.13 | ppb |
| Strontium | 88-1 | 0.04 | 0.03 | 0.03 | 0.03 | 15.89 | ppb |
| Sulfur | 34-1 | -388.56 | 183.12 | -142.58 | -116.00 | | ppb |
| Terbium | 159-1 | | | | 112 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | 0.06 | 0.04 | 0.03 | 0.04 | 40.75 | ppb |
| Thallium | 205-1 | 0.08 | 0.05 | 0.04 | 0.06 | 33.66 | ppb |
| Tin | 118-1 | 0.31 | 0.25 | 0.22 | 0.26 | 17.36 | ppb |
| Titanium | 47-1 | 0.22 | 0.04 | 0.10 | 0.12 | 74.27 | ppb |
| Uranium | 238-1 | -0.11 | -0.11 | -0.11 | -0.11 | | ppb |
| Vanadium | 51-2 | -0.04 | -0.06 | -0.03 | -0.04 | | ppb |
| Yttrium | 89-1 | | | | 96 | | % |
| Yttrium | 89-2 | | | | 80 | | % |
| Zinc | 66-2 | -0.03 | -0.12 | -0.26 | -0.14 | | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:00:30 | DataFile Name : | 044CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.14 | 0.16 | 0.13 | 0.14 | 9.90 | ppb |
| Zirconium | 91-1 | 0.12 | 0.17 | 0.15 | 0.15 | 15.22 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5356-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380917120-BURK | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:03:53 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18.26 | 14.43 | 18.48 | 17.06 | 13.35 | ppb |
| Antimony | 121-1 | 0.44 | 0.46 | 0.43 | 0.45 | 3.78 | ppb |
| Arsenic | 75-1 | 6.15 | 6.39 | 6.75 | 6.43 | 4.73 | ppb |
| Barium | 135-1 | 228.19 | 217.99 | 218.06 | 221.41 | 2.65 | ppb |
| Barium | 137-1 | 229.65 | 218.30 | 219.80 | 222.58 | 2.77 | ppb |
| Beryllium | 9-1 | -0.09 | -0.06 | -0.06 | -0.07 | | ppb |
| Bismuth | 209-1 | | | | 136 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Boron | 10-1 | 47.62 | 46.97 | 47.83 | 47.47 | 0.95 | ppb |
| Boron | 11-1 | 48.19 | 47.33 | 46.75 | 47.42 | 1.53 | ppb |
| Cadmium | 111-1 | -0.16 | -0.16 | -0.17 | -0.16 | | ppb |
| Cadmium | 106-1 | -1.88 | -1.76 | -2.02 | -1.89 | | ppb |
| Cadmium | 108-1 | 0.02 | 0.04 | 0.09 | 0.05 | 64.67 | ppb |
| Calcium | 43-1 | 54144.84 | 52107.25 | 51616.91 | 52623.00 | 2.55 | ppb |
| Calcium | 44-1 | 54172.68 | 52424.37 | 52041.40 | 52879.48 | 2.15 | ppb |
| Chromium | 52-2 | 0.32 | 0.26 | 0.32 | 0.30 | 11.67 | ppb |
| Cobalt | 59-2 | -0.13 | -0.11 | -0.12 | -0.12 | | ppb |
| Copper | 63-2 | 58.20 | 59.25 | 57.71 | 58.39 | 1.35 | 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 | | | | 127 | | % |
| Holmium | 165-2 | | | | 108 | | % |
| Indium | 115-1 | | | | 111 | | % |
| Indium | 115-2 | | | | 88 | | % |
| Iron | 56-2 | 5.98 | 5.59 | 5.97 | 5.85 | 3.85 | ppb |
| Iron | 57-2 | 3.06 | 4.51 | 6.99 | 4.85 | 40.91 | ppb |
| Krypton | 83-1 | 1482.51 | 2497.87 | 2122.91 | 2034.43 | 25.24 | ppb |
| Lead | 206-1 | 0.38 | 0.38 | 0.42 | 0.40 | 4.89 | ppb |
| Lead | 207-1 | 0.36 | 0.37 | 0.32 | 0.35 | 7.11 | ppb |
| Lead | 208-1 | 0.39 | 0.36 | 0.37 | 0.38 | 3.51 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 22996.16 | 23319.97 | 22654.15 | 22990.09 | 1.45 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5356-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380917120-BURK | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:03:53 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.27 | 0.33 | 0.18 | 0.26 | 28.36 | ppb |
| Molybdenum | 94-1 | 0.53 | 0.48 | 0.45 | 0.49 | 8.08 | ppb |
| Molybdenum | 95-1 | 0.31 | 0.32 | 0.28 | 0.30 | 6.86 | ppb |
| Molybdenum | 96-1 | 0.37 | 0.39 | 0.31 | 0.36 | 11.70 | ppb |
| Molybdenum | 97-1 | 0.31 | 0.35 | 0.29 | 0.32 | 9.70 | ppb |
| Molybdenum | 98-1 | 0.31 | 0.30 | 0.30 | 0.30 | 1.75 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.25 | 0.00 | 0.18 | 0.14 | 90.84 | ppb |
| Phosphorus | 31-2 | -15.90 | 5.74 | 5.45 | -1.57 | | ppb |
| Potassium | 39-2 | 1671.24 | 1671.94 | 1664.16 | 1669.11 | 0.26 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 91 | | % |
| Scandium | 45-1 | | | | 95 | | % |
| Scandium | 45-2 | | | | 74 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 1.29 | 0.55 | 1.34 | 1.06 | 41.50 | ppb |
| Selenium | 82-1 | 0.48 | 1.04 | 0.90 | 0.81 | 36.21 | ppb |
| Silicon | 28-1 | 9559.40 | 9277.40 | 9157.35 | 9331.38 | 2.21 | ppb |
| Silver | 109-1 | 0.08 | 0.10 | 0.10 | 0.09 | 9.16 | ppb |
| Silver | 107-1 | 0.08 | 0.10 | 0.10 | 0.09 | 7.89 | ppb |
| Sodium | 23-2 | 15255.95 | 15364.57 | 15127.42 | 15249.31 | 0.78 | ppb |
| Strontium | 86-1 | 747.82 | 721.01 | 714.29 | 727.71 | 2.44 | ppb |
| Strontium | 88-1 | 746.44 | 725.34 | 711.94 | 727.91 | 2.39 | ppb |
| Sulfur | 34-1 | 6992.81 | 6516.65 | 6455.96 | 6655.14 | 4.42 | ppb |
| Terbium | 159-1 | | | | 124 | | % |
| Terbium | 159-2 | | | | 106 | | % |
| Thallium | 203-1 | 0.05 | 0.04 | 0.03 | 0.04 | 25.01 | ppb |
| Thallium | 205-1 | 0.06 | 0.04 | 0.03 | 0.04 | 32.69 | ppb |
| Tin | 118-1 | 0.20 | 0.19 | 0.20 | 0.20 | 1.38 | ppb |
| Titanium | 47-1 | 0.34 | 0.34 | 0.33 | 0.34 | 3.11 | ppb |
| Uranium | 238-1 | 4.09 | 3.92 | 3.84 | 3.95 | 3.34 | ppb |
| Vanadium | 51-2 | 1.33 | 1.42 | 1.38 | 1.38 | 3.54 | ppb |
| Yttrium | 89-1 | | | | 107 | | % |
| Yttrium | 89-2 | | | | 83 | | % |
| Zinc | 66-2 | 25.14 | 25.41 | 24.91 | 25.15 | 1.00 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5356-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380917120-BURK | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:03:53 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.22 | 0.19 | 0.17 | 0.19 | 14.24 | ppb |
| Zirconium | 91-1 | 0.22 | 0.21 | 0.14 | 0.19 | 21.80 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5358-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926022.0-BEIDELMA | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:07:16 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 18.78 | 14.17 | 14.39 | 15.78 | 16.49 | ppb |
| Antimony | 121-1 | 0.29 | 0.32 | 0.33 | 0.31 | 6.31 | ppb |
| Arsenic | 75-1 | 6.85 | 6.80 | 7.37 | 7.01 | 4.50 | ppb |
| Barium | 135-1 | 22.60 | 23.06 | 22.76 | 22.81 | 1.03 | ppb |
| Barium | 137-1 | 22.72 | 23.14 | 22.86 | 22.91 | 0.92 | ppb |
| Beryllium | 9-1 | -0.14 | -0.13 | -0.13 | -0.13 | | ppb |
| Bismuth | 209-1 | | | | 137 | | % |
| Bismuth | 209-2 | | | | 108 | | % |
| Boron | 10-1 | 1172.68 | 1231.81 | 1208.71 | 1204.40 | 2.47 | ppb |
| Boron | 11-1 | 1180.28 | 1224.79 | 1260.09 | 1221.72 | 3.27 | ppb |
| Cadmium | 111-1 | -0.15 | -0.16 | -0.18 | -0.16 | | ppb |
| Cadmium | 106-1 | -1.37 | -1.44 | -1.67 | -1.49 | | ppb |
| Cadmium | 108-1 | -0.02 | 0.00 | 0.04 | 0.01 | 584.44 | ppb |
| Calcium | 43-1 | 24782.97 | 24521.77 | 24340.37 | 24548.37 | 0.91 | ppb |
| Calcium | 44-1 | 24761.31 | 24513.50 | 24494.27 | 24589.70 | 0.61 | ppb |
| Chromium | 52-2 | 0.04 | 0.05 | 0.02 | 0.04 | 35.43 | ppb |
| Cobalt | 59-2 | -0.11 | -0.10 | -0.10 | -0.10 | | ppb |
| Copper | 63-2 | 1.31 | 1.24 | 1.28 | 1.28 | 2.51 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 128 | | % |
| Holmium | 165-2 | | | | 107 | | % |
| Indium | 115-1 | | | | 111 | | % |
| Indium | 115-2 | | | | 87 | | % |
| Iron | 56-2 | 8.52 | 8.36 | 8.89 | 8.59 | 3.14 | ppb |
| Iron | 57-2 | 9.06 | 8.98 | 10.03 | 9.36 | 6.26 | ppb |
| Krypton | 83-1 | 1976.37 | 1625.06 | 1796.16 | 1799.20 | 9.76 | ppb |
| Lead | 206-1 | 0.10 | 0.14 | 0.12 | 0.12 | 13.99 | ppb |
| Lead | 207-1 | 0.08 | 0.09 | 0.10 | 0.09 | 10.36 | ppb |
| Lead | 208-1 | 0.10 | 0.11 | 0.11 | 0.11 | 3.71 | ppb |
| Lithium | 6-1 | | | | 111 | | % |
| Magnesium | 24-2 | 17009.14 | 17338.24 | 17396.23 | 17247.87 | 1.21 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5358-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926022.0-BEIDELMA | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:07:16 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 96.23 | 98.03 | 99.54 | 97.93 | 1.69 | ppb |
| Molybdenum | 94-1 | 1.43 | 1.45 | 1.41 | 1.43 | 1.46 | ppb |
| Molybdenum | 95-1 | 1.19 | 1.22 | 1.34 | 1.25 | 6.14 | ppb |
| Molybdenum | 96-1 | 1.22 | 1.32 | 1.29 | 1.28 | 3.88 | ppb |
| Molybdenum | 97-1 | 1.20 | 1.23 | 1.22 | 1.21 | 1.34 | ppb |
| Molybdenum | 98-1 | 1.24 | 1.29 | 1.28 | 1.27 | 2.02 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.25 | -0.24 | -0.13 | -0.21 | | ppb |
| Phosphorus | 31-2 | 26.56 | -15.90 | -15.90 | -1.75 | | ppb |
| Potassium | 39-2 | 612.40 | 620.03 | 598.78 | 610.40 | 1.76 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 93 | | % |
| Scandium | 45-2 | | | | 73 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 5.05 | 1.68 | 173.21 | ppb |
| Selenium | 78-2 | 1.32 | 0.57 | 0.57 | 0.82 | 53.03 | ppb |
| Selenium | 82-1 | 0.53 | 0.32 | 0.43 | 0.43 | 24.29 | ppb |
| Silicon | 28-1 | 11237.61 | 11006.53 | 11125.39 | 11123.17 | 1.04 | ppb |
| Silver | 109-1 | 0.07 | 0.09 | 0.09 | 0.09 | 14.21 | ppb |
| Silver | 107-1 | 0.07 | 0.09 | 0.08 | 0.08 | 11.66 | ppb |
| Sodium | 23-2 | 36410.62 | 37282.54 | 38180.34 | 37291.17 | 2.37 | ppb |
| Strontium | 86-1 | 2462.07 | 2483.14 | 2493.31 | 2479.51 | 0.64 | ppb |
| Strontium | 88-1 | 2503.78 | 2524.41 | 2548.45 | 2525.55 | 0.89 | ppb |
| Sulfur | 34-1 | 10126.69 | 9772.33 | 9855.33 | 9918.12 | 1.87 | ppb |
| Terbium | 159-1 | | | | 125 | | % |
| Terbium | 159-2 | | | | 105 | | % |
| Thallium | 203-1 | -0.03 | -0.03 | -0.03 | -0.03 | | ppb |
| Thallium | 205-1 | -0.04 | -0.03 | -0.03 | -0.03 | | ppb |
| Tin | 118-1 | 0.10 | 0.11 | 0.10 | 0.10 | 5.39 | ppb |
| Titanium | 47-1 | 0.31 | 0.34 | 0.40 | 0.35 | 11.87 | ppb |
| Uranium | 238-1 | 1.64 | 1.64 | 1.62 | 1.63 | 0.67 | ppb |
| Vanadium | 51-2 | 0.00 | -0.01 | -0.02 | -0.01 | | ppb |
| Yttrium | 89-1 | | | | 106 | | % |
| Yttrium | 89-2 | | | | 81 | | % |
| Zinc | 66-2 | 10.14 | 11.17 | 10.21 | 10.51 | 5.46 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5358-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926022.0-BEIDELMA | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:07:16 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.35 | 0.32 | 0.31 | 0.33 | 6.84 | ppb |
| Zirconium | 91-1 | 0.36 | 0.27 | 0.29 | 0.30 | 15.71 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:10:37 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 13.24 | 8.87 | 16.81 | 12.97 | 30.66 | ppb |
| Antimony | 121-1 | 0.27 | 0.32 | 0.30 | 0.30 | 8.14 | ppb |
| Arsenic | 75-1 | 8.01 | 8.81 | 9.05 | 8.62 | 6.30 | ppb |
| Barium | 135-1 | 138.98 | 139.98 | 142.14 | 140.37 | 1.15 | ppb |
| Barium | 137-1 | 139.74 | 141.38 | 142.82 | 141.31 | 1.09 | ppb |
| Beryllium | 9-1 | -0.11 | -0.16 | -0.13 | -0.13 | | ppb |
| Bismuth | 209-1 | | | | 139 | | % |
| Bismuth | 209-2 | | | | 109 | | % |
| Boron | 10-1 | 66.59 | 66.11 | 58.90 | 63.87 | 6.75 | ppb |
| Boron | 11-1 | 65.19 | 62.45 | 59.41 | 62.35 | 4.64 | ppb |
| Cadmium | 111-1 | -0.16 | -0.22 | -0.16 | -0.18 | | ppb |
| Cadmium | 106-1 | -1.52 | -2.13 | -1.34 | -1.67 | | ppb |
| Cadmium | 108-1 | 0.00 | 0.20 | 0.00 | 0.07 | 174.32 | ppb |
| Calcium | 43-1 | 20638.59 | 20669.25 | 20830.09 | 20712.64 | 0.50 | ppb |
| Calcium | 44-1 | 20861.40 | 21137.36 | 21083.51 | 21027.43 | 0.70 | ppb |
| Chromium | 52-2 | 0.46 | 0.39 | 0.37 | 0.41 | 10.92 | ppb |
| Cobalt | 59-2 | -0.12 | -0.11 | -0.10 | -0.11 | | ppb |
| Copper | 63-2 | 59.71 | 56.76 | 57.63 | 58.03 | 2.61 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 126 | | % |
| Holmium | 165-2 | | | | 106 | | % |
| Indium | 115-1 | | | | 110 | | % |
| Indium | 115-2 | | | | 86 | | % |
| Iron | 56-2 | 22.75 | 21.15 | 21.92 | 21.94 | 3.64 | ppb |
| Iron | 57-2 | 18.77 | 22.49 | 29.23 | 23.50 | 22.56 | ppb |
| Krypton | 83-1 | 1709.58 | 960.20 | 1800.93 | 1490.24 | 30.95 | ppb |
| Lead | 206-1 | 0.65 | 0.65 | 0.65 | 0.65 | 0.30 | ppb |
| Lead | 207-1 | 0.58 | 0.58 | 0.62 | 0.59 | 3.64 | ppb |
| Lead | 208-1 | 0.62 | 0.63 | 0.63 | 0.63 | 0.86 | ppb |
| Lithium | 6-1 | | | | 109 | | % |
| Magnesium | 24-2 | 8421.92 | 8213.16 | 8166.43 | 8267.17 | 1.65 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:10:37 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.64 | 0.73 | 0.85 | 0.74 | 14.28 | ppb |
| Molybdenum | 94-1 | 0.06 | 0.04 | 0.08 | 0.06 | 29.55 | ppb |
| Molybdenum | 95-1 | 0.01 | -0.01 | -0.01 | 0.00 | | ppb |
| Molybdenum | 96-1 | -0.01 | -0.01 | 0.00 | -0.01 | | ppb |
| Molybdenum | 97-1 | 0.04 | -0.01 | 0.03 | 0.02 | 118.58 | ppb |
| Molybdenum | 98-1 | 0.00 | 0.00 | 0.04 | 0.01 | 150.19 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.21 | 0.12 | 0.16 | 0.16 | 27.19 | ppb |
| Phosphorus | 31-2 | 96.50 | 136.60 | 115.52 | 116.21 | 17.26 | ppb |
| Potassium | 39-2 | 1030.29 | 932.13 | 921.74 | 961.39 | 6.23 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 90 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 72 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | 0.57 | 1.37 | 0.58 | 0.84 | 54.71 | ppb |
| Selenium | 82-1 | 0.39 | 0.01 | 0.40 | 0.27 | 82.85 | ppb |
| Silicon | 28-1 | 13404.00 | 13403.65 | 13428.98 | 13412.21 | 0.11 | ppb |
| Silver | 109-1 | 0.06 | 0.05 | 0.09 | 0.07 | 27.69 | ppb |
| Silver | 107-1 | 0.07 | 0.06 | 0.07 | 0.07 | 5.86 | ppb |
| Sodium | 23-2 | 12623.87 | 12050.78 | 12142.29 | 12272.32 | 2.51 | ppb |
| Strontium | 86-1 | 41.78 | 42.30 | 41.62 | 41.90 | 0.86 | ppb |
| Strontium | 88-1 | 42.76 | 43.51 | 42.98 | 43.08 | 0.89 | ppb |
| Sulfur | 34-1 | 1055.72 | 1266.18 | 1482.61 | 1268.17 | 16.83 | ppb |
| Terbium | 159-1 | | | | 123 | | % |
| Terbium | 159-2 | | | | 104 | | % |
| Thallium | 203-1 | -0.04 | -0.04 | -0.03 | -0.04 | | ppb |
| Thallium | 205-1 | -0.04 | -0.04 | -0.04 | -0.04 | | ppb |
| Tin | 118-1 | 0.47 | 0.49 | 0.50 | 0.49 | 3.93 | ppb |
| Titanium | 47-1 | 0.45 | 0.60 | 0.52 | 0.52 | 14.22 | ppb |
| Uranium | 238-1 | -0.08 | -0.09 | -0.08 | -0.08 | | ppb |
| Vanadium | 51-2 | 1.16 | 1.00 | 1.11 | 1.09 | 7.71 | ppb |
| Yttrium | 89-1 | | | | 104 | | % |
| Yttrium | 89-2 | | | | 80 | | % |
| Zinc | 66-2 | 49.89 | 48.40 | 48.11 | 48.80 | 1.96 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:10:37 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.05 | 0.03 | 0.04 | 0.04 | 17.69 | ppb |
| Zirconium | 91-1 | 0.02 | 0.03 | 0.05 | 0.03 | 50.04 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01DUP | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:14:00 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 12.65 | 11.34 | 18.09 | 14.02 | 25.52 | ppb |
| Antimony | 121-1 | 0.24 | 0.29 | 0.25 | 0.26 | 10.66 | ppb |
| Arsenic | 75-1 | 9.52 | 9.78 | 10.10 | 9.80 | 2.95 | ppb |
| Barium | 135-1 | 140.56 | 139.76 | 138.56 | 139.63 | 0.72 | ppb |
| Barium | 137-1 | 139.11 | 140.49 | 139.78 | 139.79 | 0.49 | ppb |
| Beryllium | 9-1 | -0.13 | -0.15 | -0.15 | -0.15 | | ppb |
| Bismuth | 209-1 | | | | 139 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Boron | 10-1 | 34.76 | 36.82 | 36.00 | 35.86 | 2.90 | ppb |
| Boron | 11-1 | 35.61 | 35.49 | 34.84 | 35.31 | 1.18 | ppb |
| Cadmium | 111-1 | -0.20 | -0.19 | -0.22 | -0.20 | | ppb |
| Cadmium | 106-1 | -1.87 | -1.83 | -2.38 | -2.03 | | ppb |
| Cadmium | 108-1 | 0.00 | -0.07 | 0.02 | -0.02 | | ppb |
| Calcium | 43-1 | 20486.30 | 20853.87 | 20476.98 | 20605.71 | 1.04 | ppb |
| Calcium | 44-1 | 20875.39 | 20975.66 | 20905.23 | 20918.76 | 0.25 | ppb |
| Chromium | 52-2 | 0.50 | 0.48 | 0.44 | 0.47 | 6.68 | ppb |
| Cobalt | 59-2 | -0.12 | -0.10 | -0.11 | -0.11 | | ppb |
| Copper | 63-2 | 58.61 | 58.61 | 61.49 | 59.57 | 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 | | | | 127 | | % |
| Holmium | 165-2 | | | | 104 | | % |
| Indium | 115-1 | | | | 110 | | % |
| Indium | 115-2 | | | | 85 | | % |
| Iron | 56-2 | 21.65 | 22.17 | 23.53 | 22.45 | 4.32 | ppb |
| Iron | 57-2 | 18.11 | 20.83 | 27.20 | 22.05 | 21.16 | ppb |
| Krypton | 83-1 | 1403.11 | 1808.19 | 1974.08 | 1728.46 | 16.99 | ppb |
| Lead | 206-1 | 0.64 | 0.70 | 0.63 | 0.66 | 6.14 | ppb |
| Lead | 207-1 | 0.58 | 0.60 | 0.61 | 0.60 | 2.47 | ppb |
| Lead | 208-1 | 0.61 | 0.65 | 0.63 | 0.63 | 3.66 | ppb |
| Lithium | 6-1 | | | | 110 | | % |
| Magnesium | 24-2 | 8284.73 | 8148.90 | 8678.55 | 8370.73 | 3.29 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01DUP | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:14:00 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.79 | 0.82 | 0.66 | 0.75 | 11.25 | ppb |
| Molybdenum | 94-1 | 0.06 | 0.03 | 0.04 | 0.04 | 30.95 | ppb |
| Molybdenum | 95-1 | -0.02 | -0.01 | -0.01 | -0.01 | | ppb |
| Molybdenum | 96-1 | -0.01 | 0.00 | 0.01 | 0.00 | 4272.02 | ppb |
| Molybdenum | 97-1 | 0.01 | -0.02 | 0.00 | 0.00 | | ppb |
| Molybdenum | 98-1 | -0.02 | -0.03 | -0.01 | -0.02 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 0.28 | 0.41 | 0.52 | 0.40 | 29.67 | ppb |
| Phosphorus | 31-2 | 251.15 | 140.15 | 194.97 | 195.42 | 28.40 | ppb |
| Potassium | 39-2 | 920.92 | 966.44 | 982.42 | 956.59 | 3.34 | ppb |
| Rhodium | 103-1 | | | | 105 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 92 | | % |
| Scandium | 45-2 | | | | 70 | | % |
| Selenium | 77-2 | 5.08 | 0.00 | 0.00 | 1.69 | 173.21 | ppb |
| Selenium | 78-2 | 2.14 | -0.21 | -0.21 | 0.57 | 237.10 | ppb |
| Selenium | 82-1 | 0.05 | 0.40 | 0.66 | 0.37 | 83.15 | ppb |
| Silicon | 28-1 | 13270.97 | 13419.87 | 13214.79 | 13301.88 | 0.80 | ppb |
| Silver | 109-1 | 0.06 | 0.05 | 0.06 | 0.06 | 6.66 | ppb |
| Silver | 107-1 | 0.06 | 0.06 | 0.05 | 0.06 | 7.67 | ppb |
| Sodium | 23-2 | 12285.35 | 12204.50 | 12810.92 | 12433.59 | 2.65 | ppb |
| Strontium | 86-1 | 41.39 | 40.82 | 41.69 | 41.30 | 1.06 | ppb |
| Strontium | 88-1 | 42.47 | 42.47 | 42.89 | 42.61 | 0.57 | ppb |
| Sulfur | 34-1 | 974.06 | 1213.99 | 1041.11 | 1076.38 | 11.50 | ppb |
| Terbium | 159-1 | | | | 124 | | % |
| Terbium | 159-2 | | | | 103 | | % |
| Thallium | 203-1 | -0.04 | -0.05 | -0.04 | -0.04 | | ppb |
| Thallium | 205-1 | -0.05 | -0.05 | -0.05 | -0.05 | | ppb |
| Tin | 118-1 | 0.48 | 0.47 | 0.53 | 0.49 | 5.76 | ppb |
| Titanium | 47-1 | 0.55 | 0.55 | 0.57 | 0.56 | 2.47 | ppb |
| Uranium | 238-1 | -0.08 | -0.09 | -0.09 | -0.09 | | ppb |
| Vanadium | 51-2 | 1.06 | 0.98 | 1.27 | 1.10 | 13.71 | ppb |
| Yttrium | 89-1 | | | | 105 | | % |
| Yttrium | 89-2 | | | | 78 | | % |
| Zinc | 66-2 | 50.46 | 47.57 | 53.90 | 50.64 | 6.26 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01DUP | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:14:00 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.05 | 0.03 | 0.03 | 0.04 | 29.97 | ppb |
| Zirconium | 91-1 | 0.05 | 0.02 | 0.05 | 0.04 | 33.05 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01LX5 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2018-10-10 15:28:52 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2.96 | 3.95 | 5.29 | 4.06 | 28.80 | ppb |
| Antimony | 121-1 | 0.07 | 0.08 | 0.08 | 0.08 | 11.23 | ppb |
| Arsenic | 75-1 | 1.29 | 1.62 | 1.76 | 1.55 | 15.64 | ppb |
| Barium | 135-1 | 30.22 | 29.94 | 29.92 | 30.03 | 0.56 | ppb |
| Barium | 137-1 | 30.14 | 30.11 | 29.68 | 29.98 | 0.85 | ppb |
| Beryllium | 9-1 | -0.17 | -0.15 | -0.13 | -0.15 | | ppb |
| Bismuth | 209-1 | | | | 128 | | % |
| Bismuth | 209-2 | | | | 103 | | % |
| Boron | 10-1 | 10.10 | 9.34 | 10.07 | 9.84 | 4.35 | ppb |
| Boron | 11-1 | 10.60 | 10.99 | 10.47 | 10.69 | 2.56 | ppb |
| Cadmium | 111-1 | -0.20 | -0.20 | -0.25 | -0.22 | | ppb |
| Cadmium | 106-1 | -1.80 | -1.91 | -2.39 | -2.03 | | ppb |
| Cadmium | 108-1 | -0.04 | -0.04 | 0.03 | -0.02 | | ppb |
| Calcium | 43-1 | 4443.40 | 4255.06 | 4344.10 | 4347.52 | 2.17 | ppb |
| Calcium | 44-1 | 4544.15 | 4443.03 | 4486.00 | 4491.06 | 1.13 | ppb |
| Chromium | 52-2 | 0.09 | 0.09 | 0.04 | 0.08 | 38.88 | ppb |
| Cobalt | 59-2 | -0.12 | -0.13 | -0.13 | -0.13 | | ppb |
| Copper | 63-2 | 12.06 | 12.12 | 12.12 | 12.10 | 0.29 | 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 | | | | 103 | | % |
| Indium | 115-2 | | | | 83 | | % |
| Iron | 56-2 | 4.66 | 5.17 | 4.33 | 4.72 | 8.95 | ppb |
| Iron | 57-2 | 4.85 | 4.03 | 8.14 | 5.67 | 38.31 | ppb |
| Krypton | 83-1 | 1006.71 | 1646.87 | 1358.80 | 1337.46 | 23.97 | ppb |
| Lead | 206-1 | 0.08 | 0.06 | 0.03 | 0.06 | 40.73 | ppb |
| Lead | 207-1 | 0.06 | 0.08 | 0.04 | 0.06 | 34.26 | ppb |
| Lead | 208-1 | 0.07 | 0.06 | 0.04 | 0.06 | 27.48 | ppb |
| Lithium | 6-1 | | | | 99 | | % |
| Magnesium | 24-2 | 1721.71 | 1717.12 | 1735.43 | 1724.75 | 0.55 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01LX5 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2018-10-10 15:28:52 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 0.06 | 0.17 | 0.07 | 0.10 | 59.25 | ppb |
| Molybdenum | 94-1 | 0.02 | -0.01 | 0.00 | 0.00 | 936.94 | ppb |
| Molybdenum | 95-1 | -0.05 | -0.06 | -0.06 | -0.06 | | ppb |
| Molybdenum | 96-1 | -0.04 | -0.05 | -0.06 | -0.05 | | ppb |
| Molybdenum | 97-1 | -0.05 | -0.06 | -0.04 | -0.05 | | ppb |
| Molybdenum | 98-1 | -0.06 | -0.05 | -0.06 | -0.05 | | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.19 | -0.19 | -0.25 | -0.21 | | ppb |
| Phosphorus | 31-2 | -15.90 | 7.15 | -15.90 | -8.22 | | ppb |
| Potassium | 39-2 | 207.09 | 179.85 | 190.47 | 192.47 | 7.13 | ppb |
| Rhodium | 103-1 | | | | 99 | | % |
| Rhodium | 103-2 | | | | 86 | | % |
| Scandium | 45-1 | | | | 88 | | % |
| Scandium | 45-2 | | | | 69 | | % |
| Selenium | 77-2 | 5.20 | 0.00 | 0.00 | 1.73 | 173.21 | ppb |
| Selenium | 78-2 | 0.59 | 1.44 | 0.61 | 0.88 | 54.98 | ppb |
| Selenium | 82-1 | 0.23 | 0.67 | 0.31 | 0.40 | 57.92 | ppb |
| Silicon | 28-1 | 2808.43 | 2790.33 | 2805.44 | 2801.40 | 0.35 | ppb |
| Silver | 109-1 | 0.02 | 0.02 | 0.03 | 0.02 | 8.83 | ppb |
| Silver | 107-1 | 0.02 | 0.02 | 0.03 | 0.02 | 23.62 | ppb |
| Sodium | 23-2 | 2555.59 | 2616.93 | 2544.02 | 2572.18 | 1.52 | ppb |
| Strontium | 86-1 | 8.85 | 8.81 | 8.55 | 8.74 | 1.82 | ppb |
| Strontium | 88-1 | 8.99 | 8.99 | 8.94 | 8.98 | 0.37 | ppb |
| Sulfur | 34-1 | 102.77 | -21.17 | 12.30 | 31.30 | 204.85 | ppb |
| Terbium | 159-1 | | | | 115 | | % |
| Terbium | 159-2 | | | | 99 | | % |
| Thallium | 203-1 | -0.04 | -0.03 | -0.05 | -0.04 | | ppb |
| Thallium | 205-1 | -0.04 | -0.05 | -0.05 | -0.05 | | ppb |
| Tin | 118-1 | 0.09 | 0.15 | 0.07 | 0.10 | 40.43 | ppb |
| Titanium | 47-1 | 0.04 | 0.12 | 0.08 | 0.08 | 53.50 | ppb |
| Uranium | 238-1 | -0.12 | -0.12 | -0.12 | -0.12 | | ppb |
| Vanadium | 51-2 | 0.17 | 0.18 | 0.18 | 0.18 | 3.09 | ppb |
| Yttrium | 89-1 | | | | 98 | | % |
| Yttrium | 89-2 | | | | 77 | | % |
| Zinc | 66-2 | 9.86 | 9.93 | 9.49 | 9.76 | 2.45 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01LX5 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2018-10-10 15:28:52 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.02 | 0.02 | 0.02 | 0.02 | 16.90 | ppb |
| Zirconium | 91-1 | 0.01 | 0.00 | 0.03 | 0.01 | 111.54 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MS | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:32:15 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1880.27 | 2080.80 | 1946.08 | 1969.05 | 5.19 | ppb |
| Antimony | 121-1 | 725.09 | 730.32 | 718.19 | 724.53 | 0.84 | ppb |
| Arsenic | 75-1 | 827.44 | 805.13 | 819.99 | 817.52 | 1.39 | ppb |
| Barium | 135-1 | 337.77 | 340.88 | 339.06 | 339.23 | 0.46 | ppb |
| Barium | 137-1 | 342.85 | 342.41 | 341.59 | 342.28 | 0.19 | ppb |
| Beryllium | 9-1 | 174.72 | 177.97 | 178.12 | 176.94 | 1.09 | ppb |
| Bismuth | 209-1 | | | | 136 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Boron | 10-1 | 272.05 | 286.11 | 290.85 | 283.00 | 3.46 | ppb |
| Boron | 11-1 | 271.65 | 287.56 | 288.72 | 282.64 | 3.38 | ppb |
| Cadmium | 111-1 | 190.81 | 193.12 | 189.21 | 191.04 | 1.03 | ppb |
| Cadmium | 106-1 | 161.51 | 168.80 | 164.74 | 165.02 | 2.21 | ppb |
| Cadmium | 108-1 | 175.95 | 176.10 | 176.78 | 176.28 | 0.25 | ppb |
| Calcium | 43-1 | 22099.50 | 22190.93 | 22318.06 | 22202.83 | 0.49 | ppb |
| Calcium | 44-1 | 22434.57 | 22256.51 | 22365.62 | 22352.23 | 0.40 | ppb |
| Chromium | 52-2 | 394.28 | 437.33 | 407.11 | 412.90 | 5.35 | ppb |
| Cobalt | 59-2 | 211.80 | 232.77 | 217.42 | 220.66 | 4.92 | ppb |
| Copper | 63-2 | 388.73 | 426.09 | 401.04 | 405.28 | 4.70 | 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 | | | | 124 | | % |
| Holmium | 165-2 | | | | 101 | | % |
| Indium | 115-1 | | | | 105 | | % |
| Indium | 115-2 | | | | 78 | | % |
| Iron | 56-2 | 3350.03 | 3670.67 | 3399.59 | 3473.43 | 4.97 | ppb |
| Iron | 57-2 | 3119.85 | 3522.90 | 3212.03 | 3284.93 | 6.43 | ppb |
| Krypton | 83-1 | 2499.45 | 1518.20 | 1773.55 | 1930.40 | 26.37 | ppb |
| Lead | 206-1 | 981.31 | 977.33 | 972.03 | 976.89 | 0.48 | ppb |
| Lead | 207-1 | 967.21 | 959.11 | 961.87 | 962.73 | 0.43 | ppb |
| Lead | 208-1 | 981.20 | 975.14 | 975.52 | 977.29 | 0.35 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 10374.19 | 11388.03 | 10754.94 | 10839.05 | 4.72 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MS | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:32:15 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 199.93 | 218.45 | 206.43 | 208.27 | 4.51 | ppb |
| Molybdenum | 94-1 | 274.38 | 272.26 | 270.64 | 272.42 | 0.69 | ppb |
| Molybdenum | 95-1 | 401.17 | 395.86 | 398.24 | 398.42 | 0.67 | ppb |
| Molybdenum | 96-1 | 386.38 | 384.85 | 380.60 | 383.95 | 0.78 | ppb |
| Molybdenum | 97-1 | 384.67 | 386.54 | 383.74 | 384.98 | 0.37 | ppb |
| Molybdenum | 98-1 | 398.26 | 397.75 | 392.24 | 396.08 | 0.84 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 524.69 | 578.21 | 540.40 | 547.76 | 5.02 | ppb |
| Phosphorus | 31-2 | 5350.10 | 6011.68 | 5979.57 | 5780.45 | 6.45 | ppb |
| Potassium | 39-2 | 10755.41 | 11856.86 | 11073.21 | 11228.49 | 5.05 | ppb |
| Rhodium | 103-1 | | | | 101 | | % |
| Rhodium | 103-2 | | | | 84 | | % |
| Scandium | 45-1 | | | | 88 | | % |
| Scandium | 45-2 | | | | 66 | | % |
| Selenium | 77-2 | 2286.29 | 2259.92 | 2231.59 | 2259.27 | 1.21 | ppb |
| Selenium | 78-2 | 2015.47 | 2146.81 | 2053.58 | 2071.95 | 3.26 | ppb |
| Selenium | 82-1 | 2012.16 | 2008.88 | 2005.02 | 2008.68 | 0.18 | ppb |
| Silicon | 28-1 | 14435.95 | 14419.45 | 14398.11 | 14417.84 | 0.13 | ppb |
| Silver | 109-1 | 71.66 | 72.38 | 71.61 | 71.88 | 0.60 | ppb |
| Silver | 107-1 | 71.93 | 72.60 | 71.81 | 72.11 | 0.59 | ppb |
| Sodium | 23-2 | 15502.62 | 17061.40 | 15886.36 | 16150.13 | 5.03 | ppb |
| Strontium | 86-1 | 235.27 | 233.24 | 232.38 | 233.63 | 0.64 | ppb |
| Strontium | 88-1 | 244.62 | 240.49 | 240.04 | 241.71 | 1.04 | ppb |
| Sulfur | 34-1 | 1253.19 | 1326.82 | 1401.24 | 1327.08 | 5.58 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 98 | | % |
| Thallium | 203-1 | 1952.28 | 1950.95 | 1933.58 | 1945.61 | 0.54 | ppb |
| Thallium | 205-1 | 1968.28 | 1936.09 | 1927.26 | 1943.88 | 1.11 | ppb |
| Tin | 118-1 | 676.01 | 675.87 | 669.78 | 673.88 | 0.53 | ppb |
| Titanium | 47-1 | 197.93 | 197.30 | 199.10 | 198.11 | 0.46 | ppb |
| Uranium | 238-1 | -0.09 | -0.08 | -0.09 | -0.09 | | ppb |
| Vanadium | 51-2 | 308.01 | 336.57 | 315.15 | 319.91 | 4.65 | ppb |
| Yttrium | 89-1 | | | | 101 | | % |
| Yttrium | 89-2 | | | | 75 | | % |
| Zinc | 66-2 | 258.05 | 285.00 | 266.68 | 269.91 | 5.10 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MS | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:32:15 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1.01 | 0.75 | 0.63 | 0.80 | 24.13 | ppb |
| Zirconium | 91-1 | 1.20 | 0.93 | 0.83 | 0.99 | 19.74 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MSD | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:35:33 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1885.38 | 1885.37 | 1897.20 | 1889.32 | 0.36 | ppb |
| Antimony | 121-1 | 703.53 | 708.87 | 699.59 | 704.00 | 0.66 | ppb |
| Arsenic | 75-1 | 807.20 | 822.99 | 823.55 | 817.91 | 1.13 | ppb |
| Barium | 135-1 | 332.72 | 336.05 | 331.97 | 333.58 | 0.65 | ppb |
| Barium | 137-1 | 336.11 | 339.57 | 336.20 | 337.29 | 0.58 | ppb |
| Beryllium | 9-1 | 172.84 | 174.69 | 171.54 | 173.02 | 0.92 | ppb |
| Bismuth | 209-1 | | | | 135 | | % |
| Bismuth | 209-2 | | | | 107 | | % |
| Boron | 10-1 | 283.21 | 292.03 | 284.22 | 286.49 | 1.69 | ppb |
| Boron | 11-1 | 279.52 | 286.67 | 286.70 | 284.29 | 1.46 | ppb |
| Cadmium | 111-1 | 187.46 | 189.45 | 186.16 | 187.69 | 0.88 | ppb |
| Cadmium | 106-1 | 159.40 | 159.42 | 158.76 | 159.19 | 0.23 | ppb |
| Cadmium | 108-1 | 172.75 | 173.26 | 172.71 | 172.91 | 0.18 | ppb |
| Calcium | 43-1 | 21765.39 | 22164.33 | 22139.72 | 22023.14 | 1.02 | ppb |
| Calcium | 44-1 | 21985.02 | 22164.91 | 22002.04 | 22050.66 | 0.45 | ppb |
| Chromium | 52-2 | 399.50 | 398.03 | 403.32 | 400.28 | 0.68 | ppb |
| Cobalt | 59-2 | 212.60 | 211.45 | 214.67 | 212.91 | 0.77 | ppb |
| Copper | 63-2 | 390.17 | 388.77 | 394.80 | 391.25 | 0.81 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 122 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 80 | | % |
| Iron | 56-2 | 3282.44 | 3318.54 | 3324.41 | 3308.46 | 0.69 | ppb |
| Iron | 57-2 | 3266.56 | 3134.20 | 3196.00 | 3198.92 | 2.07 | ppb |
| Krypton | 83-1 | 1220.09 | 1689.81 | 1768.55 | 1559.49 | 19.02 | ppb |
| Lead | 206-1 | 969.09 | 976.48 | 974.13 | 973.23 | 0.39 | ppb |
| Lead | 207-1 | 945.83 | 953.50 | 968.61 | 955.98 | 1.21 | ppb |
| Lead | 208-1 | 962.64 | 969.70 | 974.08 | 968.81 | 0.60 | ppb |
| Lithium | 6-1 | | | | 103 | | % |
| Magnesium | 24-2 | 10421.37 | 10399.61 | 10392.30 | 10404.43 | 0.15 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MSD | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:35:33 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 198.15 | 201.29 | 202.24 | 200.56 | 1.07 | ppb |
| Molybdenum | 94-1 | 268.31 | 273.30 | 271.76 | 271.13 | 0.94 | ppb |
| Molybdenum | 95-1 | 393.20 | 397.79 | 397.79 | 396.26 | 0.67 | ppb |
| Molybdenum | 96-1 | 382.36 | 379.99 | 380.72 | 381.02 | 0.32 | ppb |
| Molybdenum | 97-1 | 378.97 | 384.74 | 384.61 | 382.77 | 0.86 | ppb |
| Molybdenum | 98-1 | 392.11 | 396.86 | 393.54 | 394.17 | 0.62 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 524.90 | 528.95 | 532.34 | 528.73 | 0.70 | ppb |
| Phosphorus | 31-2 | 5923.27 | 6319.59 | 5798.45 | 6013.77 | 4.52 | ppb |
| Potassium | 39-2 | 10695.53 | 10691.31 | 10734.85 | 10707.23 | 0.22 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 86 | | % |
| Scandium | 45-1 | | | | 86 | | % |
| Scandium | 45-2 | | | | 67 | | % |
| Selenium | 77-2 | 2043.25 | 1957.45 | 2079.36 | 2026.69 | 3.09 | ppb |
| Selenium | 78-2 | 2039.11 | 1959.24 | 2010.42 | 2002.92 | 2.02 | ppb |
| Selenium | 82-1 | 1998.16 | 2025.34 | 2005.31 | 2009.60 | 0.70 | ppb |
| Silicon | 28-1 | 14184.90 | 14359.11 | 14326.60 | 14290.20 | 0.65 | ppb |
| Silver | 109-1 | 70.92 | 71.18 | 70.83 | 70.98 | 0.25 | ppb |
| Silver | 107-1 | 70.81 | 71.45 | 70.59 | 70.95 | 0.62 | ppb |
| Sodium | 23-2 | 15496.19 | 15373.15 | 15624.62 | 15497.99 | 0.81 | ppb |
| Strontium | 86-1 | 231.12 | 236.26 | 231.71 | 233.03 | 1.21 | ppb |
| Strontium | 88-1 | 238.86 | 240.43 | 235.92 | 238.41 | 0.96 | ppb |
| Sulfur | 34-1 | 1169.36 | 1304.59 | 1266.41 | 1246.79 | 5.59 | ppb |
| Terbium | 159-1 | | | | 120 | | % |
| Terbium | 159-2 | | | | 102 | | % |
| Thallium | 203-1 | 1918.37 | 1946.30 | 1948.44 | 1937.70 | 0.87 | ppb |
| Thallium | 205-1 | 1913.45 | 1938.90 | 1951.28 | 1934.54 | 1.00 | ppb |
| Tin | 118-1 | 652.11 | 662.98 | 664.05 | 659.72 | 1.00 | ppb |
| Titanium | 47-1 | 194.48 | 196.87 | 198.68 | 196.67 | 1.07 | ppb |
| Uranium | 238-1 | -0.08 | -0.09 | -0.08 | -0.09 | | ppb |
| Vanadium | 51-2 | 307.34 | 304.45 | 307.21 | 306.33 | 0.53 | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 76 | | % |
| Zinc | 66-2 | 264.54 | 262.47 | 266.58 | 264.53 | 0.78 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MSD | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:35:33 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.32 | 0.29 | 0.25 | 0.29 | 11.94 | ppb |
| Zirconium | 91-1 | 0.55 | 0.52 | 0.47 | 0.52 | 7.34 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01A | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:38:51 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 1893.41 | 1818.35 | 1943.69 | 1885.15 | 3.35 | ppb |
| Antimony | 121-1 | 708.48 | 695.81 | 695.28 | 699.86 | 1.07 | ppb |
| Arsenic | 75-1 | 833.10 | 796.84 | 817.78 | 815.91 | 2.23 | ppb |
| Barium | 135-1 | 334.22 | 332.64 | 331.99 | 332.95 | 0.34 | ppb |
| Barium | 137-1 | 338.16 | 333.23 | 337.91 | 336.43 | 0.82 | ppb |
| Beryllium | 9-1 | 170.81 | 171.95 | 169.76 | 170.84 | 0.64 | ppb |
| Bismuth | 209-1 | | | | 136 | | % |
| Bismuth | 209-2 | | | | 106 | | % |
| Boron | 10-1 | 288.99 | 278.34 | 290.54 | 285.96 | 2.32 | ppb |
| Boron | 11-1 | 280.91 | 280.40 | 283.50 | 281.60 | 0.59 | ppb |
| Cadmium | 111-1 | 188.65 | 186.59 | 188.32 | 187.85 | 0.59 | ppb |
| Cadmium | 106-1 | 160.95 | 156.29 | 161.78 | 159.68 | 1.85 | ppb |
| Cadmium | 108-1 | 173.03 | 171.01 | 170.78 | 171.61 | 0.72 | ppb |
| Calcium | 43-1 | 22008.63 | 21460.22 | 21869.75 | 21779.53 | 1.31 | ppb |
| Calcium | 44-1 | 22189.10 | 21618.28 | 21965.00 | 21924.13 | 1.31 | ppb |
| Chromium | 52-2 | 400.68 | 400.54 | 407.13 | 402.78 | 0.93 | ppb |
| Cobalt | 59-2 | 215.20 | 213.83 | 218.93 | 215.99 | 1.22 | ppb |
| Copper | 63-2 | 393.19 | 394.90 | 400.62 | 396.23 | 0.98 | 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 | | | | 123 | | % |
| Holmium | 165-2 | | | | 103 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 79 | | % |
| Iron | 56-2 | 3352.12 | 3323.71 | 3380.85 | 3352.22 | 0.85 | ppb |
| Iron | 57-2 | 3219.91 | 3121.09 | 3266.71 | 3202.57 | 2.32 | ppb |
| Krypton | 83-1 | 2202.42 | 1703.34 | 1032.98 | 1646.25 | 35.65 | ppb |
| Lead | 206-1 | 966.69 | 965.66 | 966.98 | 966.44 | 0.07 | ppb |
| Lead | 207-1 | 954.32 | 949.00 | 961.73 | 955.02 | 0.67 | ppb |
| Lead | 208-1 | 968.48 | 958.03 | 969.62 | 965.38 | 0.66 | ppb |
| Lithium | 6-1 | | | | 104 | | % |
| Magnesium | 24-2 | 10466.21 | 10413.12 | 10643.22 | 10507.52 | 1.15 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01A | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:38:51 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 202.71 | 203.20 | 205.04 | 203.65 | 0.60 | ppb |
| Molybdenum | 94-1 | 270.12 | 269.52 | 269.70 | 269.78 | 0.12 | ppb |
| Molybdenum | 95-1 | 395.58 | 390.92 | 392.95 | 393.15 | 0.59 | ppb |
| Molybdenum | 96-1 | 380.18 | 376.58 | 378.13 | 378.29 | 0.48 | ppb |
| Molybdenum | 97-1 | 382.16 | 380.87 | 383.13 | 382.05 | 0.30 | ppb |
| Molybdenum | 98-1 | 396.16 | 390.70 | 391.93 | 392.93 | 0.73 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 528.35 | 528.85 | 540.21 | 532.47 | 1.26 | ppb |
| Phosphorus | 31-2 | 5927.75 | 5047.07 | 6639.11 | 5871.31 | 13.58 | ppb |
| Potassium | 39-2 | 10832.27 | 10752.86 | 10867.62 | 10817.58 | 0.54 | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 85 | | % |
| Scandium | 45-1 | | | | 87 | | % |
| Scandium | 45-2 | | | | 67 | | % |
| Selenium | 77-2 | 1956.99 | 2031.71 | 2092.71 | 2027.14 | 3.35 | ppb |
| Selenium | 78-2 | 1985.41 | 1969.73 | 1964.57 | 1973.23 | 0.55 | ppb |
| Selenium | 82-1 | 2002.98 | 1989.55 | 1995.27 | 1995.93 | 0.34 | ppb |
| Silicon | 28-1 | 14294.33 | 13936.47 | 14144.86 | 14125.22 | 1.27 | ppb |
| Silver | 109-1 | 71.26 | 70.49 | 70.78 | 70.84 | 0.55 | ppb |
| Silver | 107-1 | 70.96 | 70.36 | 70.67 | 70.66 | 0.42 | ppb |
| Sodium | 23-2 | 15569.98 | 15583.44 | 15746.75 | 15633.39 | 0.63 | ppb |
| Strontium | 86-1 | 232.04 | 228.48 | 231.72 | 230.75 | 0.85 | ppb |
| Strontium | 88-1 | 238.51 | 238.39 | 239.41 | 238.77 | 0.23 | ppb |
| Sulfur | 34-1 | 909.92 | 655.65 | 682.59 | 749.39 | 18.64 | ppb |
| Terbium | 159-1 | | | | 121 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 1939.13 | 1896.93 | 1918.21 | 1918.09 | 1.10 | ppb |
| Thallium | 205-1 | 1938.86 | 1911.99 | 1922.87 | 1924.57 | 0.70 | ppb |
| Tin | 118-1 | 656.83 | 657.56 | 658.53 | 657.64 | 0.13 | ppb |
| Titanium | 47-1 | 198.94 | 192.42 | 196.30 | 195.89 | 1.67 | ppb |
| Uranium | 238-1 | -0.09 | -0.09 | -0.08 | -0.09 | | ppb |
| Vanadium | 51-2 | 309.65 | 309.31 | 313.52 | 310.82 | 0.75 | ppb |
| Yttrium | 89-1 | | | | 100 | | % |
| Yttrium | 89-2 | | | | 75 | | % |
| Zinc | 66-2 | 259.94 | 267.13 | 268.41 | 265.16 | 1.72 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01A | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:38:51 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.20 | 0.19 | 0.17 | 0.19 | 8.76 | ppb |
| Zirconium | 91-1 | 0.41 | 0.32 | 0.36 | 0.36 | 11.97 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:42:09 | DataFile Name : | 053CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 53142.80 | 52232.30 | 51909.41 | 52428.17 | 1.22 | ppb |
| Antimony | 121-1 | 488.53 | 487.55 | 479.19 | 485.09 | 1.06 | ppb |
| Arsenic | 75-1 | 494.95 | 494.30 | 491.12 | 493.46 | 0.42 | ppb |
| Barium | 135-1 | 2499.97 | 2502.70 | 2473.90 | 2492.19 | 0.64 | ppb |
| Barium | 137-1 | 2504.38 | 2509.22 | 2457.40 | 2490.33 | 1.15 | ppb |
| Beryllium | 9-1 | 492.12 | 494.83 | 492.92 | 493.29 | 0.28 | ppb |
| Bismuth | 209-1 | | | | 116 | | % |
| Bismuth | 209-2 | | | | 95 | | % |
| Boron | 10-1 | 500.07 | 516.11 | 524.39 | 513.52 | 2.41 | ppb |
| Boron | 11-1 | 499.12 | 517.63 | 524.40 | 513.72 | 2.55 | ppb |
| Cadmium | 111-1 | 473.11 | 474.63 | 467.86 | 471.87 | 0.75 | ppb |
| Cadmium | 106-1 | 474.23 | 478.86 | 468.75 | 473.94 | 1.07 | ppb |
| Cadmium | 108-1 | 473.37 | 473.71 | 475.99 | 474.35 | 0.30 | ppb |
| Calcium | 43-1 | 242153.63 | 241312.17 | 243831.49 | 242432.43 | 0.53 | ppb |
| Calcium | 44-1 | 243424.20 | 241972.15 | 240609.18 | 242001.84 | 0.58 | ppb |
| Chromium | 52-2 | 533.21 | 525.59 | 521.82 | 526.88 | 1.10 | ppb |
| Cobalt | 59-2 | 532.46 | 516.60 | 520.35 | 523.14 | 1.58 | ppb |
| Copper | 63-2 | 1033.91 | 1010.56 | 1010.12 | 1018.20 | 1.34 | ppb |
| Dysprosium | 156-1 | | | | | | cps |
| Dysprosium | 156-2 | | | | | | cps |
| Erbium | 164-1 | | | | | | cps |
| Erbium | 164-2 | | | | | | cps |
| Gadolinium | 160-1 | | | | | | cps |
| Gadolinium | 160-2 | | | | | | cps |
| Holmium | 165-1 | | | | 114 | | % |
| Holmium | 165-2 | | | | 99 | | % |
| Indium | 115-1 | | | | 95 | | % |
| Indium | 115-2 | | | | 79 | | % |
| Iron | 56-2 | 133598.51 | 130796.53 | 130504.31 | 131633.11 | 1.30 | ppb |
| Iron | 57-2 | 132908.88 | 129895.57 | 132418.14 | 131740.86 | 1.23 | ppb |
| Krypton | 83-1 | 874.07 | 829.94 | 1383.18 | 1029.07 | 29.88 | ppb |
| Lead | 206-1 | 514.94 | 511.73 | 506.60 | 511.09 | 0.82 | ppb |
| Lead | 207-1 | 512.97 | 513.92 | 516.33 | 514.41 | 0.34 | ppb |
| Lead | 208-1 | 512.33 | 511.54 | 510.84 | 511.57 | 0.14 | ppb |
| Lithium | 6-1 | | | | 90 | | % |
| Magnesium | 24-2 | 260336.68 | 256266.01 | 253582.37 | 256728.35 | 1.32 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:42:09 | DataFile Name : | 053CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1053.85 | 1023.48 | 1026.65 | 1034.66 | 1.61 | ppb |
| Molybdenum | 94-1 | 2535.98 | 2545.87 | 2509.92 | 2530.59 | 0.73 | ppb |
| Molybdenum | 95-1 | 2513.31 | 2538.68 | 2520.86 | 2524.28 | 0.52 | ppb |
| Molybdenum | 96-1 | 2527.87 | 2566.28 | 2535.56 | 2543.24 | 0.80 | ppb |
| Molybdenum | 97-1 | 2553.38 | 2561.32 | 2543.65 | 2552.78 | 0.35 | ppb |
| Molybdenum | 98-1 | 2528.90 | 2559.97 | 2534.94 | 2541.27 | 0.65 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | 532.02 | 520.74 | 519.32 | 524.03 | 1.33 | ppb |
| Phosphorus | 31-2 | 10054.49 | 10541.02 | 9567.75 | 10054.42 | 4.84 | ppb |
| Potassium | 39-2 | 128497.69 | 126430.46 | 124701.12 | 126543.09 | 1.50 | ppb |
| Rhodium | 103-1 | | | | 90 | | % |
| Rhodium | 103-2 | | | | 81 | | % |
| Scandium | 45-1 | | | | 85 | | % |
| Scandium | 45-2 | | | | 71 | | % |
| Selenium | 77-2 | 535.69 | 478.33 | 570.42 | 528.15 | 8.81 | ppb |
| Selenium | 78-2 | 505.07 | 507.14 | 490.03 | 500.75 | 1.87 | ppb |
| Selenium | 82-1 | 486.22 | 490.71 | 487.70 | 488.21 | 0.47 | ppb |
| Silicon | 28-1 | 507.67 | 505.75 | 510.64 | 508.02 | 0.48 | ppb |
| Silver | 109-1 | 486.98 | 485.01 | 475.58 | 482.52 | 1.26 | ppb |
| Silver | 107-1 | 480.86 | 483.82 | 476.25 | 480.31 | 0.79 | ppb |
| Sodium | 23-2 | 260229.70 | 254438.83 | 255219.27 | 256629.27 | 1.22 | ppb |
| Strontium | 86-1 | 491.16 | 496.71 | 494.89 | 494.26 | 0.57 | ppb |
| Strontium | 88-1 | 505.25 | 510.14 | 509.48 | 508.29 | 0.52 | ppb |
| Sulfur | 34-1 | 9969.05 | 9968.93 | 9913.00 | 9950.33 | 0.32 | ppb |
| Terbium | 159-1 | | | | 111 | | % |
| Terbium | 159-2 | | | | 97 | | % |
| Thallium | 203-1 | 512.47 | 515.23 | 510.16 | 512.62 | 0.49 | ppb |
| Thallium | 205-1 | 511.08 | 509.37 | 504.01 | 508.15 | 0.73 | ppb |
| Tin | 118-1 | 502.21 | 502.90 | 491.95 | 499.02 | 1.23 | ppb |
| Titanium | 47-1 | 2588.64 | 2542.77 | 2531.03 | 2554.15 | 1.19 | ppb |
| Uranium | 238-1 | 526.94 | 528.38 | 527.93 | 527.75 | 0.14 | ppb |
| Vanadium | 51-2 | 532.68 | 520.17 | 519.64 | 524.16 | 1.41 | ppb |
| Yttrium | 89-1 | | | | 95 | | % |
| Yttrium | 89-2 | | | | 78 | | % |
| Zinc | 66-2 | 1022.03 | 1006.32 | 1004.87 | 1011.07 | 0.94 | ppb |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:42:09 | DataFile Name : | 053CCV.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 499.50 | 506.88 | 505.54 | 503.98 | 0.78 | ppb |
| Zirconium | 91-1 | 510.07 | 511.37 | 507.98 | 509.81 | 0.34 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:45:22 | DataFile Name : | 054CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 2.03 | 1.54 | 0.55 | 1.37 | 54.94 | ppb |
| Antimony | 121-1 | 1.41 | 1.32 | 1.32 | 1.35 | 3.90 | ppb |
| Arsenic | 75-1 | 0.33 | 0.30 | 0.29 | 0.31 | 6.31 | ppb |
| Barium | 135-1 | -0.02 | -0.01 | 0.00 | -0.01 | | ppb |
| Barium | 137-1 | -0.01 | -0.08 | -0.05 | -0.04 | | ppb |
| Beryllium | 9-1 | 0.20 | 0.12 | 0.11 | 0.14 | 33.29 | ppb |
| Bismuth | 209-1 | | | | 127 | | % |
| Bismuth | 209-2 | | | | 104 | | % |
| Boron | 10-1 | 26.75 | 25.54 | 22.62 | 24.97 | 8.50 | ppb |
| Boron | 11-1 | 27.07 | 23.94 | 23.79 | 24.93 | 7.43 | ppb |
| Cadmium | 111-1 | -0.03 | -0.07 | -0.10 | -0.07 | | ppb |
| Cadmium | 106-1 | -0.52 | -0.99 | -1.17 | -0.90 | | ppb |
| Cadmium | 108-1 | -0.02 | -0.02 | 0.10 | 0.02 | 315.43 | ppb |
| Calcium | 43-1 | 5.24 | 10.23 | 6.25 | 7.24 | 36.41 | ppb |
| Calcium | 44-1 | 5.53 | 0.92 | -0.50 | 1.98 | 159.10 | ppb |
| Chromium | 52-2 | 0.01 | -0.12 | 0.06 | -0.02 | | ppb |
| Cobalt | 59-2 | -0.10 | -0.10 | -0.12 | -0.11 | | ppb |
| Copper | 63-2 | 0.12 | 0.12 | 0.05 | 0.10 | 42.69 | 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 | | | | 102 | | % |
| Indium | 115-1 | | | | 104 | | % |
| Indium | 115-2 | | | | 86 | | % |
| Iron | 56-2 | 5.45 | 4.96 | 3.47 | 4.62 | 22.27 | ppb |
| Iron | 57-2 | 6.63 | 3.38 | 2.70 | 4.23 | 49.60 | ppb |
| Krypton | 83-1 | 909.93 | 1286.49 | 930.62 | 1042.35 | 20.31 | ppb |
| Lead | 206-1 | -0.04 | -0.04 | -0.05 | -0.04 | | ppb |
| Lead | 207-1 | -0.05 | -0.04 | -0.06 | -0.05 | | ppb |
| Lead | 208-1 | -0.05 | -0.05 | -0.06 | -0.05 | | ppb |
| Lithium | 6-1 | | | | 100 | | % |
| Magnesium | 24-2 | 4.01 | 1.71 | -1.99 | 1.24 | 243.88 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:45:22 | DataFile Name : | 054CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | -0.10 | -0.15 | -0.11 | -0.12 | | ppb |
| Molybdenum | 94-1 | 0.89 | 0.77 | 0.72 | 0.79 | 10.63 | ppb |
| Molybdenum | 95-1 | 0.92 | 0.89 | 0.72 | 0.84 | 12.41 | ppb |
| Molybdenum | 96-1 | 0.97 | 0.79 | 0.77 | 0.84 | 13.57 | ppb |
| Molybdenum | 97-1 | 0.98 | 0.95 | 0.76 | 0.90 | 12.95 | ppb |
| Molybdenum | 98-1 | 0.92 | 0.79 | 0.67 | 0.80 | 15.95 | ppb |
| Neodymium | 150-1 | | | | | | cps |
| Neodymium | 150-2 | | | | | | cps |
| Nickel | 60-2 | -0.34 | -0.26 | -0.36 | -0.32 | | ppb |
| Phosphorus | 31-2 | -15.90 | 6.41 | -15.90 | -8.47 | | ppb |
| Potassium | 39-2 | 7.15 | -3.86 | -18.83 | -5.18 | | ppb |
| Rhodium | 103-1 | | | | 100 | | % |
| Rhodium | 103-2 | | | | 88 | | % |
| Scandium | 45-1 | | | | 88 | | % |
| Scandium | 45-2 | | | | 72 | | % |
| Selenium | 77-2 | 0.00 | 0.00 | 0.00 | 0.00 | N/A | ppb |
| Selenium | 78-2 | -0.21 | 1.35 | 2.15 | 1.10 | 109.46 | ppb |
| Selenium | 82-1 | 0.42 | 0.73 | 0.56 | 0.57 | 27.30 | ppb |
| Silicon | 28-1 | -12.58 | -13.98 | -13.61 | -13.39 | | ppb |
| Silver | 109-1 | 0.07 | 0.06 | 0.06 | 0.07 | 6.62 | ppb |
| Silver | 107-1 | 0.08 | 0.06 | 0.06 | 0.06 | 15.11 | ppb |
| Sodium | 23-2 | 34.92 | 24.63 | 26.52 | 28.69 | 19.09 | ppb |
| Strontium | 86-1 | -0.03 | 0.00 | 0.00 | -0.01 | | ppb |
| Strontium | 88-1 | 0.04 | 0.03 | 0.03 | 0.03 | 15.95 | ppb |
| Sulfur | 34-1 | -470.27 | -697.72 | -492.61 | -553.53 | | ppb |
| Terbium | 159-1 | | | | 115 | | % |
| Terbium | 159-2 | | | | 101 | | % |
| Thallium | 203-1 | 0.28 | 0.25 | 0.23 | 0.25 | 8.67 | ppb |
| Thallium | 205-1 | 0.26 | 0.24 | 0.26 | 0.25 | 4.41 | ppb |
| Tin | 118-1 | 0.44 | 0.41 | 0.36 | 0.40 | 10.54 | ppb |
| Titanium | 47-1 | 0.09 | 0.11 | 0.05 | 0.08 | 41.37 | ppb |
| Uranium | 238-1 | -0.10 | -0.11 | -0.11 | -0.10 | | ppb |
| Vanadium | 51-2 | -0.03 | -0.04 | -0.05 | -0.04 | | ppb |
| Yttrium | 89-1 | | | | 99 | | % |
| Yttrium | 89-2 | | | | 80 | | % |
| Zinc | 66-2 | -0.02 | -0.22 | -0.17 | -0.14 | | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:45:22 | DataFile Name : | 054CCBE.d |

| Parameter | Mass | ConRep1 | ConRep2 | ConRep3 | Avg. Conc. | ConcRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 0.13 | 0.13 | 0.10 | 0.12 | 14.64 | ppb |
| Zirconium | 91-1 | 0.17 | 0.10 | 0.11 | 0.13 | 30.35 | ppb |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:11:15 | DataFile Name : | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 15 | 10 | 13 | 13 | 20.00 | cps |
| Antimony | 121-1 | 150 | 125 | 117 | 131 | 13.29 | cps |
| Arsenic | 75-1 | 283 | 350 | 267 | 300 | 14.70 | cps |
| Barium | 135-1 | 233 | 233 | 342 | 269 | 23.21 | cps |
| Barium | 137-1 | 608 | 617 | 483 | 569 | 13.12 | cps |
| Beryllium | 9-1 | 339 | 289 | 300 | 309 | 8.49 | cps |
| Bismuth | 209-1 | 5071278 | 4648577 | 5028596 | 4916151 | 4.73 | cps |
| Bismuth | 209-2 | 1417446 | 1397928 | 1437988 | 1417787 | 1.41 | cps |
| Boron | 10-1 | 200 | 150 | 233 | 194 | 21.57 | cps |
| Boron | 11-1 | 1025 | 833 | 725 | 861 | 17.64 | cps |
| Cadmium | 111-1 | 1223 | 1064 | 999 | 1095 | 10.55 | cps |
| Cadmium | 106-1 | 1542 | 1292 | 1242 | 1358 | 11.83 | cps |
| Cadmium | 108-1 | 8 | 4 | 29 | 14 | 96.44 | cps |
| Calcium | 43-1 | 375 | 350 | 450 | 392 | 13.29 | cps |
| Calcium | 44-1 | 14567 | 14458 | 14642 | 14555 | 0.63 | cps |
| Chromium | 52-2 | 657 | 630 | 707 | 664 | 5.86 | cps |
| Cobalt | 59-2 | 297 | 360 | 320 | 326 | 9.84 | cps |
| Copper | 63-2 | 480 | 493 | 480 | 484 | 1.59 | cps |
| Dysprosium | 156-1 | 0 | 17 | 8 | 8 | 100.02 | cps |
| Dysprosium | 156-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Erbium | 164-1 | 17 | 67 | 8 | 31 | 103.26 | cps |
| Erbium | 164-2 | 7 | 10 | 7 | 8 | 24.71 | cps |
| Gadolinium | 160-1 | 58 | 50 | 67 | 58 | 14.29 | cps |
| Gadolinium | 160-2 | 13 | 7 | 7 | 9 | 43.25 | cps |
| Holmium | 165-1 | 7349579 | 6659382 | 7347927 | 7118963 | 5.59 | cps |
| Holmium | 165-2 | 1706057 | 1697045 | 1717857 | 1706986 | 0.61 | cps |
| Indium | 115-1 | 5849419 | 5302700 | 5829619 | 5660579 | 5.48 | cps |
| Indium | 115-2 | 281166 | 279597 | 284123 | 281628 | 0.82 | cps |
| Iron | 56-2 | 1506 | 1295 | 1611 | 1470 | 10.97 | cps |
| Iron | 57-2 | 39 | 56 | 33 | 43 | 27.16 | cps |
| Krypton | 83-1 | 470 | 447 | 463 | 460 | 2.61 | cps |
| Lead | 206-1 | 1083 | 1028 | 1072 | 1061 | 2.77 | cps |
| Lead | 207-1 | 867 | 1045 | 1145 | 1019 | 13.81 | cps |
| Lead | 208-1 | 4412 | 4339 | 4567 | 4439 | 2.62 | cps |
| Lithium | 6-1 | 996262 | 914757 | 999141 | 970053 | 4.94 | cps |
| Magnesium | 24-2 | 542 | 608 | 533 | 561 | 7.33 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:11:15 | DataFile Name : | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 73 | 100 | 70 | 81 | 20.27 | cps |
| Molybdenum | 94-1 | 417 | 392 | 408 | 406 | 3.14 | cps |
| Molybdenum | 95-1 | 483 | 400 | 383 | 422 | 12.69 | cps |
| Molybdenum | 96-1 | 567 | 475 | 508 | 517 | 8.98 | cps |
| Molybdenum | 97-1 | 225 | 258 | 275 | 253 | 10.07 | cps |
| Molybdenum | 98-1 | 583 | 583 | 733 | 633 | 13.67 | cps |
| Neodymium | 150-1 | 0 | 13 | 7 | 7 | 99.98 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 600 | 617 | 530 | 582 | 7.90 | cps |
| Phosphorus | 31-2 | 8 | 17 | 0 | 8 | 100.02 | cps |
| Potassium | 39-2 | 2600 | 2992 | 2759 | 2784 | 7.08 | cps |
| Rhodium | 103-1 | 5549601 | 5046392 | 5574330 | 5390108 | 5.53 | cps |
| Rhodium | 103-2 | 1601238 | 1559747 | 1597847 | 1586278 | 1.45 | cps |
| Scandium | 45-1 | 3388283 | 3115066 | 3391683 | 3298344 | 4.81 | cps |
| Scandium | 45-2 | 28329 | 27758 | 28238 | 28108 | 1.09 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 0 | 2 | 0 | 1 | 173.21 | cps |
| Selenium | 82-1 | -103 | 4 | -53 | -51 | -105.38 | cps |
| Silicon | 28-1 | 231694 | 229106 | 229493 | 230098 | 0.61 | cps |
| Silver | 109-1 | 17 | 50 | 58 | 42 | 52.91 | cps |
| Silver | 107-1 | 92 | 92 | 83 | 89 | 5.41 | cps |
| Sodium | 23-2 | 6018 | 6285 | 6093 | 6132 | 2.24 | cps |
| Strontium | 86-1 | 733 | 650 | 558 | 647 | 13.52 | cps |
| Strontium | 88-1 | 167 | 158 | 167 | 164 | 2.94 | cps |
| Sulfur | 34-1 | 347667 | 343672 | 345360 | 345566 | 0.58 | cps |
| Terbium | 159-1 | 7592721 | 6948787 | 7656752 | 7399420 | 5.29 | cps |
| Terbium | 159-2 | 1663283 | 1655037 | 1666017 | 1661446 | 0.34 | cps |
| Thallium | 203-1 | 608 | 433 | 608 | 550 | 18.37 | cps |
| Thallium | 205-1 | 1408 | 1208 | 1400 | 1339 | 8.45 | cps |
| Tin | 118-1 | 825 | 775 | 858 | 820 | 5.12 | cps |
| Titanium | 47-1 | 142 | 75 | 150 | 122 | 33.64 | cps |
| Uranium | 238-1 | 4118 | 3476 | 3734 | 3776 | 8.55 | cps |
| Vanadium | 51-2 | 27 | 53 | 60 | 47 | 37.79 | cps |
| Yttrium | 89-1 | 5976517 | 5462838 | 5982105 | 5807153 | 5.14 | cps |
| Yttrium | 89-2 | 208321 | 205434 | 207599 | 207118 | 0.73 | cps |
| Zinc | 66-2 | 73 | 140 | 137 | 117 | 32.20 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S0 | Instrumnet Name : | P8 |
| Client Sample ID : | S0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:11:15 | DataFile Name : | 003CALB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 475 | 467 | 558 | 500 | 10.14 | cps |
| Zirconium | 91-1 | 133 | 150 | 75 | 119 | 32.97 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:17:59 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 173 | 180 | 155 | 169 | 7.58 | cps |
| Antimony | 121-1 | 21326 | 20909 | 20491 | 20909 | 2.00 | cps |
| Arsenic | 75-1 | 2892 | 2817 | 3067 | 2925 | 4.39 | cps |
| Barium | 135-1 | 22428 | 21777 | 21961 | 22055 | 1.52 | cps |
| Barium | 137-1 | 39594 | 38382 | 39092 | 39023 | 1.56 | cps |
| Beryllium | 9-1 | 1550 | 1595 | 1589 | 1578 | 1.53 | cps |
| Bismuth | 209-1 | 5205595 | 5124173 | 4880689 | 5070152 | 3.33 | cps |
| Bismuth | 209-2 | 1420976 | 1431793 | 1453518 | 1435429 | 1.15 | cps |
| Boron | 10-1 | 4184 | 4151 | 4167 | 4167 | 0.40 | cps |
| Boron | 11-1 | 20006 | 19981 | 19789 | 19926 | 0.60 | cps |
| Cadmium | 111-1 | 3264 | 3538 | 3340 | 3381 | 4.19 | cps |
| Cadmium | 106-1 | 1659 | 1700 | 1533 | 1631 | 5.32 | cps |
| Cadmium | 108-1 | 217 | 146 | 250 | 204 | 26.06 | cps |
| Calcium | 43-1 | 11730 | 12498 | 12014 | 12081 | 3.21 | cps |
| Calcium | 44-1 | 199353 | 202845 | 203233 | 201810 | 1.06 | cps |
| Chromium | 52-2 | 2780 | 2754 | 2374 | 2636 | 8.63 | cps |
| Cobalt | 59-2 | 2430 | 2280 | 2420 | 2377 | 3.53 | cps |
| Copper | 63-2 | 4194 | 4077 | 4214 | 4162 | 1.77 | cps |
| Dysprosium | 156-1 | 33 | 8 | 17 | 19 | 65.47 | cps |
| Dysprosium | 156-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Erbium | 164-1 | 42 | 50 | 0 | 31 | 87.67 | cps |
| Erbium | 164-2 | 13 | 0 | 3 | 6 | 124.93 | cps |
| Gadolinium | 160-1 | 58 | 42 | 50 | 50 | 16.67 | cps |
| Gadolinium | 160-2 | 3 | 7 | 7 | 6 | 34.70 | cps |
| Holmium | 165-1 | 7514387 | 7299947 | 7050728 | 7288354 | 3.18 | cps |
| Holmium | 165-2 | 1694184 | 1716753 | 1742947 | 1717961 | 1.42 | cps |
| Indium | 115-1 | 5909147 | 5820868 | 5523375 | 5751130 | 3.51 | cps |
| Indium | 115-2 | 280120 | 283503 | 285557 | 283060 | 0.97 | cps |
| Iron | 56-2 | 35295 | 37250 | 34805 | 35783 | 3.61 | cps |
| Iron | 57-2 | 950 | 850 | 794 | 865 | 9.12 | cps |
| Krypton | 83-1 | 350 | 387 | 443 | 393 | 11.96 | cps |
| Lead | 206-1 | 8220 | 7525 | 8092 | 7945 | 4.65 | cps |
| Lead | 207-1 | 7302 | 7575 | 7108 | 7328 | 3.20 | cps |
| Lead | 208-1 | 32834 | 31917 | 32350 | 32367 | 1.42 | cps |
| Lithium | 6-1 | 1013536 | 1015693 | 954929 | 994720 | 3.47 | cps |
| Magnesium | 24-2 | 17937 | 18029 | 16836 | 17601 | 3.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:17:59 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 397 | 343 | 310 | 350 | 12.49 | cps |
| Molybdenum | 94-1 | 17962 | 17579 | 17771 | 17771 | 1.08 | cps |
| Molybdenum | 95-1 | 23171 | 21777 | 23279 | 22742 | 3.69 | cps |
| Molybdenum | 96-1 | 25367 | 25458 | 24164 | 24996 | 2.89 | cps |
| Molybdenum | 97-1 | 14250 | 14133 | 13891 | 14091 | 1.30 | cps |
| Molybdenum | 98-1 | 37051 | 35497 | 36425 | 36324 | 2.15 | cps |
| Neodymium | 150-1 | 20 | 7 | 0 | 9 | 114.55 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 1343 | 1183 | 1157 | 1228 | 8.22 | cps |
| Phosphorus | 31-2 | 8 | 8 | 8 | 8 | 0.00 | cps |
| Potassium | 39-2 | 12731 | 12172 | 12106 | 12337 | 2.79 | cps |
| Rhodium | 103-1 | 5561918 | 5463281 | 5319134 | 5448111 | 2.24 | cps |
| Rhodium | 103-2 | 1591597 | 1607444 | 1616419 | 1605153 | 0.78 | cps |
| Scandium | 45-1 | 3510995 | 3454291 | 3325333 | 3430206 | 2.77 | cps |
| Scandium | 45-2 | 27741 | 28609 | 28369 | 28240 | 1.59 | cps |
| Selenium | 77-2 | 3 | 0 | 13 | 6 | 124.93 | cps |
| Selenium | 78-2 | 13 | 4 | 19 | 12 | 63.84 | cps |
| Selenium | 82-1 | 823 | 785 | 686 | 765 | 9.22 | cps |
| Silicon | 28-1 | 298670 | 298709 | 299999 | 299126 | 0.25 | cps |
| Silver | 109-1 | 11606 | 11647 | 11897 | 11717 | 1.35 | cps |
| Silver | 107-1 | 11414 | 12014 | 12365 | 11931 | 4.03 | cps |
| Sodium | 23-2 | 44445 | 45633 | 44512 | 44863 | 1.49 | cps |
| Strontium | 86-1 | 3542 | 3642 | 3559 | 3581 | 1.50 | cps |
| Strontium | 88-1 | 23454 | 24248 | 24314 | 24005 | 1.99 | cps |
| Sulfur | 34-1 | 351756 | 347141 | 346916 | 348604 | 0.78 | cps |
| Terbium | 159-1 | 7720080 | 7630471 | 7318011 | 7556187 | 2.79 | cps |
| Terbium | 159-2 | 1658696 | 1667695 | 1697681 | 1674691 | 1.22 | cps |
| Thallium | 203-1 | 9062 | 9679 | 9721 | 9487 | 3.89 | cps |
| Thallium | 205-1 | 22863 | 22671 | 21795 | 22443 | 2.54 | cps |
| Tin | 118-1 | 37119 | 38248 | 37362 | 37576 | 1.58 | cps |
| Titanium | 47-1 | 5710 | 6077 | 5685 | 5824 | 3.77 | cps |
| Uranium | 238-1 | 31391 | 31249 | 30622 | 31087 | 1.32 | cps |
| Vanadium | 51-2 | 3831 | 3467 | 3704 | 3667 | 5.03 | cps |
| Yttrium | 89-1 | 6102268 | 6039426 | 5745484 | 5962393 | 3.19 | cps |
| Yttrium | 89-2 | 206963 | 209653 | 209373 | 208663 | 0.71 | cps |
| Zinc | 66-2 | 493 | 440 | 430 | 454 | 7.49 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S2 | Instrumnet Name : | P8 |
| Client Sample ID : | S2 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:17:59 | DataFile Name : | 005CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 14508 | 14442 | 14141 | 14364 | 1.36 | cps |
| Zirconium | 91-1 | 3509 | 3251 | 3417 | 3392 | 3.86 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:22:15 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 7639 | 7864 | 7549 | 7684 | 2.11 | cps |
| Antimony | 121-1 | 528930 | 527682 | 530178 | 528930 | 0.24 | cps |
| Arsenic | 75-1 | 137042 | 136632 | 136983 | 136886 | 0.16 | cps |
| Barium | 135-1 | 566069 | 564737 | 562426 | 564411 | 0.33 | cps |
| Barium | 137-1 | 998619 | 986724 | 998330 | 994558 | 0.68 | cps |
| Beryllium | 9-1 | 71985 | 72209 | 71405 | 71866 | 0.58 | cps |
| Bismuth | 209-1 | 5183225 | 5177627 | 5259694 | 5206849 | 0.88 | cps |
| Bismuth | 209-2 | 1420260 | 1448188 | 1426516 | 1431655 | 1.02 | cps |
| Boron | 10-1 | 8503 | 8019 | 9028 | 8517 | 5.92 | cps |
| Boron | 11-1 | 39572 | 39572 | 40692 | 39945 | 1.62 | cps |
| Cadmium | 111-1 | 124509 | 123536 | 121445 | 123163 | 1.27 | cps |
| Cadmium | 106-1 | 14317 | 13858 | 14433 | 14203 | 2.14 | cps |
| Cadmium | 108-1 | 8732 | 9124 | 8995 | 8950 | 2.23 | cps |
| Calcium | 43-1 | 120480 | 115894 | 118656 | 118343 | 1.95 | cps |
| Calcium | 44-1 | 1951890 | 1929361 | 1947933 | 1943061 | 0.62 | cps |
| Chromium | 52-2 | 49909 | 49778 | 49584 | 49757 | 0.33 | cps |
| Cobalt | 59-2 | 108790 | 109284 | 108478 | 108851 | 0.37 | cps |
| Copper | 63-2 | 189243 | 188634 | 188627 | 188835 | 0.19 | cps |
| Dysprosium | 156-1 | 17 | 8 | 17 | 14 | 34.67 | cps |
| Dysprosium | 156-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Erbium | 164-1 | 8 | 42 | 42 | 31 | 62.99 | cps |
| Erbium | 164-2 | 13 | 3 | 7 | 8 | 65.47 | cps |
| Gadolinium | 160-1 | 67 | 75 | 108 | 83 | 26.46 | cps |
| Gadolinium | 160-2 | 0 | 10 | 7 | 6 | 91.64 | cps |
| Holmium | 165-1 | 7500545 | 7418167 | 7507748 | 7475487 | 0.67 | cps |
| Holmium | 165-2 | 1712724 | 1732150 | 1719294 | 1721389 | 0.57 | cps |
| Indium | 115-1 | 5795359 | 5742565 | 5848055 | 5795326 | 0.91 | cps |
| Indium | 115-2 | 276865 | 278265 | 277033 | 277388 | 0.28 | cps |
| Iron | 56-2 | 1742722 | 1740928 | 1738289 | 1740646 | 0.13 | cps |
| Iron | 57-2 | 43090 | 43491 | 42900 | 43160 | 0.70 | cps |
| Krypton | 83-1 | 443 | 440 | 420 | 434 | 2.91 | cps |
| Lead | 206-1 | 362655 | 363342 | 362860 | 362952 | 0.10 | cps |
| Lead | 207-1 | 326859 | 331003 | 326223 | 328028 | 0.79 | cps |
| Lead | 208-1 | 1477184 | 1489972 | 1480850 | 1482668 | 0.44 | cps |
| Lithium | 6-1 | 1018959 | 1008571 | 1025527 | 1017686 | 0.84 | cps |
| Magnesium | 24-2 | 174686 | 171497 | 172805 | 172996 | 0.93 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:22:15 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 29511 | 29949 | 30313 | 29925 | 1.34 | cps |
| Molybdenum | 94-1 | 916202 | 916079 | 910457 | 914246 | 0.36 | cps |
| Molybdenum | 95-1 | 1121545 | 1119876 | 1113055 | 1118159 | 0.40 | cps |
| Molybdenum | 96-1 | 1248164 | 1244328 | 1231569 | 1241354 | 0.70 | cps |
| Molybdenum | 97-1 | 694291 | 700055 | 696384 | 696910 | 0.42 | cps |
| Molybdenum | 98-1 | 1839840 | 1809115 | 1778854 | 1809269 | 1.69 | cps |
| Neodymium | 150-1 | 53 | 33 | 20 | 36 | 47.20 | cps |
| Neodymium | 150-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Nickel | 60-2 | 32552 | 32622 | 32144 | 32439 | 0.80 | cps |
| Phosphorus | 31-2 | 517 | 558 | 458 | 511 | 9.83 | cps |
| Potassium | 39-2 | 48652 | 49571 | 49438 | 49220 | 1.01 | cps |
| Rhodium | 103-1 | 5526755 | 5418113 | 5567748 | 5504205 | 1.40 | cps |
| Rhodium | 103-2 | 1552682 | 1564401 | 1549568 | 1555550 | 0.50 | cps |
| Scandium | 45-1 | 3378298 | 3353941 | 3470660 | 3400966 | 1.81 | cps |
| Scandium | 45-2 | 26639 | 27724 | 26916 | 27093 | 2.08 | cps |
| Selenium | 77-2 | 67 | 37 | 53 | 52 | 28.78 | cps |
| Selenium | 78-2 | 174 | 180 | 174 | 176 | 1.82 | cps |
| Selenium | 82-1 | 7298 | 7488 | 7219 | 7335 | 1.88 | cps |
| Silicon | 28-1 | 462943 | 465601 | 464830 | 464458 | 0.29 | cps |
| Silver | 109-1 | 561913 | 565389 | 555187 | 560829 | 0.92 | cps |
| Silver | 107-1 | 588490 | 583462 | 588128 | 586693 | 0.48 | cps |
| Sodium | 23-2 | 384611 | 389153 | 384255 | 386006 | 0.71 | cps |
| Strontium | 86-1 | 141695 | 140550 | 140996 | 141080 | 0.41 | cps |
| Strontium | 88-1 | 1223055 | 1215758 | 1209854 | 1216222 | 0.54 | cps |
| Sulfur | 34-1 | 381913 | 386336 | 381110 | 383120 | 0.73 | cps |
| Terbium | 159-1 | 7708245 | 7705594 | 7876927 | 7763589 | 1.26 | cps |
| Terbium | 159-2 | 1649931 | 1670978 | 1679260 | 1666723 | 0.91 | cps |
| Thallium | 203-1 | 445974 | 442481 | 445567 | 444674 | 0.43 | cps |
| Thallium | 205-1 | 1065802 | 1075228 | 1069952 | 1070327 | 0.44 | cps |
| Tin | 118-1 | 368657 | 368362 | 367737 | 368252 | 0.13 | cps |
| Titanium | 47-1 | 287710 | 287942 | 287412 | 287688 | 0.09 | cps |
| Uranium | 238-1 | 1467559 | 1471291 | 1444788 | 1461213 | 0.98 | cps |
| Vanadium | 51-2 | 36000 | 36180 | 36628 | 36269 | 0.89 | cps |
| Yttrium | 89-1 | 6059813 | 5996043 | 6062676 | 6039511 | 0.62 | cps |
| Yttrium | 89-2 | 202750 | 204615 | 202857 | 203407 | 0.51 | cps |
| Zinc | 66-2 | 18359 | 18826 | 18886 | 18691 | 1.54 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S3 | Instrumnet Name : | P8 |
| Client Sample ID : | S3 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:22:15 | DataFile Name : | 006CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 763892 | 753387 | 753143 | 756807 | 0.81 | cps |
| Zirconium | 91-1 | 166860 | 167450 | 167342 | 167217 | 0.19 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:25:59 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 17778 | 18194 | 17448 | 17807 | 2.10 | cps |
| Antimony | 121-1 | 1310286 | 1297818 | 1319333 | 1309146 | 0.83 | cps |
| Arsenic | 75-1 | 330085 | 329299 | 332863 | 330749 | 0.57 | cps |
| Barium | 135-1 | 1389580 | 1379686 | 1381025 | 1383430 | 0.39 | cps |
| Barium | 137-1 | 2460910 | 2418817 | 2466717 | 2448815 | 1.07 | cps |
| Beryllium | 9-1 | 171020 | 171646 | 171201 | 171289 | 0.19 | cps |
| Bismuth | 209-1 | 5304305 | 5364166 | 5204951 | 5291141 | 1.52 | cps |
| Bismuth | 209-2 | 1416164 | 1428357 | 1428395 | 1424305 | 0.50 | cps |
| Boron | 10-1 | 19481 | 19723 | 19280 | 19495 | 1.14 | cps |
| Boron | 11-1 | 93773 | 95625 | 95081 | 94826 | 1.00 | cps |
| Cadmium | 111-1 | 297923 | 295843 | 297088 | 296951 | 0.35 | cps |
| Cadmium | 106-1 | 32774 | 31154 | 31939 | 31956 | 2.54 | cps |
| Cadmium | 108-1 | 21463 | 21284 | 21543 | 21430 | 0.62 | cps |
| Calcium | 43-1 | 280807 | 280601 | 277535 | 279648 | 0.66 | cps |
| Calcium | 44-1 | 4573076 | 4525856 | 4543958 | 4547630 | 0.52 | cps |
| Chromium | 52-2 | 124888 | 123855 | 122618 | 123787 | 0.92 | cps |
| Cobalt | 59-2 | 254628 | 253659 | 251075 | 253121 | 0.73 | cps |
| Copper | 63-2 | 445037 | 439626 | 438197 | 440953 | 0.82 | cps |
| Dysprosium | 156-1 | 58 | 50 | 25 | 44 | 39.04 | cps |
| Dysprosium | 156-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Erbium | 164-1 | 58 | 58 | 25 | 47 | 40.76 | cps |
| Erbium | 164-2 | 0 | 10 | 3 | 4 | 114.60 | cps |
| Gadolinium | 160-1 | 117 | 33 | 83 | 78 | 53.93 | cps |
| Gadolinium | 160-2 | 10 | 13 | 13 | 12 | 15.73 | cps |
| Holmium | 165-1 | 7599293 | 7564711 | 7524118 | 7562707 | 0.50 | cps |
| Holmium | 165-2 | 1722409 | 1715307 | 1709479 | 1715732 | 0.38 | cps |
| Indium | 115-1 | 5828605 | 5794550 | 5789445 | 5804200 | 0.37 | cps |
| Indium | 115-2 | 271319 | 272825 | 270142 | 271429 | 0.50 | cps |
| Iron | 56-2 | 4087495 | 4048321 | 4051392 | 4062403 | 0.54 | cps |
| Iron | 57-2 | 101707 | 101663 | 101540 | 101636 | 0.09 | cps |
| Krypton | 83-1 | 447 | 383 | 393 | 408 | 8.35 | cps |
| Lead | 206-1 | 894062 | 887568 | 904794 | 895475 | 0.97 | cps |
| Lead | 207-1 | 812537 | 811183 | 818562 | 814094 | 0.48 | cps |
| Lead | 208-1 | 3707727 | 3707623 | 3715050 | 3710134 | 0.11 | cps |
| Lithium | 6-1 | 1001832 | 1023709 | 968537 | 998026 | 2.78 | cps |
| Magnesium | 24-2 | 407954 | 401061 | 398353 | 402456 | 1.23 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:25:59 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 69388 | 68125 | 68353 | 68622 | 0.98 | cps |
| Molybdenum | 94-1 | 2241953 | 2215390 | 2238824 | 2232056 | 0.65 | cps |
| Molybdenum | 95-1 | 2750560 | 2764987 | 2785560 | 2767036 | 0.64 | cps |
| Molybdenum | 96-1 | 3052010 | 3018394 | 3068127 | 3046177 | 0.83 | cps |
| Molybdenum | 97-1 | 1720509 | 1735249 | 1739753 | 1731837 | 0.58 | cps |
| Molybdenum | 98-1 | 4377279 | 4378479 | 4465402 | 4407053 | 1.15 | cps |
| Neodymium | 150-1 | 60 | 60 | 67 | 62 | 6.19 | cps |
| Neodymium | 150-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Nickel | 60-2 | 79197 | 78684 | 79287 | 79056 | 0.41 | cps |
| Phosphorus | 31-2 | 1342 | 1258 | 1500 | 1367 | 8.98 | cps |
| Potassium | 39-2 | 114085 | 110599 | 108356 | 111013 | 2.60 | cps |
| Rhodium | 103-1 | 5437100 | 5433906 | 5428159 | 5433055 | 0.08 | cps |
| Rhodium | 103-2 | 1500603 | 1521329 | 1510903 | 1510945 | 0.69 | cps |
| Scandium | 45-1 | 3356163 | 3368453 | 3258385 | 3327667 | 1.81 | cps |
| Scandium | 45-2 | 26258 | 26519 | 25644 | 26140 | 1.72 | cps |
| Selenium | 77-2 | 143 | 97 | 77 | 106 | 32.41 | cps |
| Selenium | 78-2 | 354 | 370 | 344 | 356 | 3.69 | cps |
| Selenium | 82-1 | 17828 | 17848 | 17903 | 17860 | 0.22 | cps |
| Silicon | 28-1 | 791349 | 788171 | 784066 | 787862 | 0.46 | cps |
| Silver | 109-1 | 1351497 | 1352586 | 1362783 | 1355622 | 0.46 | cps |
| Silver | 107-1 | 1426255 | 1422829 | 1429301 | 1426129 | 0.23 | cps |
| Sodium | 23-2 | 895293 | 887462 | 886539 | 889765 | 0.54 | cps |
| Strontium | 86-1 | 341504 | 339029 | 342510 | 341014 | 0.53 | cps |
| Strontium | 88-1 | 2944213 | 2958306 | 2988283 | 2963601 | 0.76 | cps |
| Sulfur | 34-1 | 423602 | 419282 | 417015 | 419966 | 0.80 | cps |
| Terbium | 159-1 | 7785150 | 7887250 | 7761993 | 7811464 | 0.85 | cps |
| Terbium | 159-2 | 1689583 | 1666775 | 1679904 | 1678754 | 0.68 | cps |
| Thallium | 203-1 | 1099486 | 1104496 | 1128397 | 1110793 | 1.39 | cps |
| Thallium | 205-1 | 2691335 | 2667076 | 2727833 | 2695415 | 1.13 | cps |
| Tin | 118-1 | 904738 | 898250 | 911918 | 904969 | 0.76 | cps |
| Titanium | 47-1 | 682915 | 679621 | 681145 | 681227 | 0.24 | cps |
| Uranium | 238-1 | 3691271 | 3676689 | 3717872 | 3695277 | 0.57 | cps |
| Vanadium | 51-2 | 85606 | 84982 | 84751 | 85113 | 0.52 | cps |
| Yttrium | 89-1 | 6025124 | 6048794 | 5991080 | 6021666 | 0.48 | cps |
| Yttrium | 89-2 | 197138 | 196969 | 197519 | 197208 | 0.14 | cps |
| Zinc | 66-2 | 44056 | 43140 | 43505 | 43567 | 1.06 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S4 | Instrumnet Name : | P8 |
| Client Sample ID : | S4 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:25:59 | DataFile Name : | 007CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1882739 | 1866975 | 1880910 | 1876875 | 0.46 | cps |
| Zirconium | 91-1 | 407356 | 407532 | 411742 | 408877 | 0.61 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:29:36 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 32407 | 32788 | 31425 | 32207 | 2.18 | cps |
| Antimony | 121-1 | 2657940 | 2656852 | 2682164 | 2665652 | 0.54 | cps |
| Arsenic | 75-1 | 645707 | 643445 | 641026 | 643393 | 0.36 | cps |
| Barium | 135-1 | 2842595 | 2792386 | 2832346 | 2822442 | 0.94 | cps |
| Barium | 137-1 | 4901936 | 4917049 | 4873387 | 4897457 | 0.45 | cps |
| Beryllium | 9-1 | 331127 | 331833 | 326509 | 329823 | 0.88 | cps |
| Bismuth | 209-1 | 5416777 | 5433502 | 5565018 | 5471766 | 1.48 | cps |
| Bismuth | 209-2 | 1402096 | 1390437 | 1390490 | 1394341 | 0.48 | cps |
| Boron | 10-1 | 36806 | 37751 | 37500 | 37352 | 1.31 | cps |
| Boron | 11-1 | 181670 | 181273 | 182698 | 181880 | 0.40 | cps |
| Cadmium | 111-1 | 593778 | 593372 | 589321 | 592157 | 0.42 | cps |
| Cadmium | 106-1 | 63860 | 62429 | 62070 | 62786 | 1.51 | cps |
| Cadmium | 108-1 | 42547 | 42392 | 42622 | 42520 | 0.28 | cps |
| Calcium | 43-1 | 546288 | 538052 | 531907 | 538749 | 1.34 | cps |
| Calcium | 44-1 | 8780240 | 8656384 | 8605874 | 8680833 | 1.03 | cps |
| Chromium | 52-2 | 351843 | 344732 | 344363 | 346979 | 1.22 | cps |
| Cobalt | 59-2 | 471607 | 466586 | 464778 | 467657 | 0.76 | cps |
| Copper | 63-2 | 823697 | 813577 | 808270 | 815181 | 0.96 | cps |
| Dysprosium | 156-1 | 25 | 58 | 17 | 33 | 66.14 | cps |
| Dysprosium | 156-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Erbium | 164-1 | 25 | 50 | 25 | 33 | 43.30 | cps |
| Erbium | 164-2 | 3 | 3 | 13 | 7 | 86.65 | cps |
| Gadolinium | 160-1 | 75 | 133 | 67 | 92 | 39.63 | cps |
| Gadolinium | 160-2 | 20 | 17 | 13 | 17 | 20.01 | cps |
| Holmium | 165-1 | 7677398 | 7786972 | 7870078 | 7778149 | 1.24 | cps |
| Holmium | 165-2 | 1689020 | 1662187 | 1680008 | 1677072 | 0.81 | cps |
| Indium | 115-1 | 5677273 | 5686433 | 5777350 | 5713685 | 0.97 | cps |
| Indium | 115-2 | 252548 | 251022 | 249567 | 251046 | 0.59 | cps |
| Iron | 56-2 | 7733695 | 7640201 | 7567848 | 7647248 | 1.09 | cps |
| Iron | 57-2 | 196482 | 194842 | 193467 | 194931 | 0.77 | cps |
| Krypton | 83-1 | 337 | 433 | 360 | 377 | 13.39 | cps |
| Lead | 206-1 | 1878270 | 1904106 | 1868087 | 1883487 | 0.99 | cps |
| Lead | 207-1 | 1729704 | 1716550 | 1742534 | 1729596 | 0.75 | cps |
| Lead | 208-1 | 7767091 | 7760105 | 7768510 | 7765235 | 0.06 | cps |
| Lithium | 6-1 | 972414 | 983740 | 1007928 | 988028 | 1.84 | cps |
| Magnesium | 24-2 | 739390 | 743260 | 724210 | 735620 | 1.37 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:29:36 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 129715 | 128722 | 129052 | 129163 | 0.39 | cps |
| Molybdenum | 94-1 | 4440937 | 4412950 | 4386212 | 4413366 | 0.62 | cps |
| Molybdenum | 95-1 | 5468020 | 5523436 | 5421102 | 5470853 | 0.94 | cps |
| Molybdenum | 96-1 | 6054188 | 6093009 | 5997721 | 6048306 | 0.79 | cps |
| Molybdenum | 97-1 | 3474580 | 3485938 | 3446324 | 3468947 | 0.59 | cps |
| Molybdenum | 98-1 | 8811892 | 8873510 | 8639119 | 8774840 | 1.38 | cps |
| Neodymium | 150-1 | 113 | 87 | 147 | 116 | 26.01 | cps |
| Neodymium | 150-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Nickel | 60-2 | 195285 | 191105 | 191922 | 192771 | 1.15 | cps |
| Phosphorus | 31-2 | 2300 | 2109 | 2125 | 2178 | 4.88 | cps |
| Potassium | 39-2 | 198286 | 194889 | 192491 | 195222 | 1.49 | cps |
| Rhodium | 103-1 | 5253511 | 5318897 | 5407033 | 5326480 | 1.45 | cps |
| Rhodium | 103-2 | 1441962 | 1423703 | 1422036 | 1429233 | 0.77 | cps |
| Scandium | 45-1 | 3205343 | 3187603 | 3199075 | 3197340 | 0.28 | cps |
| Scandium | 45-2 | 23891 | 23286 | 22966 | 23381 | 2.01 | cps |
| Selenium | 77-2 | 187 | 167 | 223 | 192 | 14.95 | cps |
| Selenium | 78-2 | 667 | 630 | 674 | 657 | 3.63 | cps |
| Selenium | 82-1 | 35032 | 34802 | 34052 | 34629 | 1.48 | cps |
| Silicon | 28-1 | 1208840 | 1210841 | 1202124 | 1207268 | 0.38 | cps |
| Silver | 109-1 | 2759384 | 2765642 | 2709358 | 2744795 | 1.12 | cps |
| Silver | 107-1 | 2893027 | 2873101 | 2870629 | 2878919 | 0.43 | cps |
| Sodium | 23-2 | 1628600 | 1644307 | 1625133 | 1632680 | 0.63 | cps |
| Strontium | 86-1 | 673539 | 671252 | 662686 | 669159 | 0.86 | cps |
| Strontium | 88-1 | 5781632 | 5798486 | 5747725 | 5775948 | 0.45 | cps |
| Sulfur | 34-1 | 472315 | 469188 | 465152 | 468885 | 0.77 | cps |
| Terbium | 159-1 | 7858728 | 7873579 | 8192992 | 7975100 | 2.37 | cps |
| Terbium | 159-2 | 1633672 | 1635894 | 1622253 | 1630606 | 0.45 | cps |
| Thallium | 203-1 | 2320870 | 2340604 | 2345408 | 2335627 | 0.56 | cps |
| Thallium | 205-1 | 5563127 | 5610847 | 5554227 | 5576067 | 0.55 | cps |
| Tin | 118-1 | 1845460 | 1843003 | 1802819 | 1830427 | 1.31 | cps |
| Titanium | 47-1 | 1330052 | 1335608 | 1303829 | 1323163 | 1.28 | cps |
| Uranium | 238-1 | 7690614 | 7802120 | 7789205 | 7760647 | 0.79 | cps |
| Vanadium | 51-2 | 156398 | 155761 | 153511 | 155224 | 0.98 | cps |
| Yttrium | 89-1 | 5854337 | 5882393 | 5912442 | 5883057 | 0.49 | cps |
| Yttrium | 89-2 | 183139 | 181478 | 180512 | 181710 | 0.73 | cps |
| Zinc | 66-2 | 81310 | 80046 | 79667 | 80341 | 1.07 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S5 | Instrumnet Name : | P8 |
| Client Sample ID : | S5 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:29:36 | DataFile Name : | 008CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 3681681 | 3657420 | 3650230 | 3663110 | 0.45 | cps |
| Zirconium | 91-1 | 805794 | 808086 | 802595 | 805492 | 0.34 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:33:08 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 59799 | 59222 | 57602 | 58875 | 1.93 | cps |
| Antimony | 121-1 | 5249559 | 5165139 | 5171670 | 5195456 | 0.90 | cps |
| Arsenic | 75-1 | 1218902 | 1210217 | 1211685 | 1213601 | 0.38 | cps |
| Barium | 135-1 | 5501528 | 5485505 | 5473244 | 5486759 | 0.26 | cps |
| Barium | 137-1 | 9636816 | 9628203 | 9567487 | 9610835 | 0.39 | cps |
| Beryllium | 9-1 | 615805 | 618585 | 611017 | 615136 | 0.62 | cps |
| Bismuth | 209-1 | 5549207 | 5556960 | 5537108 | 5547758 | 0.18 | cps |
| Bismuth | 209-2 | 1368811 | 1366984 | 1362465 | 1366086 | 0.24 | cps |
| Boron | 10-1 | 69209 | 70079 | 69870 | 69719 | 0.65 | cps |
| Boron | 11-1 | 344089 | 348456 | 348132 | 346892 | 0.70 | cps |
| Cadmium | 111-1 | 1159893 | 1150998 | 1148471 | 1153121 | 0.52 | cps |
| Cadmium | 106-1 | 120057 | 119534 | 119863 | 119818 | 0.22 | cps |
| Cadmium | 108-1 | 83066 | 82932 | 82417 | 82805 | 0.41 | cps |
| Calcium | 43-1 | 1006542 | 1009409 | 996868 | 1004273 | 0.65 | cps |
| Calcium | 44-1 | 16320303 | 16233770 | 15979322 | 16177798 | 1.10 | cps |
| Chromium | 52-2 | 384185 | 382977 | 376339 | 381167 | 1.11 | cps |
| Cobalt | 59-2 | 850553 | 850170 | 841483 | 847402 | 0.61 | cps |
| Copper | 63-2 | 1489378 | 1482602 | 1466831 | 1479603 | 0.78 | cps |
| Dysprosium | 156-1 | 100 | 83 | 108 | 97 | 13.09 | cps |
| Dysprosium | 156-2 | 0 | 7 | 7 | 4 | 86.60 | cps |
| Erbium | 164-1 | 42 | 33 | 17 | 31 | 41.66 | cps |
| Erbium | 164-2 | 13 | 7 | 10 | 10 | 33.30 | cps |
| Gadolinium | 160-1 | 75 | 108 | 108 | 97 | 19.80 | cps |
| Gadolinium | 160-2 | 17 | 7 | 13 | 12 | 41.65 | cps |
| Holmium | 165-1 | 7888953 | 7748603 | 7890418 | 7842658 | 1.04 | cps |
| Holmium | 165-2 | 1651868 | 1625962 | 1636044 | 1637958 | 0.80 | cps |
| Indium | 115-1 | 5606761 | 5480412 | 5608507 | 5565227 | 1.32 | cps |
| Indium | 115-2 | 234176 | 232613 | 230280 | 232356 | 0.84 | cps |
| Iron | 56-2 | 13398859 | 13470322 | 13160591 | 13343257 | 1.22 | cps |
| Iron | 57-2 | 336900 | 339363 | 334343 | 336869 | 0.75 | cps |
| Krypton | 83-1 | 390 | 447 | 337 | 391 | 14.06 | cps |
| Lead | 206-1 | 3883716 | 3871518 | 3906105 | 3887113 | 0.45 | cps |
| Lead | 207-1 | 3547918 | 3589576 | 3566874 | 3568123 | 0.58 | cps |
| Lead | 208-1 | 15811933 | 15984413 | 15909792 | 15902046 | 0.54 | cps |
| Lithium | 6-1 | 945025 | 935321 | 942531 | 940959 | 0.54 | cps |
| Magnesium | 24-2 | 1365324 | 1370162 | 1366858 | 1367448 | 0.18 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:33:08 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 227186 | 227119 | 224140 | 226148 | 0.77 | cps |
| Molybdenum | 94-1 | 8405604 | 8388613 | 8275634 | 8356617 | 0.85 | cps |
| Molybdenum | 95-1 | 10389825 | 10401397 | 10311955 | 10367725 | 0.47 | cps |
| Molybdenum | 96-1 | 11612690 | 11529351 | 11484675 | 11542239 | 0.56 | cps |
| Molybdenum | 97-1 | 6566414 | 6529401 | 6501853 | 6532556 | 0.50 | cps |
| Molybdenum | 98-1 | 16896088 | 16836792 | 16669712 | 16800864 | 0.70 | cps |
| Neodymium | 150-1 | 173 | 260 | 280 | 238 | 23.85 | cps |
| Neodymium | 150-2 | 3 | 13 | 3 | 7 | 86.65 | cps |
| Nickel | 60-2 | 252164 | 252673 | 248291 | 251043 | 0.95 | cps |
| Phosphorus | 31-2 | 4117 | 4142 | 4117 | 4126 | 0.35 | cps |
| Potassium | 39-2 | 347424 | 344627 | 339093 | 343715 | 1.23 | cps |
| Rhodium | 103-1 | 5165468 | 5069798 | 5105064 | 5113443 | 0.95 | cps |
| Rhodium | 103-2 | 1347800 | 1334829 | 1334365 | 1338998 | 0.57 | cps |
| Scandium | 45-1 | 2985794 | 2915226 | 2912952 | 2937991 | 1.41 | cps |
| Scandium | 45-2 | 21256 | 21810 | 21056 | 21374 | 1.83 | cps |
| Selenium | 77-2 | 377 | 347 | 403 | 376 | 7.55 | cps |
| Selenium | 78-2 | 1172 | 1191 | 1269 | 1211 | 4.22 | cps |
| Selenium | 82-1 | 67164 | 66469 | 66781 | 66805 | 0.52 | cps |
| Silicon | 28-1 | 1981258 | 1955830 | 1944751 | 1960613 | 0.95 | cps |
| Silver | 109-1 | 5267461 | 5205285 | 5213647 | 5228798 | 0.65 | cps |
| Silver | 107-1 | 5481928 | 5433052 | 5417621 | 5444200 | 0.62 | cps |
| Sodium | 23-2 | 2958406 | 2956197 | 2922320 | 2945641 | 0.69 | cps |
| Strontium | 86-1 | 1295721 | 1277553 | 1288062 | 1287112 | 0.71 | cps |
| Strontium | 88-1 | 11073214 | 10980103 | 10991786 | 11015035 | 0.46 | cps |
| Sulfur | 34-1 | 569599 | 568766 | 557059 | 565141 | 1.24 | cps |
| Terbium | 159-1 | 8032068 | 7875639 | 7978931 | 7962213 | 1.00 | cps |
| Terbium | 159-2 | 1588008 | 1591904 | 1573756 | 1584556 | 0.60 | cps |
| Thallium | 203-1 | 4745730 | 4806998 | 4770471 | 4774400 | 0.65 | cps |
| Thallium | 205-1 | 11423993 | 11399053 | 11401456 | 11408167 | 0.12 | cps |
| Tin | 118-1 | 3630601 | 3596130 | 3606433 | 3611055 | 0.49 | cps |
| Titanium | 47-1 | 2483802 | 2440091 | 2447866 | 2457253 | 0.95 | cps |
| Uranium | 238-1 | 16101209 | 16324500 | 16355977 | 16260562 | 0.85 | cps |
| Vanadium | 51-2 | 281697 | 283163 | 275761 | 280207 | 1.40 | cps |
| Yttrium | 89-1 | 5676350 | 5585735 | 5633426 | 5631837 | 0.80 | cps |
| Yttrium | 89-2 | 169237 | 167730 | 165209 | 167392 | 1.22 | cps |
| Zinc | 66-2 | 145223 | 145839 | 143786 | 144950 | 0.73 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S6 | Instrumnet Name : | P8 |
| Client Sample ID : | S6 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:33:08 | DataFile Name : | 009CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 7006948 | 6990178 | 6966478 | 6987868 | 0.29 | cps |
| Zirconium | 91-1 | 1586166 | 1571602 | 1558101 | 1571956 | 0.89 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:36:36 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 112177 | 113908 | 113840 | 113309 | 0.87 | cps |
| Antimony | 121-1 | 10175003 | 10278737 | 10221742 | 10225161 | 0.51 | cps |
| Arsenic | 75-1 | 2384627 | 2366656 | 2359528 | 2370270 | 0.55 | cps |
| Barium | 135-1 | 10839934 | 10868580 | 10879713 | 10862742 | 0.19 | cps |
| Barium | 137-1 | 19186715 | 19023831 | 19056126 | 19088891 | 0.45 | cps |
| Beryllium | 9-1 | 1200099 | 1184098 | 1190465 | 1191554 | 0.68 | cps |
| Bismuth | 209-1 | 5613319 | 5634061 | 5663342 | 5636907 | 0.45 | cps |
| Bismuth | 209-2 | 1345326 | 1345149 | 1343459 | 1344644 | 0.08 | cps |
| Boron | 10-1 | 134634 | 136107 | 138605 | 136449 | 1.47 | cps |
| Boron | 11-1 | 661445 | 675503 | 680810 | 672586 | 1.49 | cps |
| Cadmium | 111-1 | 2287416 | 2249900 | 2280845 | 2272720 | 0.88 | cps |
| Cadmium | 106-1 | 234362 | 234800 | 232879 | 234013 | 0.43 | cps |
| Cadmium | 108-1 | 160500 | 160676 | 160128 | 160435 | 0.17 | cps |
| Calcium | 43-1 | 1933888 | 1910664 | 1960827 | 1935127 | 1.30 | cps |
| Calcium | 44-1 | 31289485 | 31002579 | 31348670 | 31213578 | 0.59 | cps |
| Chromium | 52-2 | 730407 | 730864 | 733864 | 731712 | 0.26 | cps |
| Cobalt | 59-2 | 1649185 | 1627062 | 1644594 | 1640280 | 0.71 | cps |
| Copper | 63-2 | 2867423 | 2850807 | 2848683 | 2855638 | 0.36 | cps |
| Dysprosium | 156-1 | 175 | 167 | 200 | 181 | 9.61 | cps |
| Dysprosium | 156-2 | 23 | 20 | 17 | 20 | 16.65 | cps |
| Erbium | 164-1 | 33 | 50 | 100 | 61 | 56.78 | cps |
| Erbium | 164-2 | 3 | 3 | 10 | 6 | 69.34 | cps |
| Gadolinium | 160-1 | 167 | 192 | 167 | 175 | 8.25 | cps |
| Gadolinium | 160-2 | 27 | 27 | 37 | 30 | 19.24 | cps |
| Holmium | 165-1 | 7841103 | 7811488 | 7954984 | 7869192 | 0.96 | cps |
| Holmium | 165-2 | 1638339 | 1627758 | 1622820 | 1629639 | 0.49 | cps |
| Indium | 115-1 | 5384839 | 5435241 | 5376478 | 5398853 | 0.59 | cps |
| Indium | 115-2 | 222270 | 223958 | 221729 | 222652 | 0.52 | cps |
| Iron | 56-2 | 25608499 | 25638119 | 25625114 | 25623911 | 0.06 | cps |
| Iron | 57-2 | 652664 | 649963 | 648077 | 650235 | 0.35 | cps |
| Krypton | 83-1 | 377 | 320 | 437 | 378 | 15.44 | cps |
| Lead | 206-1 | 7791760 | 7714462 | 7742026 | 7749416 | 0.51 | cps |
| Lead | 207-1 | 7053076 | 7096254 | 7090895 | 7080075 | 0.33 | cps |
| Lead | 208-1 | 31794163 | 31789267 | 31738136 | 31773855 | 0.10 | cps |
| Lithium | 6-1 | 915063 | 913864 | 918280 | 915736 | 0.25 | cps |
| Magnesium | 24-2 | 2637693 | 2598811 | 2623164 | 2619890 | 0.75 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:36:36 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 431725 | 434689 | 435435 | 433950 | 0.45 | cps |
| Molybdenum | 94-1 | 16383815 | 16443034 | 16421852 | 16416234 | 0.18 | cps |
| Molybdenum | 95-1 | 20246258 | 20150701 | 20211967 | 20202975 | 0.24 | cps |
| Molybdenum | 96-1 | 22663102 | 22435247 | 22428344 | 22508898 | 0.59 | cps |
| Molybdenum | 97-1 | 12881338 | 12788002 | 12703545 | 12790961 | 0.70 | cps |
| Molybdenum | 98-1 | 33226801 | 32940651 | 32718866 | 32962106 | 0.77 | cps |
| Neodymium | 150-1 | 460 | 473 | 567 | 500 | 11.62 | cps |
| Neodymium | 150-2 | 10 | 23 | 10 | 14 | 53.28 | cps |
| Nickel | 60-2 | 478622 | 478055 | 477852 | 478176 | 0.08 | cps |
| Phosphorus | 31-2 | 7611 | 8044 | 7444 | 7700 | 4.03 | cps |
| Potassium | 39-2 | 657403 | 656798 | 664468 | 659557 | 0.65 | cps |
| Rhodium | 103-1 | 4890054 | 4972442 | 4936628 | 4933041 | 0.84 | cps |
| Rhodium | 103-2 | 1300592 | 1300821 | 1300378 | 1300597 | 0.02 | cps |
| Scandium | 45-1 | 2874023 | 2898763 | 2887632 | 2886806 | 0.43 | cps |
| Scandium | 45-2 | 20912 | 20689 | 20906 | 20836 | 0.61 | cps |
| Selenium | 77-2 | 590 | 643 | 613 | 616 | 4.34 | cps |
| Selenium | 78-2 | 2276 | 2380 | 2243 | 2300 | 3.11 | cps |
| Selenium | 82-1 | 128847 | 128390 | 128054 | 128431 | 0.31 | cps |
| Silicon | 28-1 | 3407069 | 3393328 | 3404392 | 3401596 | 0.21 | cps |
| Silver | 109-1 | 10047116 | 10047936 | 10099003 | 10064685 | 0.30 | cps |
| Silver | 107-1 | 10571132 | 10476213 | 10424166 | 10490504 | 0.71 | cps |
| Sodium | 23-2 | 5643126 | 5642948 | 5632818 | 5639631 | 0.10 | cps |
| Strontium | 86-1 | 2515074 | 2519685 | 2524078 | 2519612 | 0.18 | cps |
| Strontium | 88-1 | 21423696 | 21390089 | 21437279 | 21417021 | 0.11 | cps |
| Sulfur | 34-1 | 807349 | 806086 | 803799 | 805745 | 0.22 | cps |
| Terbium | 159-1 | 8084379 | 7990434 | 8132408 | 8069074 | 0.89 | cps |
| Terbium | 159-2 | 1581541 | 1592783 | 1554890 | 1576405 | 1.23 | cps |
| Thallium | 203-1 | 9468952 | 9410924 | 9485640 | 9455172 | 0.41 | cps |
| Thallium | 205-1 | 22990731 | 22722624 | 22864686 | 22859347 | 0.59 | cps |
| Tin | 118-1 | 6990936 | 6960481 | 6972409 | 6974609 | 0.22 | cps |
| Titanium | 47-1 | 4695189 | 4661401 | 4648424 | 4668338 | 0.52 | cps |
| Uranium | 238-1 | 33429229 | 33271161 | 33317287 | 33339226 | 0.24 | cps |
| Vanadium | 51-2 | 540423 | 541811 | 543884 | 542039 | 0.32 | cps |
| Yttrium | 89-1 | 5500572 | 5540018 | 5582131 | 5540907 | 0.74 | cps |
| Yttrium | 89-2 | 162122 | 163967 | 163589 | 163226 | 0.60 | cps |
| Zinc | 66-2 | 274692 | 274453 | 276231 | 275125 | 0.35 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S7 | Instrumnet Name : | P8 |
| Client Sample ID : | S7 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:36:36 | DataFile Name : | 010CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 13639658 | 13696348 | 13701960 | 13679322 | 0.25 | cps |
| Zirconium | 91-1 | 3062117 | 3054333 | 3037479 | 3051309 | 0.41 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:40:02 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 647476 | 648148 | 652976 | 649533 | 0.46 | cps |
| Antimony | 121-1 | 29133 | 27555 | 26786 | 27824 | 4.30 | cps |
| Arsenic | 75-1 | 3634 | 3801 | 3742 | 3726 | 2.27 | cps |
| Barium | 135-1 | 2725 | 2967 | 2959 | 2884 | 4.76 | cps |
| Barium | 137-1 | 4901 | 5376 | 4893 | 5057 | 5.47 | cps |
| Beryllium | 9-1 | 794 | 1006 | 739 | 846 | 16.62 | cps |
| Bismuth | 209-1 | 5225787 | 5137267 | 5242852 | 5201969 | 1.09 | cps |
| Bismuth | 209-2 | 1280532 | 1256691 | 1274741 | 1270655 | 0.98 | cps |
| Boron | 10-1 | 7277 | 6218 | 5610 | 6368 | 13.25 | cps |
| Boron | 11-1 | 33841 | 31168 | 29515 | 31508 | 6.93 | cps |
| Cadmium | 111-1 | 1135 | 1308 | 1376 | 1273 | 9.76 | cps |
| Cadmium | 106-1 | 1100 | 1200 | 1342 | 1214 | 10.00 | cps |
| Cadmium | 108-1 | 63 | 46 | 38 | 49 | 26.19 | cps |
| Calcium | 43-1 | 9937227 | 10099620 | 10191117 | 10075988 | 1.28 | cps |
| Calcium | 44-1 | 162034895 | 163757812 | 165066254 | 163619654 | 0.93 | cps |
| Chromium | 52-2 | 43855 | 44548 | 44718 | 44374 | 1.03 | cps |
| Cobalt | 59-2 | 22579 | 22268 | 23360 | 22735 | 2.47 | cps |
| Copper | 63-2 | 7529 | 7455 | 7425 | 7470 | 0.71 | cps |
| Dysprosium | 156-1 | 75 | 108 | 142 | 108 | 30.77 | cps |
| Dysprosium | 156-2 | 30 | 20 | 10 | 20 | 50.00 | cps |
| Erbium | 164-1 | 67 | 58 | 42 | 56 | 22.91 | cps |
| Erbium | 164-2 | 10 | 7 | 13 | 10 | 33.30 | cps |
| Gadolinium | 160-1 | 108 | 125 | 192 | 142 | 31.13 | cps |
| Gadolinium | 160-2 | 27 | 20 | 23 | 23 | 14.29 | cps |
| Holmium | 165-1 | 7834876 | 7653609 | 7719650 | 7736045 | 1.19 | cps |
| Holmium | 165-2 | 1659349 | 1645249 | 1675869 | 1660156 | 0.92 | cps |
| Indium | 115-1 | 5532192 | 5390747 | 5515373 | 5479437 | 1.41 | cps |
| Indium | 115-2 | 243924 | 238091 | 243118 | 241711 | 1.31 | cps |
| Iron | 56-2 | 138284939 | 138801073 | 139357534 | 138814515 | 0.39 | cps |
| Iron | 57-2 | 3584856 | 3565899 | 3598151 | 3582969 | 0.45 | cps |
| Krypton | 83-1 | 403 | 407 | 390 | 400 | 2.21 | cps |
| Lead | 206-1 | 7869 | 7864 | 7308 | 7680 | 4.20 | cps |
| Lead | 207-1 | 6791 | 6869 | 6780 | 6813 | 0.71 | cps |
| Lead | 208-1 | 30721 | 31366 | 30977 | 31021 | 1.05 | cps |
| Lithium | 6-1 | 911311 | 904582 | 915884 | 910593 | 0.62 | cps |
| Magnesium | 24-2 | 14094951 | 14128131 | 14209588 | 14144223 | 0.42 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:40:02 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 3854 | 3857 | 3837 | 3849 | 0.28 | cps |
| Molybdenum | 94-1 | 24055 | 24256 | 22703 | 23672 | 3.57 | cps |
| Molybdenum | 95-1 | 38305 | 38489 | 37745 | 38180 | 1.01 | cps |
| Molybdenum | 96-1 | 44139 | 42551 | 42359 | 43016 | 2.27 | cps |
| Molybdenum | 97-1 | 25350 | 23739 | 22787 | 23958 | 5.41 | cps |
| Molybdenum | 98-1 | 61892 | 61967 | 60452 | 61437 | 1.39 | cps |
| Neodymium | 150-1 | 80 | 60 | 140 | 93 | 44.61 | cps |
| Neodymium | 150-2 | 23 | 13 | 13 | 17 | 34.65 | cps |
| Nickel | 60-2 | 23126 | 22919 | 23680 | 23242 | 1.69 | cps |
| Phosphorus | 31-2 | 8 | 42 | 8 | 19 | 99.00 | cps |
| Potassium | 39-2 | 3762082 | 3733838 | 3770461 | 3755460 | 0.51 | cps |
| Rhodium | 103-1 | 4820130 | 4716315 | 4795861 | 4777435 | 1.14 | cps |
| Rhodium | 103-2 | 1314135 | 1302293 | 1323157 | 1313195 | 0.80 | cps |
| Scandium | 45-1 | 2984798 | 2937837 | 2974629 | 2965755 | 0.83 | cps |
| Scandium | 45-2 | 23299 | 22839 | 23376 | 23172 | 1.25 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 6 | 4 | 2 | 4 | 50.09 | cps |
| Selenium | 82-1 | 53 | 50 | 103 | 69 | 42.76 | cps |
| Silicon | 28-1 | 243879 | 247505 | 247972 | 246452 | 0.91 | cps |
| Silver | 109-1 | 1542 | 1400 | 1300 | 1414 | 8.59 | cps |
| Silver | 107-1 | 1525 | 1358 | 1333 | 1406 | 7.41 | cps |
| Sodium | 23-2 | 31046086 | 30958169 | 31339034 | 31114430 | 0.64 | cps |
| Strontium | 86-1 | 12181 | 13499 | 12581 | 12754 | 5.30 | cps |
| Strontium | 88-1 | 104792 | 104456 | 105179 | 104809 | 0.35 | cps |
| Sulfur | 34-1 | 290811 | 295804 | 301109 | 295908 | 1.74 | cps |
| Terbium | 159-1 | 7971613 | 7751778 | 7890136 | 7871176 | 1.41 | cps |
| Terbium | 159-2 | 1617387 | 1571452 | 1610448 | 1599762 | 1.55 | cps |
| Thallium | 203-1 | 5201 | 4826 | 4426 | 4818 | 8.05 | cps |
| Thallium | 205-1 | 11639 | 10939 | 10713 | 11097 | 4.35 | cps |
| Tin | 118-1 | 17487 | 17287 | 17445 | 17407 | 0.61 | cps |
| Titanium | 47-1 | 1425 | 1717 | 1617 | 1586 | 9.34 | cps |
| Uranium | 238-1 | 6577 | 6419 | 6269 | 6421 | 2.40 | cps |
| Vanadium | 51-2 | 343 | 387 | 253 | 328 | 20.75 | cps |
| Yttrium | 89-1 | 5611066 | 5540926 | 5645843 | 5599278 | 0.95 | cps |
| Yttrium | 89-2 | 178841 | 178059 | 180455 | 179118 | 0.68 | cps |
| Zinc | 66-2 | 2574 | 2530 | 2234 | 2446 | 7.57 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | S8 | Instrumnet Name : | P8 |
| Client Sample ID : | S8 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 12:40:02 | DataFile Name : | 011CALS.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 5518 | 5651 | 5435 | 5535 | 1.98 | cps |
| Zirconium | 91-1 | 1383 | 1108 | 1225 | 1239 | 11.14 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:03:47 | DataFile Name : | 012ICV01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 3269 | 3154 | 3216 | 3213 | 1.79 | cps |
| Antimony | 121-1 | 2061046 | 2075524 | 2055985 | 2064185 | 0.49 | cps |
| Arsenic | 75-1 | 494475 | 496690 | 497304 | 496156 | 0.30 | cps |
| Barium | 135-1 | 216434 | 215399 | 215893 | 215909 | 0.24 | cps |
| Barium | 137-1 | 381829 | 379521 | 383132 | 381494 | 0.48 | cps |
| Beryllium | 9-1 | 127801 | 129292 | 130385 | 129159 | 1.00 | cps |
| Bismuth | 209-1 | 5581790 | 5570347 | 5625687 | 5592608 | 0.52 | cps |
| Bismuth | 209-2 | 1423725 | 1355545 | 1419511 | 1399594 | 2.73 | cps |
| Boron | 10-1 | 69092 | 72651 | 73681 | 71808 | 3.35 | cps |
| Boron | 11-1 | 338975 | 354649 | 360300 | 351308 | 3.14 | cps |
| Cadmium | 111-1 | 238748 | 237114 | 239842 | 238568 | 0.58 | cps |
| Cadmium | 106-1 | 39066 | 39133 | 40971 | 39723 | 2.72 | cps |
| Cadmium | 108-1 | 21313 | 22239 | 20975 | 21509 | 3.04 | cps |
| Calcium | 43-1 | 47330 | 45517 | 45517 | 46121 | 2.27 | cps |
| Calcium | 44-1 | 738125 | 729101 | 732830 | 733352 | 0.62 | cps |
| Chromium | 52-2 | 83678 | 82766 | 82870 | 83105 | 0.60 | cps |
| Cobalt | 59-2 | 191002 | 190857 | 190381 | 190747 | 0.17 | cps |
| Copper | 63-2 | 167957 | 165521 | 166254 | 166577 | 0.75 | cps |
| Dysprosium | 156-1 | 8 | 42 | 33 | 28 | 62.46 | cps |
| Dysprosium | 156-2 | 3 | 3 | 0 | 2 | 86.60 | cps |
| Erbium | 164-1 | 100 | 58 | 108 | 89 | 30.13 | cps |
| Erbium | 164-2 | 17 | 7 | 10 | 11 | 45.82 | cps |
| Gadolinium | 160-1 | 117 | 50 | 100 | 89 | 39.03 | cps |
| Gadolinium | 160-2 | 10 | 3 | 17 | 10 | 66.70 | cps |
| Holmium | 165-1 | 7831535 | 7859653 | 7956036 | 7882408 | 0.83 | cps |
| Holmium | 165-2 | 1730058 | 1648326 | 1699729 | 1692704 | 2.44 | cps |
| Indium | 115-1 | 5826816 | 5788112 | 5806165 | 5807031 | 0.33 | cps |
| Indium | 115-2 | 261078 | 246079 | 254099 | 253752 | 2.96 | cps |
| Iron | 56-2 | 602579 | 594450 | 590666 | 595898 | 1.02 | cps |
| Iron | 57-2 | 15715 | 15031 | 15237 | 15327 | 2.29 | cps |
| Krypton | 83-1 | 360 | 413 | 427 | 400 | 8.82 | cps |
| Lead | 206-1 | 1480076 | 1500879 | 1507949 | 1496301 | 0.97 | cps |
| Lead | 207-1 | 1305556 | 1315807 | 1317523 | 1312962 | 0.49 | cps |
| Lead | 208-1 | 6052977 | 6133493 | 6161529 | 6116000 | 0.92 | cps |
| Lithium | 6-1 | 1029666 | 1018703 | 1029640 | 1026003 | 0.62 | cps |
| Magnesium | 24-2 | 37016 | 36958 | 36088 | 36687 | 1.42 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:03:47 | DataFile Name : | 012ICV01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 24946 | 25083 | 24619 | 24882 | 0.96 | cps |
| Molybdenum | 94-1 | 3794564 | 3852789 | 3829559 | 3825637 | 0.77 | cps |
| Molybdenum | 95-1 | 2185644 | 2173639 | 2167848 | 2175710 | 0.42 | cps |
| Molybdenum | 96-1 | 2779843 | 2736243 | 2723129 | 2746405 | 1.08 | cps |
| Molybdenum | 97-1 | 1320772 | 1316785 | 1327080 | 1321546 | 0.39 | cps |
| Molybdenum | 98-1 | 3463777 | 3454334 | 3477079 | 3465063 | 0.33 | cps |
| Neodymium | 150-1 | 7 | 7 | 20 | 11 | 69.25 | cps |
| Neodymium | 150-2 | 0 | 0 | 7 | 2 | 173.21 | cps |
| Nickel | 60-2 | 57143 | 56728 | 56410 | 56761 | 0.65 | cps |
| Phosphorus | 31-2 | 17 | 8 | 0 | 8 | 100.02 | cps |
| Potassium | 39-2 | 34318 | 34668 | 35488 | 34825 | 1.72 | cps |
| Rhodium | 103-1 | 5513256 | 5447953 | 5486630 | 5482613 | 0.60 | cps |
| Rhodium | 103-2 | 1500409 | 1432337 | 1485147 | 1472631 | 2.43 | cps |
| Scandium | 45-1 | 3267761 | 3277674 | 3207566 | 3251001 | 1.17 | cps |
| Scandium | 45-2 | 25179 | 24278 | 24879 | 24779 | 1.85 | cps |
| Selenium | 77-2 | 183 | 190 | 183 | 186 | 2.07 | cps |
| Selenium | 78-2 | 502 | 522 | 500 | 508 | 2.43 | cps |
| Selenium | 82-1 | 27446 | 27495 | 27614 | 27518 | 0.31 | cps |
| Silicon | 28-1 | 2085667 | 2069858 | 2064741 | 2073422 | 0.53 | cps |
| Silver | 109-1 | 930939 | 934439 | 939078 | 934819 | 0.44 | cps |
| Silver | 107-1 | 984312 | 978489 | 977598 | 980133 | 0.37 | cps |
| Sodium | 23-2 | 140084 | 138645 | 138603 | 139110 | 0.61 | cps |
| Strontium | 86-1 | 1313607 | 1316094 | 1310305 | 1313335 | 0.22 | cps |
| Strontium | 88-1 | 11434346 | 11444598 | 11366840 | 11415261 | 0.37 | cps |
| Sulfur | 34-1 | 317961 | 317706 | 312367 | 316011 | 1.00 | cps |
| Terbium | 159-1 | 8014406 | 7935290 | 7987912 | 7979203 | 0.50 | cps |
| Terbium | 159-2 | 1650193 | 1572039 | 1667859 | 1630030 | 3.13 | cps |
| Thallium | 203-1 | 1884587 | 1859870 | 1880694 | 1875050 | 0.71 | cps |
| Thallium | 205-1 | 4477002 | 4537967 | 4574592 | 4529854 | 1.09 | cps |
| Tin | 118-1 | 3602234 | 3559043 | 3626424 | 3595901 | 0.95 | cps |
| Titanium | 47-1 | 515452 | 517048 | 515189 | 515896 | 0.20 | cps |
| Uranium | 238-1 | 15333336 | 15365585 | 15590408 | 15429776 | 0.91 | cps |
| Vanadium | 51-2 | 62740 | 61471 | 61227 | 61812 | 1.31 | cps |
| Yttrium | 89-1 | 6014144 | 5969521 | 5976691 | 5986785 | 0.40 | cps |
| Yttrium | 89-2 | 190106 | 179114 | 187888 | 185702 | 3.13 | cps |
| Zinc | 66-2 | 32151 | 32187 | 32164 | 32167 | 0.06 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:03:47 | DataFile Name : | 012ICV01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 7172275 | 7097702 | 7092776 | 7120917 | 0.63 | cps |
| Zirconium | 91-1 | 1611890 | 1620757 | 1586035 | 1606227 | 1.12 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:07:06 | DataFile Name : | 013LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 160 | 130 | 185 | 158 | 17.39 | cps |
| Antimony | 121-1 | 27847 | 27187 | 25959 | 26998 | 3.55 | cps |
| Arsenic | 75-1 | 3050 | 3159 | 2867 | 3025 | 4.87 | cps |
| Barium | 135-1 | 23513 | 22428 | 22520 | 22821 | 2.64 | cps |
| Barium | 137-1 | 40689 | 40263 | 38507 | 39820 | 2.90 | cps |
| Beryllium | 9-1 | 1717 | 1595 | 1583 | 1632 | 4.54 | cps |
| Bismuth | 209-1 | 5491536 | 5701629 | 5530139 | 5574435 | 2.01 | cps |
| Bismuth | 209-2 | 1436439 | 1433627 | 1454882 | 1441649 | 0.80 | cps |
| Boron | 10-1 | 7144 | 6635 | 6393 | 6724 | 5.70 | cps |
| Boron | 11-1 | 34342 | 34016 | 32479 | 33613 | 2.96 | cps |
| Cadmium | 111-1 | 3236 | 3352 | 3205 | 3264 | 2.37 | cps |
| Cadmium | 106-1 | 1508 | 1675 | 1492 | 1559 | 6.51 | cps |
| Cadmium | 108-1 | 142 | 167 | 188 | 165 | 13.89 | cps |
| Calcium | 43-1 | 10955 | 11238 | 11355 | 11183 | 1.84 | cps |
| Calcium | 44-1 | 188507 | 186775 | 188804 | 188029 | 0.58 | cps |
| Chromium | 52-2 | 2374 | 2420 | 2390 | 2395 | 0.99 | cps |
| Cobalt | 59-2 | 2177 | 2174 | 2064 | 2138 | 3.02 | cps |
| Copper | 63-2 | 3837 | 3731 | 3961 | 3843 | 3.00 | cps |
| Dysprosium | 156-1 | 8 | 25 | 8 | 14 | 69.31 | cps |
| Dysprosium | 156-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Erbium | 164-1 | 42 | 67 | 42 | 50 | 28.87 | cps |
| Erbium | 164-2 | 7 | 10 | 10 | 9 | 21.63 | cps |
| Gadolinium | 160-1 | 67 | 67 | 83 | 72 | 13.33 | cps |
| Gadolinium | 160-2 | 3 | 0 | 7 | 3 | 100.05 | cps |
| Holmium | 165-1 | 7865576 | 7902806 | 7801530 | 7856637 | 0.65 | cps |
| Holmium | 165-2 | 1739132 | 1720694 | 1709656 | 1723161 | 0.86 | cps |
| Indium | 115-1 | 5842923 | 5997859 | 5918694 | 5919825 | 1.31 | cps |
| Indium | 115-2 | 263124 | 265744 | 265357 | 264741 | 0.53 | cps |
| Iron | 56-2 | 33040 | 33318 | 33558 | 33305 | 0.78 | cps |
| Iron | 57-2 | 889 | 906 | 750 | 848 | 10.07 | cps |
| Krypton | 83-1 | 343 | 427 | 417 | 396 | 11.50 | cps |
| Lead | 206-1 | 8814 | 8853 | 8648 | 8772 | 1.25 | cps |
| Lead | 207-1 | 7819 | 7641 | 7686 | 7716 | 1.20 | cps |
| Lead | 208-1 | 35142 | 35615 | 34853 | 35204 | 1.09 | cps |
| Lithium | 6-1 | 1027704 | 1013766 | 1025003 | 1022158 | 0.72 | cps |
| Magnesium | 24-2 | 16944 | 17562 | 16752 | 17086 | 2.48 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:07:06 | DataFile Name : | 013LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 290 | 273 | 290 | 284 | 3.38 | cps |
| Molybdenum | 94-1 | 19331 | 19465 | 19673 | 19490 | 0.89 | cps |
| Molybdenum | 95-1 | 23555 | 23454 | 23605 | 23538 | 0.33 | cps |
| Molybdenum | 96-1 | 26109 | 25349 | 26009 | 25823 | 1.60 | cps |
| Molybdenum | 97-1 | 14400 | 14675 | 14450 | 14508 | 1.01 | cps |
| Molybdenum | 98-1 | 38798 | 38263 | 36985 | 38016 | 2.45 | cps |
| Neodymium | 150-1 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 1093 | 1083 | 1063 | 1080 | 1.41 | cps |
| Phosphorus | 31-2 | 8 | 0 | 17 | 8 | 100.02 | cps |
| Potassium | 39-2 | 10563 | 10763 | 10788 | 10704 | 1.15 | cps |
| Rhodium | 103-1 | 5545722 | 5630457 | 5467757 | 5547978 | 1.47 | cps |
| Rhodium | 103-2 | 1526583 | 1513906 | 1524262 | 1521584 | 0.44 | cps |
| Scandium | 45-1 | 3189341 | 3298302 | 3256409 | 3248017 | 1.69 | cps |
| Scandium | 45-2 | 24932 | 24929 | 25467 | 25109 | 1.23 | cps |
| Selenium | 77-2 | 0 | 17 | 3 | 7 | 132.33 | cps |
| Selenium | 78-2 | 20 | 22 | 17 | 20 | 14.31 | cps |
| Selenium | 82-1 | 783 | 672 | 690 | 715 | 8.31 | cps |
| Silicon | 28-1 | 262793 | 261223 | 259049 | 261022 | 0.72 | cps |
| Silver | 109-1 | 11439 | 11605 | 11472 | 11505 | 0.77 | cps |
| Silver | 107-1 | 12181 | 11556 | 12198 | 11978 | 3.06 | cps |
| Sodium | 23-2 | 43141 | 43192 | 42047 | 42793 | 1.51 | cps |
| Strontium | 86-1 | 3509 | 3326 | 3276 | 3370 | 3.65 | cps |
| Strontium | 88-1 | 24848 | 24155 | 24156 | 24387 | 1.64 | cps |
| Sulfur | 34-1 | 308763 | 306261 | 312126 | 309050 | 0.95 | cps |
| Terbium | 159-1 | 8039837 | 8242460 | 7993245 | 8091847 | 1.64 | cps |
| Terbium | 159-2 | 1663514 | 1687519 | 1676112 | 1675715 | 0.72 | cps |
| Thallium | 203-1 | 10096 | 10338 | 10738 | 10391 | 3.12 | cps |
| Thallium | 205-1 | 25276 | 24591 | 24600 | 24822 | 1.58 | cps |
| Tin | 118-1 | 40061 | 40270 | 39384 | 39905 | 1.16 | cps |
| Titanium | 47-1 | 5251 | 5101 | 5343 | 5232 | 2.33 | cps |
| Uranium | 238-1 | 33897 | 32836 | 33697 | 33477 | 1.68 | cps |
| Vanadium | 51-2 | 3120 | 3370 | 3327 | 3273 | 4.08 | cps |
| Yttrium | 89-1 | 5916242 | 6067228 | 5956792 | 5980087 | 1.31 | cps |
| Yttrium | 89-2 | 188275 | 188177 | 191245 | 189232 | 0.92 | cps |
| Zinc | 66-2 | 487 | 500 | 467 | 484 | 3.46 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | LLICV01 | Instrumnet Name : | P8 |
| Client Sample ID : | LLICV01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:07:06 | DataFile Name : | 013LLIC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 18146 | 17462 | 16911 | 17506 | 3.53 | cps |
| Zirconium | 91-1 | 3751 | 3851 | 3792 | 3798 | 1.32 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:19:40 | DataFile Name : | 015CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 33 | 13 | 15 | 20 | 54.51 | cps |
| Antimony | 121-1 | 1692 | 1734 | 1992 | 1806 | 9.00 | cps |
| Arsenic | 75-1 | 142 | 133 | 150 | 142 | 5.88 | cps |
| Barium | 135-1 | 8 | 8 | 33 | 17 | 86.64 | cps |
| Barium | 137-1 | 75 | 58 | 75 | 69 | 13.85 | cps |
| Beryllium | 9-1 | 217 | 200 | 161 | 193 | 14.80 | cps |
| Bismuth | 209-1 | 5705646 | 5562067 | 5427178 | 5564963 | 2.50 | cps |
| Bismuth | 209-2 | 1414001 | 1426716 | 1419152 | 1419956 | 0.45 | cps |
| Boron | 10-1 | 842 | 783 | 792 | 806 | 3.92 | cps |
| Boron | 11-1 | 4217 | 4067 | 4084 | 4123 | 1.99 | cps |
| Cadmium | 111-1 | 918 | 930 | 938 | 929 | 1.06 | cps |
| Cadmium | 106-1 | 1308 | 1308 | 1317 | 1311 | 0.37 | cps |
| Cadmium | 108-1 | 8 | 4 | 13 | 8 | 49.98 | cps |
| Calcium | 43-1 | 325 | 342 | 392 | 353 | 9.83 | cps |
| Calcium | 44-1 | 12147 | 12615 | 11822 | 12195 | 3.27 | cps |
| Chromium | 52-2 | 453 | 470 | 503 | 476 | 5.35 | cps |
| Cobalt | 59-2 | 50 | 57 | 43 | 50 | 13.34 | cps |
| Copper | 63-2 | 303 | 307 | 253 | 288 | 10.38 | cps |
| Dysprosium | 156-1 | 17 | 33 | 42 | 31 | 41.66 | cps |
| Dysprosium | 156-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Erbium | 164-1 | 33 | 42 | 0 | 25 | 88.19 | cps |
| Erbium | 164-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Gadolinium | 160-1 | 17 | 42 | 67 | 42 | 60.00 | cps |
| Gadolinium | 160-2 | 10 | 7 | 3 | 7 | 50.03 | cps |
| Holmium | 165-1 | 7961178 | 7779357 | 7592655 | 7777730 | 2.37 | cps |
| Holmium | 165-2 | 1709804 | 1718322 | 1710367 | 1712831 | 0.28 | cps |
| Indium | 115-1 | 5988851 | 5888778 | 5853431 | 5910353 | 1.19 | cps |
| Indium | 115-2 | 265953 | 266564 | 264350 | 265622 | 0.43 | cps |
| Iron | 56-2 | 1483 | 1500 | 1472 | 1485 | 0.94 | cps |
| Iron | 57-2 | 28 | 44 | 33 | 35 | 24.12 | cps |
| Krypton | 83-1 | 393 | 370 | 387 | 383 | 3.14 | cps |
| Lead | 206-1 | 456 | 461 | 461 | 459 | 0.70 | cps |
| Lead | 207-1 | 394 | 511 | 461 | 456 | 12.85 | cps |
| Lead | 208-1 | 2056 | 1983 | 2022 | 2021 | 1.79 | cps |
| Lithium | 6-1 | 1040170 | 1017959 | 1019757 | 1025962 | 1.20 | cps |
| Magnesium | 24-2 | 375 | 367 | 358 | 367 | 2.27 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:19:40 | DataFile Name : | 015CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 23 | 53 | 20 | 32 | 56.98 | cps |
| Molybdenum | 94-1 | 400 | 475 | 383 | 419 | 11.64 | cps |
| Molybdenum | 95-1 | 233 | 258 | 208 | 233 | 10.72 | cps |
| Molybdenum | 96-1 | 375 | 275 | 267 | 306 | 19.73 | cps |
| Molybdenum | 97-1 | 183 | 192 | 225 | 200 | 11.02 | cps |
| Molybdenum | 98-1 | 367 | 358 | 433 | 386 | 10.65 | cps |
| Neodymium | 150-1 | 7 | 7 | 0 | 4 | 86.60 | cps |
| Neodymium | 150-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Nickel | 60-2 | 430 | 390 | 373 | 398 | 7.32 | cps |
| Phosphorus | 31-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Potassium | 39-2 | 2675 | 2675 | 2659 | 2670 | 0.36 | cps |
| Rhodium | 103-1 | 5697042 | 5568223 | 5446020 | 5570428 | 2.25 | cps |
| Rhodium | 103-2 | 1530904 | 1514819 | 1494220 | 1513314 | 1.22 | cps |
| Scandium | 45-1 | 3369866 | 3250524 | 3183771 | 3268054 | 2.88 | cps |
| Scandium | 45-2 | 24411 | 25313 | 25196 | 24973 | 1.96 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 2 | 0 | 4 | 2 | 100.00 | cps |
| Selenium | 82-1 | -7 | 36 | -1 | 9 | 253.62 | cps |
| Silicon | 28-1 | 194077 | 196627 | 193351 | 194685 | 0.88 | cps |
| Silver | 109-1 | 92 | 108 | 83 | 94 | 13.48 | cps |
| Silver | 107-1 | 125 | 125 | 158 | 136 | 14.14 | cps |
| Sodium | 23-2 | 7594 | 7252 | 7402 | 7416 | 2.31 | cps |
| Strontium | 86-1 | 675 | 625 | 608 | 636 | 5.45 | cps |
| Strontium | 88-1 | 167 | 100 | 125 | 131 | 25.79 | cps |
| Sulfur | 34-1 | 319914 | 317403 | 316627 | 317981 | 0.54 | cps |
| Terbium | 159-1 | 8120358 | 8081911 | 7928991 | 8043753 | 1.26 | cps |
| Terbium | 159-2 | 1659663 | 1664680 | 1652086 | 1658810 | 0.38 | cps |
| Thallium | 203-1 | 392 | 417 | 383 | 397 | 4.37 | cps |
| Thallium | 205-1 | 783 | 958 | 892 | 878 | 10.06 | cps |
| Tin | 118-1 | 983 | 867 | 808 | 886 | 10.06 | cps |
| Titanium | 47-1 | 50 | 100 | 75 | 75 | 33.34 | cps |
| Uranium | 238-1 | 92 | 25 | 100 | 72 | 56.92 | cps |
| Vanadium | 51-2 | 7 | 3 | 7 | 6 | 34.70 | cps |
| Yttrium | 89-1 | 6100725 | 6017720 | 5935672 | 6018039 | 1.37 | cps |
| Yttrium | 89-2 | 192273 | 192661 | 189471 | 191468 | 0.91 | cps |
| Zinc | 66-2 | 67 | 67 | 57 | 63 | 9.12 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:19:40 | DataFile Name : | 015CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 850 | 742 | 708 | 767 | 9.66 | cps |
| Zirconium | 91-1 | 183 | 192 | 200 | 192 | 4.35 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:23:04 | DataFile Name : | 016ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 583806 | 579639 | 583420 | 582288 | 0.40 | cps |
| Antimony | 121-1 | 12665 | 12214 | 12315 | 12398 | 1.91 | cps |
| Arsenic | 75-1 | 3859 | 4168 | 4092 | 4040 | 3.98 | cps |
| Barium | 135-1 | 3192 | 3142 | 3326 | 3220 | 2.94 | cps |
| Barium | 137-1 | 5693 | 5760 | 5802 | 5752 | 0.95 | cps |
| Beryllium | 9-1 | 522 | 444 | 450 | 472 | 9.19 | cps |
| Bismuth | 209-1 | 5476720 | 5453893 | 5520465 | 5483693 | 0.62 | cps |
| Bismuth | 209-2 | 1347305 | 1362123 | 1323207 | 1344212 | 1.46 | cps |
| Boron | 10-1 | 933 | 1050 | 1000 | 995 | 5.89 | cps |
| Boron | 11-1 | 4934 | 4909 | 4751 | 4865 | 2.04 | cps |
| Cadmium | 111-1 | 1551 | 1621 | 1576 | 1582 | 2.26 | cps |
| Cadmium | 106-1 | 1192 | 1292 | 1067 | 1183 | 9.53 | cps |
| Cadmium | 108-1 | 1429 | 1417 | 1304 | 1383 | 4.98 | cps |
| Calcium | 43-1 | 2047039 | 2027335 | 2032957 | 2035777 | 0.50 | cps |
| Calcium | 44-1 | 32680373 | 32679997 | 32763283 | 32707884 | 0.15 | cps |
| Chromium | 52-2 | 19831 | 19697 | 20138 | 19889 | 1.14 | cps |
| Cobalt | 59-2 | 2317 | 2190 | 2254 | 2254 | 2.81 | cps |
| Copper | 63-2 | 12619 | 12419 | 12496 | 12511 | 0.81 | cps |
| Dysprosium | 156-1 | 58 | 75 | 42 | 58 | 28.57 | cps |
| Dysprosium | 156-2 | 10 | 13 | 13 | 12 | 15.73 | cps |
| Erbium | 164-1 | 42 | 42 | 75 | 53 | 36.47 | cps |
| Erbium | 164-2 | 17 | 13 | 3 | 11 | 62.48 | cps |
| Gadolinium | 160-1 | 92 | 117 | 50 | 86 | 39.11 | cps |
| Gadolinium | 160-2 | 33 | 20 | 10 | 21 | 55.45 | cps |
| Holmium | 165-1 | 7833553 | 8025126 | 7983600 | 7947426 | 1.27 | cps |
| Holmium | 165-2 | 1692424 | 1699301 | 1643880 | 1678535 | 1.80 | cps |
| Indium | 115-1 | 5632475 | 5800863 | 5664520 | 5699286 | 1.57 | cps |
| Indium | 115-2 | 248456 | 248319 | 241416 | 246064 | 1.64 | cps |
| Iron | 56-2 | 56098428 | 55589162 | 55785772 | 55824454 | 0.46 | cps |
| Iron | 57-2 | 1420080 | 1441206 | 1448468 | 1436585 | 1.03 | cps |
| Krypton | 83-1 | 350 | 347 | 413 | 370 | 10.15 | cps |
| Lead | 206-1 | 36314 | 36146 | 35979 | 36146 | 0.46 | cps |
| Lead | 207-1 | 29156 | 28583 | 28989 | 28909 | 1.02 | cps |
| Lead | 208-1 | 138429 | 136571 | 136128 | 137043 | 0.89 | cps |
| Lithium | 6-1 | 966699 | 963665 | 952100 | 960821 | 0.80 | cps |
| Magnesium | 24-2 | 2835979 | 2840931 | 2847954 | 2841621 | 0.21 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:23:04 | DataFile Name : | 016ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 2167 | 2077 | 2087 | 2110 | 2.34 | cps |
| Molybdenum | 94-1 | 4696268 | 4644866 | 4667180 | 4669438 | 0.55 | cps |
| Molybdenum | 95-1 | 8178310 | 8234888 | 8286956 | 8233385 | 0.66 | cps |
| Molybdenum | 96-1 | 8807230 | 8793513 | 8777801 | 8792848 | 0.17 | cps |
| Molybdenum | 97-1 | 5162791 | 5203361 | 5182727 | 5182960 | 0.39 | cps |
| Molybdenum | 98-1 | 13270072 | 13344962 | 13327614 | 13314216 | 0.29 | cps |
| Neodymium | 150-1 | 87 | 53 | 33 | 58 | 46.64 | cps |
| Neodymium | 150-2 | 10 | 3 | 7 | 7 | 50.03 | cps |
| Nickel | 60-2 | 4884 | 4744 | 4968 | 4865 | 2.32 | cps |
| Phosphorus | 31-2 | 42147 | 41503 | 41512 | 41721 | 0.89 | cps |
| Potassium | 39-2 | 1502310 | 1506603 | 1496361 | 1501758 | 0.34 | cps |
| Rhodium | 103-1 | 5120434 | 5194843 | 5167556 | 5160945 | 0.73 | cps |
| Rhodium | 103-2 | 1385381 | 1397828 | 1367951 | 1383720 | 1.08 | cps |
| Scandium | 45-1 | 3075252 | 3121608 | 3074852 | 3090571 | 0.87 | cps |
| Scandium | 45-2 | 22949 | 23266 | 22522 | 22912 | 1.63 | cps |
| Selenium | 77-2 | 7 | 0 | 3 | 3 | 100.05 | cps |
| Selenium | 78-2 | 0 | 0 | 2 | 1 | 173.21 | cps |
| Selenium | 82-1 | 34 | 47 | -37 | 15 | 305.66 | cps |
| Silicon | 28-1 | 303905 | 306207 | 304047 | 304720 | 0.42 | cps |
| Silver | 109-1 | 617 | 733 | 950 | 767 | 22.06 | cps |
| Silver | 107-1 | 600 | 750 | 883 | 745 | 19.04 | cps |
| Sodium | 23-2 | 6188519 | 6164653 | 6193539 | 6182237 | 0.25 | cps |
| Strontium | 86-1 | 87010 | 87538 | 88662 | 87737 | 0.96 | cps |
| Strontium | 88-1 | 769813 | 761875 | 758729 | 763472 | 0.75 | cps |
| Sulfur | 34-1 | 2640101 | 2575888 | 2579455 | 2598481 | 1.39 | cps |
| Terbium | 159-1 | 8090892 | 8113952 | 7980358 | 8061734 | 0.89 | cps |
| Terbium | 159-2 | 1628353 | 1646713 | 1579653 | 1618240 | 2.14 | cps |
| Thallium | 203-1 | 767 | 900 | 842 | 836 | 7.99 | cps |
| Thallium | 205-1 | 1784 | 2209 | 2350 | 2114 | 13.95 | cps |
| Tin | 118-1 | 4161 | 2375 | 2159 | 2898 | 37.91 | cps |
| Titanium | 47-1 | 2032289 | 2010438 | 2018474 | 2020400 | 0.55 | cps |
| Uranium | 238-1 | 817 | 950 | 717 | 828 | 14.14 | cps |
| Vanadium | 51-2 | 107 | 90 | 83 | 93 | 12.88 | cps |
| Yttrium | 89-1 | 5765334 | 5850840 | 5767181 | 5794452 | 0.84 | cps |
| Yttrium | 89-2 | 179722 | 179515 | 177161 | 178799 | 0.80 | cps |
| Zinc | 66-2 | 1880 | 2050 | 2030 | 1987 | 4.68 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSA01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSA01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:23:04 | DataFile Name : | 016ICSA01.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 5801 | 4518 | 4459 | 4926 | 15.40 | cps |
| Zirconium | 91-1 | 1267 | 1158 | 683 | 1036 | 29.95 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:26:22 | DataFile Name : | 017ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 565680 | 564196 | 562293 | 564056 | 0.30 | cps |
| Antimony | 121-1 | 216081 | 211991 | 213522 | 213865 | 0.97 | cps |
| Arsenic | 75-1 | 52158 | 52778 | 52351 | 52429 | 0.60 | cps |
| Barium | 135-1 | 47871 | 47260 | 47905 | 47679 | 0.76 | cps |
| Barium | 137-1 | 83555 | 83070 | 83336 | 83321 | 0.29 | cps |
| Beryllium | 9-1 | 25345 | 24961 | 24382 | 24896 | 1.95 | cps |
| Bismuth | 209-1 | 5456458 | 5516975 | 5532950 | 5502128 | 0.73 | cps |
| Bismuth | 209-2 | 1333534 | 1358558 | 1349001 | 1347031 | 0.94 | cps |
| Boron | 10-1 | 83727 | 83795 | 83845 | 83789 | 0.07 | cps |
| Boron | 11-1 | 407916 | 408752 | 402382 | 406350 | 0.85 | cps |
| Cadmium | 111-1 | 46100 | 45731 | 45624 | 45818 | 0.54 | cps |
| Cadmium | 106-1 | 4893 | 5210 | 5251 | 5118 | 3.83 | cps |
| Cadmium | 108-1 | 4409 | 4601 | 4163 | 4391 | 5.00 | cps |
| Calcium | 43-1 | 1995904 | 2005537 | 1971211 | 1990884 | 0.89 | cps |
| Calcium | 44-1 | 32086389 | 32229586 | 31883237 | 32066404 | 0.54 | cps |
| Chromium | 52-2 | 37674 | 36558 | 36324 | 36852 | 1.96 | cps |
| Cobalt | 59-2 | 37898 | 37778 | 37754 | 37810 | 0.20 | cps |
| Copper | 63-2 | 42960 | 42896 | 42702 | 42853 | 0.31 | cps |
| Dysprosium | 156-1 | 42 | 17 | 58 | 39 | 53.93 | cps |
| Dysprosium | 156-2 | 7 | 27 | 7 | 13 | 86.58 | cps |
| Erbium | 164-1 | 83 | 33 | 33 | 50 | 57.75 | cps |
| Erbium | 164-2 | 10 | 10 | 7 | 9 | 21.63 | cps |
| Gadolinium | 160-1 | 108 | 100 | 125 | 111 | 11.46 | cps |
| Gadolinium | 160-2 | 23 | 17 | 20 | 20 | 16.65 | cps |
| Holmium | 165-1 | 7877324 | 7911115 | 8039673 | 7942704 | 1.08 | cps |
| Holmium | 165-2 | 1679568 | 1700677 | 1677715 | 1685987 | 0.76 | cps |
| Indium | 115-1 | 5595679 | 5684253 | 5735561 | 5671831 | 1.25 | cps |
| Indium | 115-2 | 235424 | 240706 | 241211 | 239114 | 1.34 | cps |
| Iron | 56-2 | 54551483 | 54378212 | 54316940 | 54415545 | 0.22 | cps |
| Iron | 57-2 | 1385407 | 1377329 | 1374257 | 1378998 | 0.42 | cps |
| Krypton | 83-1 | 353 | 390 | 363 | 369 | 5.14 | cps |
| Lead | 206-1 | 187441 | 187877 | 186349 | 187222 | 0.42 | cps |
| Lead | 207-1 | 157099 | 158134 | 157629 | 157621 | 0.33 | cps |
| Lead | 208-1 | 733256 | 734811 | 729485 | 732517 | 0.37 | cps |
| Lithium | 6-1 | 931677 | 938098 | 958496 | 942757 | 1.49 | cps |
| Magnesium | 24-2 | 2781793 | 2770000 | 2759346 | 2770380 | 0.41 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:26:22 | DataFile Name : | 017ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 6939 | 6802 | 6385 | 6708 | 4.30 | cps |
| Molybdenum | 94-1 | 5767159 | 5650592 | 5687420 | 5701724 | 1.05 | cps |
| Molybdenum | 95-1 | 10075469 | 10110558 | 10110292 | 10098773 | 0.20 | cps |
| Molybdenum | 96-1 | 10782423 | 10791923 | 10723793 | 10766047 | 0.34 | cps |
| Molybdenum | 97-1 | 6385692 | 6352465 | 6364580 | 6367579 | 0.26 | cps |
| Molybdenum | 98-1 | 16376102 | 16369159 | 16311250 | 16352171 | 0.22 | cps |
| Neodymium | 150-1 | 53 | 33 | 100 | 62 | 54.98 | cps |
| Neodymium | 150-2 | 7 | 10 | 0 | 6 | 91.64 | cps |
| Nickel | 60-2 | 15759 | 15202 | 15769 | 15577 | 2.08 | cps |
| Phosphorus | 31-2 | 41052 | 40266 | 40492 | 40604 | 1.00 | cps |
| Potassium | 39-2 | 1468083 | 1457541 | 1450521 | 1458715 | 0.61 | cps |
| Rhodium | 103-1 | 5155019 | 5204694 | 5184693 | 5181469 | 0.48 | cps |
| Rhodium | 103-2 | 1367775 | 1389602 | 1385546 | 1380974 | 0.84 | cps |
| Scandium | 45-1 | 3079996 | 3124827 | 3144552 | 3116458 | 1.06 | cps |
| Scandium | 45-2 | 22835 | 22552 | 22865 | 22751 | 0.76 | cps |
| Selenium | 77-2 | 10 | 27 | 13 | 17 | 52.93 | cps |
| Selenium | 78-2 | 63 | 76 | 43 | 60 | 27.78 | cps |
| Selenium | 82-1 | 2557 | 2687 | 2674 | 2639 | 2.71 | cps |
| Silicon | 28-1 | 2008332 | 2036522 | 2044423 | 2029759 | 0.93 | cps |
| Silver | 109-1 | 195079 | 196193 | 195764 | 195679 | 0.29 | cps |
| Silver | 107-1 | 205502 | 203690 | 204664 | 204619 | 0.44 | cps |
| Sodium | 23-2 | 6074223 | 6099799 | 5986611 | 6053544 | 0.98 | cps |
| Strontium | 86-1 | 86558 | 87094 | 87513 | 87055 | 0.55 | cps |
| Strontium | 88-1 | 757676 | 756994 | 744722 | 753131 | 0.97 | cps |
| Sulfur | 34-1 | 2539150 | 2556192 | 2528139 | 2541160 | 0.56 | cps |
| Terbium | 159-1 | 8072887 | 8205204 | 8128513 | 8135534 | 0.82 | cps |
| Terbium | 159-2 | 1607368 | 1633739 | 1617135 | 1619414 | 0.82 | cps |
| Thallium | 203-1 | 184785 | 187044 | 187389 | 186406 | 0.76 | cps |
| Thallium | 205-1 | 442468 | 443419 | 444832 | 443573 | 0.27 | cps |
| Tin | 118-1 | 3454867 | 3424185 | 3395205 | 3424752 | 0.87 | cps |
| Titanium | 47-1 | 2465199 | 2468778 | 2469996 | 2467991 | 0.10 | cps |
| Uranium | 238-1 | 925 | 733 | 983 | 881 | 14.85 | cps |
| Vanadium | 51-2 | 11899 | 11508 | 11505 | 11637 | 1.94 | cps |
| Yttrium | 89-1 | 5770238 | 5848564 | 5816708 | 5811837 | 0.68 | cps |
| Yttrium | 89-2 | 175630 | 179820 | 178036 | 177829 | 1.18 | cps |
| Zinc | 66-2 | 4748 | 5008 | 4798 | 4851 | 2.84 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | ICSAB01 | Instrumnet Name : | P8 |
| Client Sample ID : | ICSAB01 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:26:22 | DataFile Name : | 017ICSB.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 8086 | 6235 | 4634 | 6319 | 27.34 | cps |
| Zirconium | 91-1 | 1825 | 1350 | 1075 | 1417 | 26.78 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:29:40 | DataFile Name : | 018CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 333905 | 336299 | 337434 | 335879 | 0.54 | cps |
| Antimony | 121-1 | 5180794 | 5222070 | 5270453 | 5224439 | 0.86 | cps |
| Arsenic | 75-1 | 1236033 | 1225621 | 1238157 | 1233271 | 0.54 | cps |
| Barium | 135-1 | 5548476 | 5653602 | 5590472 | 5597517 | 0.95 | cps |
| Barium | 137-1 | 9791684 | 9799764 | 9727073 | 9772840 | 0.41 | cps |
| Beryllium | 9-1 | 628803 | 627758 | 630639 | 629067 | 0.23 | cps |
| Bismuth | 209-1 | 5372916 | 5328152 | 5388797 | 5363288 | 0.59 | cps |
| Bismuth | 209-2 | 1294802 | 1321339 | 1314380 | 1310174 | 1.05 | cps |
| Boron | 10-1 | 71722 | 73614 | 74150 | 73162 | 1.74 | cps |
| Boron | 11-1 | 350144 | 354705 | 365385 | 356745 | 2.19 | cps |
| Cadmium | 111-1 | 1134122 | 1135098 | 1132030 | 1133750 | 0.14 | cps |
| Cadmium | 106-1 | 120384 | 118989 | 119990 | 119788 | 0.60 | cps |
| Cadmium | 108-1 | 80832 | 81444 | 81625 | 81300 | 0.51 | cps |
| Calcium | 43-1 | 5067349 | 5043761 | 5049131 | 5053414 | 0.24 | cps |
| Calcium | 44-1 | 81769008 | 82110314 | 82323396 | 82067573 | 0.34 | cps |
| Chromium | 52-2 | 432624 | 429960 | 430679 | 431088 | 0.32 | cps |
| Cobalt | 59-2 | 913792 | 920193 | 918672 | 917552 | 0.36 | cps |
| Copper | 63-2 | 1542870 | 1526260 | 1549751 | 1539627 | 0.78 | cps |
| Dysprosium | 156-1 | 167 | 108 | 100 | 125 | 29.06 | cps |
| Dysprosium | 156-2 | 7 | 10 | 13 | 10 | 33.30 | cps |
| Erbium | 164-1 | 42 | 25 | 42 | 36 | 26.65 | cps |
| Erbium | 164-2 | 3 | 7 | 3 | 4 | 43.40 | cps |
| Gadolinium | 160-1 | 133 | 67 | 67 | 89 | 43.30 | cps |
| Gadolinium | 160-2 | 23 | 17 | 17 | 19 | 20.36 | cps |
| Holmium | 165-1 | 7844976 | 7798341 | 7852732 | 7832016 | 0.38 | cps |
| Holmium | 165-2 | 1655569 | 1666365 | 1657086 | 1659673 | 0.35 | cps |
| Indium | 115-1 | 5588994 | 5549766 | 5552195 | 5563652 | 0.40 | cps |
| Indium | 115-2 | 231973 | 239270 | 236382 | 235875 | 1.56 | cps |
| Iron | 56-2 | 70118353 | 70313379 | 70435849 | 70289194 | 0.23 | cps |
| Iron | 57-2 | 1840194 | 1798997 | 1821698 | 1820297 | 1.13 | cps |
| Krypton | 83-1 | 440 | 360 | 430 | 410 | 10.63 | cps |
| Lead | 206-1 | 3812959 | 3785464 | 3785406 | 3794610 | 0.42 | cps |
| Lead | 207-1 | 3498511 | 3460113 | 3497931 | 3485518 | 0.63 | cps |
| Lead | 208-1 | 15609990 | 15458182 | 15574119 | 15547430 | 0.51 | cps |
| Lithium | 6-1 | 921511 | 912131 | 920858 | 918167 | 0.57 | cps |
| Magnesium | 24-2 | 7038186 | 7034389 | 7079733 | 7050770 | 0.36 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:29:40 | DataFile Name : | 018CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 243240 | 243380 | 246133 | 244251 | 0.67 | cps |
| Molybdenum | 94-1 | 8709383 | 8607711 | 8648555 | 8655216 | 0.59 | cps |
| Molybdenum | 95-1 | 10644343 | 10605522 | 10601238 | 10617034 | 0.22 | cps |
| Molybdenum | 96-1 | 11821436 | 11798901 | 11902089 | 11840809 | 0.46 | cps |
| Molybdenum | 97-1 | 6723603 | 6663864 | 6726413 | 6704627 | 0.53 | cps |
| Molybdenum | 98-1 | 17355022 | 17445644 | 17381368 | 17394011 | 0.27 | cps |
| Neodymium | 150-1 | 353 | 273 | 287 | 304 | 14.08 | cps |
| Neodymium | 150-2 | 13 | 13 | 10 | 12 | 15.73 | cps |
| Nickel | 60-2 | 274505 | 272349 | 273311 | 273388 | 0.39 | cps |
| Phosphorus | 31-2 | 4376 | 4084 | 4701 | 4387 | 7.03 | cps |
| Potassium | 39-2 | 1894154 | 1893684 | 1928819 | 1905552 | 1.06 | cps |
| Rhodium | 103-1 | 5008712 | 4968959 | 5018758 | 4998810 | 0.53 | cps |
| Rhodium | 103-2 | 1316023 | 1341211 | 1333611 | 1330282 | 0.97 | cps |
| Scandium | 45-1 | 3058373 | 3077859 | 3085838 | 3074023 | 0.46 | cps |
| Scandium | 45-2 | 22638 | 23416 | 22886 | 22980 | 1.73 | cps |
| Selenium | 77-2 | 373 | 413 | 360 | 382 | 7.26 | cps |
| Selenium | 78-2 | 1269 | 1291 | 1276 | 1278 | 0.88 | cps |
| Selenium | 82-1 | 66669 | 66270 | 66304 | 66415 | 0.33 | cps |
| Silicon | 28-1 | 2037316 | 2063438 | 2054578 | 2051778 | 0.65 | cps |
| Silver | 109-1 | 5123551 | 5158737 | 5163488 | 5148592 | 0.42 | cps |
| Silver | 107-1 | 5361352 | 5339183 | 5363419 | 5354651 | 0.25 | cps |
| Sodium | 23-2 | 15492847 | 15553595 | 15646220 | 15564221 | 0.50 | cps |
| Strontium | 86-1 | 1323945 | 1315104 | 1327380 | 1322143 | 0.48 | cps |
| Strontium | 88-1 | 11520245 | 11327141 | 11375412 | 11407600 | 0.88 | cps |
| Sulfur | 34-1 | 576360 | 574018 | 574031 | 574803 | 0.23 | cps |
| Terbium | 159-1 | 8097545 | 7990434 | 8092748 | 8060243 | 0.75 | cps |
| Terbium | 159-2 | 1601080 | 1623620 | 1609208 | 1611302 | 0.71 | cps |
| Thallium | 203-1 | 4687302 | 4626709 | 4691975 | 4668662 | 0.78 | cps |
| Thallium | 205-1 | 11141301 | 11078209 | 11157539 | 11125683 | 0.38 | cps |
| Tin | 118-1 | 3650205 | 3646125 | 3623980 | 3640103 | 0.39 | cps |
| Titanium | 47-1 | 2573347 | 2556030 | 2560091 | 2563156 | 0.35 | cps |
| Uranium | 238-1 | 16405670 | 16357039 | 16247590 | 16336767 | 0.50 | cps |
| Vanadium | 51-2 | 304452 | 306594 | 308921 | 306656 | 0.73 | cps |
| Yttrium | 89-1 | 5769798 | 5710600 | 5791651 | 5757350 | 0.73 | cps |
| Yttrium | 89-2 | 173172 | 176990 | 177433 | 175865 | 1.33 | cps |
| Zinc | 66-2 | 149795 | 150013 | 150314 | 150041 | 0.17 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:29:40 | DataFile Name : | 018CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 7292766 | 7271612 | 7266696 | 7277024 | 0.19 | cps |
| Zirconium | 91-1 | 1647546 | 1624569 | 1620920 | 1631012 | 0.89 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:32:52 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 40 | 10 | 23 | 24 | 62.36 | cps |
| Antimony | 121-1 | 11789 | 9662 | 9112 | 10188 | 13.88 | cps |
| Arsenic | 75-1 | 425 | 583 | 475 | 494 | 16.37 | cps |
| Barium | 135-1 | 142 | 258 | 150 | 183 | 35.50 | cps |
| Barium | 137-1 | 283 | 292 | 225 | 267 | 13.62 | cps |
| Beryllium | 9-1 | 372 | 500 | 417 | 430 | 15.10 | cps |
| Bismuth | 209-1 | 5751616 | 5767744 | 5465676 | 5661678 | 3.00 | cps |
| Bismuth | 209-2 | 1323427 | 1279832 | 1185609 | 1262956 | 5.58 | cps |
| Boron | 10-1 | 2950 | 2767 | 2459 | 2725 | 9.12 | cps |
| Boron | 11-1 | 14917 | 13098 | 12039 | 13351 | 10.90 | cps |
| Cadmium | 111-1 | 1109 | 1024 | 873 | 1002 | 11.92 | cps |
| Cadmium | 106-1 | 1400 | 1350 | 1125 | 1292 | 11.34 | cps |
| Cadmium | 108-1 | 13 | 13 | 21 | 15 | 31.48 | cps |
| Calcium | 43-1 | 533 | 325 | 508 | 456 | 24.97 | cps |
| Calcium | 44-1 | 14792 | 14934 | 14968 | 14898 | 0.63 | cps |
| Chromium | 52-2 | 520 | 493 | 457 | 490 | 6.49 | cps |
| Cobalt | 59-2 | 80 | 67 | 67 | 71 | 10.82 | cps |
| Copper | 63-2 | 387 | 417 | 437 | 413 | 6.09 | cps |
| Dysprosium | 156-1 | 8 | 0 | 25 | 11 | 114.58 | cps |
| Dysprosium | 156-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Erbium | 164-1 | 42 | 50 | 50 | 47 | 10.18 | cps |
| Erbium | 164-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Gadolinium | 160-1 | 42 | 50 | 75 | 56 | 31.22 | cps |
| Gadolinium | 160-2 | 3 | 3 | 7 | 4 | 43.40 | cps |
| Holmium | 165-1 | 7898293 | 7867897 | 7595724 | 7787305 | 2.14 | cps |
| Holmium | 165-2 | 1558571 | 1515484 | 1394988 | 1489681 | 5.69 | cps |
| Indium | 115-1 | 5876410 | 5886253 | 5672542 | 5811735 | 2.08 | cps |
| Indium | 115-2 | 238505 | 230776 | 211262 | 226848 | 6.19 | cps |
| Iron | 56-2 | 4406 | 4156 | 3684 | 4082 | 8.99 | cps |
| Iron | 57-2 | 128 | 100 | 133 | 120 | 14.84 | cps |
| Krypton | 83-1 | 340 | 440 | 393 | 391 | 12.79 | cps |
| Lead | 206-1 | 1050 | 945 | 950 | 982 | 6.05 | cps |
| Lead | 207-1 | 883 | 867 | 883 | 878 | 1.10 | cps |
| Lead | 208-1 | 4123 | 3861 | 4106 | 4030 | 3.63 | cps |
| Lithium | 6-1 | 981919 | 988219 | 982140 | 984093 | 0.36 | cps |
| Magnesium | 24-2 | 458 | 608 | 633 | 567 | 16.70 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:32:52 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 23 | 43 | 53 | 40 | 38.19 | cps |
| Molybdenum | 94-1 | 3409 | 3059 | 2659 | 3042 | 12.34 | cps |
| Molybdenum | 95-1 | 4401 | 3717 | 3609 | 3909 | 10.98 | cps |
| Molybdenum | 96-1 | 4960 | 4343 | 4259 | 4520 | 8.46 | cps |
| Molybdenum | 97-1 | 2934 | 2642 | 2217 | 2598 | 13.88 | cps |
| Molybdenum | 98-1 | 7302 | 6343 | 5326 | 6324 | 15.63 | cps |
| Neodymium | 150-1 | 0 | 7 | 0 | 2 | 173.21 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 287 | 390 | 400 | 359 | 17.48 | cps |
| Phosphorus | 31-2 | 8 | 8 | 0 | 6 | 86.60 | cps |
| Potassium | 39-2 | 2725 | 2609 | 2800 | 2711 | 3.56 | cps |
| Rhodium | 103-1 | 5482651 | 5384345 | 5250958 | 5372651 | 2.16 | cps |
| Rhodium | 103-2 | 1364517 | 1327833 | 1212786 | 1301712 | 6.08 | cps |
| Scandium | 45-1 | 3139221 | 3154618 | 3051985 | 3115275 | 1.78 | cps |
| Scandium | 45-2 | 22261 | 21380 | 19664 | 21102 | 6.26 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 2 | 2 | 2 | 2 | 0.00 | cps |
| Selenium | 82-1 | 32 | -76 | -35 | -27 | -204.63 | cps |
| Silicon | 28-1 | 185944 | 187144 | 185083 | 186057 | 0.56 | cps |
| Silver | 109-1 | 533 | 683 | 617 | 611 | 12.30 | cps |
| Silver | 107-1 | 492 | 600 | 467 | 519 | 13.64 | cps |
| Sodium | 23-2 | 10062 | 9287 | 9479 | 9609 | 4.20 | cps |
| Strontium | 86-1 | 533 | 542 | 658 | 578 | 12.10 | cps |
| Strontium | 88-1 | 500 | 392 | 417 | 436 | 13.01 | cps |
| Sulfur | 34-1 | 291618 | 289947 | 293934 | 291833 | 0.69 | cps |
| Terbium | 159-1 | 8155307 | 8084679 | 7785472 | 8008486 | 2.45 | cps |
| Terbium | 159-2 | 1503333 | 1466760 | 1339779 | 1436624 | 5.98 | cps |
| Thallium | 203-1 | 2050 | 1817 | 1709 | 1859 | 9.40 | cps |
| Thallium | 205-1 | 4618 | 4201 | 4051 | 4290 | 6.85 | cps |
| Tin | 118-1 | 2592 | 2467 | 2225 | 2428 | 7.68 | cps |
| Titanium | 47-1 | 292 | 217 | 225 | 244 | 16.82 | cps |
| Uranium | 238-1 | 658 | 617 | 583 | 619 | 6.07 | cps |
| Vanadium | 51-2 | 23 | 10 | 10 | 14 | 53.28 | cps |
| Yttrium | 89-1 | 5895483 | 5851963 | 5717545 | 5821664 | 1.59 | cps |
| Yttrium | 89-2 | 170150 | 163286 | 150281 | 161239 | 6.26 | cps |
| Zinc | 66-2 | 63 | 80 | 77 | 73 | 12.03 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB88 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB88 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:32:52 | DataFile Name : | 019CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 2209 | 2217 | 1984 | 2136 | 6.20 | cps |
| Zirconium | 91-1 | 458 | 500 | 425 | 461 | 8.15 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:43:10 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 140 | 118 | 140 | 133 | 9.81 | cps |
| Antimony | 121-1 | 23138 | 22795 | 22712 | 22882 | 0.99 | cps |
| Arsenic | 75-1 | 2784 | 2825 | 3034 | 2881 | 4.65 | cps |
| Barium | 135-1 | 22603 | 22904 | 22921 | 22809 | 0.78 | cps |
| Barium | 137-1 | 40145 | 40254 | 40070 | 40157 | 0.23 | cps |
| Beryllium | 9-1 | 1478 | 1639 | 1395 | 1504 | 8.26 | cps |
| Bismuth | 209-1 | 5759908 | 5645879 | 5657884 | 5687890 | 1.10 | cps |
| Bismuth | 209-2 | 1423936 | 1439626 | 1453277 | 1438947 | 1.02 | cps |
| Boron | 10-1 | 4493 | 4501 | 4593 | 4529 | 1.23 | cps |
| Boron | 11-1 | 21484 | 21542 | 22661 | 21895 | 3.03 | cps |
| Cadmium | 111-1 | 3305 | 3136 | 3325 | 3255 | 3.19 | cps |
| Cadmium | 106-1 | 1358 | 1458 | 1559 | 1458 | 6.86 | cps |
| Cadmium | 108-1 | 179 | 217 | 154 | 183 | 17.16 | cps |
| Calcium | 43-1 | 10771 | 11197 | 11180 | 11049 | 2.18 | cps |
| Calcium | 44-1 | 184589 | 184337 | 183357 | 184094 | 0.35 | cps |
| Chromium | 52-2 | 2300 | 2360 | 2270 | 2310 | 1.98 | cps |
| Cobalt | 59-2 | 2240 | 1907 | 1904 | 2017 | 9.59 | cps |
| Copper | 63-2 | 3801 | 3957 | 3721 | 3826 | 3.15 | cps |
| Dysprosium | 156-1 | 0 | 25 | 8 | 11 | 114.58 | cps |
| Dysprosium | 156-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Erbium | 164-1 | 92 | 58 | 42 | 64 | 39.85 | cps |
| Erbium | 164-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Gadolinium | 160-1 | 42 | 83 | 50 | 58 | 37.80 | cps |
| Gadolinium | 160-2 | 7 | 10 | 3 | 7 | 50.03 | cps |
| Holmium | 165-1 | 7969303 | 7890765 | 7967535 | 7942534 | 0.56 | cps |
| Holmium | 165-2 | 1689772 | 1715238 | 1726135 | 1710382 | 1.09 | cps |
| Indium | 115-1 | 6000279 | 5987184 | 6023342 | 6003602 | 0.30 | cps |
| Indium | 115-2 | 259208 | 261717 | 263930 | 261618 | 0.90 | cps |
| Iron | 56-2 | 32383 | 32917 | 32460 | 32587 | 0.89 | cps |
| Iron | 57-2 | 828 | 817 | 883 | 843 | 4.24 | cps |
| Krypton | 83-1 | 403 | 343 | 427 | 391 | 10.99 | cps |
| Lead | 206-1 | 8553 | 8420 | 8503 | 8492 | 0.79 | cps |
| Lead | 207-1 | 7880 | 7202 | 7569 | 7551 | 4.50 | cps |
| Lead | 208-1 | 35532 | 34264 | 34503 | 34766 | 1.94 | cps |
| Lithium | 6-1 | 998968 | 1000805 | 991555 | 997109 | 0.49 | cps |
| Magnesium | 24-2 | 15801 | 16185 | 16185 | 16057 | 1.38 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:43:10 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 337 | 313 | 397 | 349 | 12.32 | cps |
| Molybdenum | 94-1 | 18981 | 18730 | 19515 | 19075 | 2.10 | cps |
| Molybdenum | 95-1 | 21743 | 23012 | 22110 | 22289 | 2.93 | cps |
| Molybdenum | 96-1 | 24957 | 24890 | 25274 | 25041 | 0.82 | cps |
| Molybdenum | 97-1 | 13741 | 14458 | 13899 | 14033 | 2.69 | cps |
| Molybdenum | 98-1 | 35205 | 37210 | 36918 | 36444 | 2.97 | cps |
| Neodymium | 150-1 | 13 | 13 | 0 | 9 | 86.60 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 1070 | 850 | 987 | 969 | 11.46 | cps |
| Phosphorus | 31-2 | 0 | 0 | 8 | 3 | 173.21 | cps |
| Potassium | 39-2 | 10738 | 11130 | 10846 | 10905 | 1.86 | cps |
| Rhodium | 103-1 | 5611614 | 5540244 | 5546879 | 5566246 | 0.71 | cps |
| Rhodium | 103-2 | 1497862 | 1500931 | 1508312 | 1502368 | 0.36 | cps |
| Scandium | 45-1 | 3189511 | 3224897 | 3283244 | 3232551 | 1.46 | cps |
| Scandium | 45-2 | 24405 | 24308 | 25119 | 24611 | 1.80 | cps |
| Selenium | 77-2 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Selenium | 78-2 | 24 | 19 | 24 | 22 | 14.42 | cps |
| Selenium | 82-1 | 694 | 762 | 636 | 697 | 8.99 | cps |
| Silicon | 28-1 | 249330 | 248678 | 250228 | 249412 | 0.31 | cps |
| Silver | 109-1 | 11547 | 12156 | 11639 | 11781 | 2.79 | cps |
| Silver | 107-1 | 12006 | 11364 | 12098 | 11822 | 3.38 | cps |
| Sodium | 23-2 | 42431 | 42740 | 43049 | 42740 | 0.72 | cps |
| Strontium | 86-1 | 3101 | 3484 | 3259 | 3281 | 5.87 | cps |
| Strontium | 88-1 | 24490 | 23913 | 23596 | 24000 | 1.89 | cps |
| Sulfur | 34-1 | 303521 | 310247 | 308515 | 307428 | 1.14 | cps |
| Terbium | 159-1 | 8132827 | 8133782 | 8190771 | 8152460 | 0.41 | cps |
| Terbium | 159-2 | 1629142 | 1654091 | 1655484 | 1646239 | 0.90 | cps |
| Thallium | 203-1 | 10138 | 9871 | 10413 | 10141 | 2.67 | cps |
| Thallium | 205-1 | 25393 | 24116 | 24024 | 24511 | 3.12 | cps |
| Tin | 118-1 | 38607 | 38632 | 37921 | 38387 | 1.05 | cps |
| Titanium | 47-1 | 5368 | 5435 | 5810 | 5537 | 4.30 | cps |
| Uranium | 238-1 | 32987 | 31926 | 31608 | 32174 | 2.24 | cps |
| Vanadium | 51-2 | 3270 | 3150 | 3020 | 3147 | 3.97 | cps |
| Yttrium | 89-1 | 6029706 | 6067384 | 6027156 | 6041415 | 0.37 | cps |
| Yttrium | 89-2 | 187430 | 188675 | 188657 | 188254 | 0.38 | cps |
| Zinc | 66-2 | 473 | 430 | 493 | 466 | 6.95 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CRI | Instrumnet Name : | P8 |
| Client Sample ID : | CRI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:43:10 | DataFile Name : | 021LLCC.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 17011 | 16461 | 16119 | 16530 | 2.72 | cps |
| Zirconium | 91-1 | 3817 | 3626 | 3492 | 3645 | 4.48 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BL | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:46:34 | DataFile Name : | 022CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 15 | 25 | 20 | 20 | 25.02 | cps |
| Antimony | 121-1 | 867 | 775 | 867 | 836 | 6.33 | cps |
| Arsenic | 75-1 | 183 | 142 | 167 | 164 | 12.79 | cps |
| Barium | 135-1 | 42 | 33 | 0 | 25 | 88.19 | cps |
| Barium | 137-1 | 58 | 25 | 50 | 44 | 39.04 | cps |
| Beryllium | 9-1 | 167 | 144 | 133 | 148 | 11.45 | cps |
| Bismuth | 209-1 | 5785289 | 5762016 | 5687141 | 5744815 | 0.89 | cps |
| Bismuth | 209-2 | 1438698 | 1433096 | 1443788 | 1438527 | 0.37 | cps |
| Boron | 10-1 | 875 | 1033 | 817 | 908 | 12.34 | cps |
| Boron | 11-1 | 4701 | 4534 | 4368 | 4534 | 3.68 | cps |
| Cadmium | 111-1 | 966 | 831 | 826 | 875 | 9.10 | cps |
| Cadmium | 106-1 | 1367 | 1183 | 1167 | 1239 | 8.96 | cps |
| Cadmium | 108-1 | 4 | 8 | 4 | 6 | 43.22 | cps |
| Calcium | 43-1 | 292 | 267 | 267 | 275 | 5.25 | cps |
| Calcium | 44-1 | 11989 | 11831 | 12506 | 12109 | 2.92 | cps |
| Chromium | 52-2 | 477 | 417 | 463 | 452 | 6.97 | cps |
| Cobalt | 59-2 | 47 | 50 | 33 | 43 | 20.36 | cps |
| Copper | 63-2 | 327 | 283 | 290 | 300 | 7.78 | cps |
| Dysprosium | 156-1 | 17 | 17 | 8 | 14 | 34.67 | cps |
| Dysprosium | 156-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Erbium | 164-1 | 17 | 42 | 25 | 28 | 45.82 | cps |
| Erbium | 164-2 | 0 | 3 | 10 | 4 | 114.60 | cps |
| Gadolinium | 160-1 | 17 | 67 | 83 | 56 | 62.45 | cps |
| Gadolinium | 160-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Holmium | 165-1 | 8017988 | 7920672 | 7861497 | 7933386 | 1.00 | cps |
| Holmium | 165-2 | 1742106 | 1707425 | 1714700 | 1721410 | 1.06 | cps |
| Indium | 115-1 | 6015660 | 5955134 | 5901955 | 5957583 | 0.95 | cps |
| Indium | 115-2 | 265792 | 259791 | 265833 | 263805 | 1.32 | cps |
| Iron | 56-2 | 1628 | 1545 | 1667 | 1613 | 3.87 | cps |
| Iron | 57-2 | 50 | 44 | 67 | 54 | 21.53 | cps |
| Krypton | 83-1 | 380 | 407 | 403 | 397 | 3.66 | cps |
| Lead | 206-1 | 483 | 478 | 489 | 483 | 1.15 | cps |
| Lead | 207-1 | 478 | 511 | 433 | 474 | 8.23 | cps |
| Lead | 208-1 | 1833 | 2089 | 1883 | 1935 | 7.00 | cps |
| Lithium | 6-1 | 993370 | 984819 | 982107 | 986765 | 0.60 | cps |
| Magnesium | 24-2 | 425 | 575 | 525 | 508 | 15.02 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BL | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:46:34 | DataFile Name : | 022CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 27 | 37 | 27 | 30 | 19.24 | cps |
| Molybdenum | 94-1 | 450 | 608 | 533 | 531 | 14.93 | cps |
| Molybdenum | 95-1 | 358 | 350 | 358 | 356 | 1.35 | cps |
| Molybdenum | 96-1 | 500 | 467 | 483 | 483 | 3.45 | cps |
| Molybdenum | 97-1 | 275 | 300 | 208 | 261 | 18.15 | cps |
| Molybdenum | 98-1 | 558 | 592 | 708 | 619 | 12.72 | cps |
| Neodymium | 150-1 | 0 | 20 | 13 | 11 | 91.66 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 333 | 350 | 340 | 341 | 2.46 | cps |
| Phosphorus | 31-2 | 0 | 17 | 8 | 8 | 100.02 | cps |
| Potassium | 39-2 | 2350 | 2459 | 2375 | 2395 | 2.37 | cps |
| Rhodium | 103-1 | 5630695 | 5572265 | 5463850 | 5555603 | 1.52 | cps |
| Rhodium | 103-2 | 1508029 | 1537835 | 1524435 | 1523433 | 0.98 | cps |
| Scandium | 45-1 | 3271364 | 3272726 | 3241470 | 3261854 | 0.54 | cps |
| Scandium | 45-2 | 24699 | 23747 | 25356 | 24601 | 3.29 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 6 | 2 | 0 | 2 | 114.63 | cps |
| Selenium | 82-1 | 18 | -49 | -82 | -38 | -134.34 | cps |
| Silicon | 28-1 | 191255 | 186941 | 186081 | 188092 | 1.47 | cps |
| Silver | 109-1 | 225 | 183 | 175 | 194 | 13.78 | cps |
| Silver | 107-1 | 225 | 125 | 208 | 186 | 28.79 | cps |
| Sodium | 23-2 | 8253 | 8186 | 7853 | 8097 | 2.65 | cps |
| Strontium | 86-1 | 608 | 558 | 583 | 583 | 4.29 | cps |
| Strontium | 88-1 | 125 | 142 | 142 | 136 | 7.07 | cps |
| Sulfur | 34-1 | 310603 | 310937 | 313764 | 311768 | 0.56 | cps |
| Terbium | 159-1 | 8219614 | 8138353 | 8032057 | 8130008 | 1.16 | cps |
| Terbium | 159-2 | 1653525 | 1656335 | 1686136 | 1665332 | 1.09 | cps |
| Thallium | 203-1 | 475 | 592 | 467 | 511 | 13.67 | cps |
| Thallium | 205-1 | 1250 | 1267 | 1008 | 1175 | 12.30 | cps |
| Tin | 118-1 | 1033 | 975 | 950 | 986 | 4.34 | cps |
| Titanium | 47-1 | 67 | 83 | 117 | 89 | 28.64 | cps |
| Uranium | 238-1 | 67 | 33 | 25 | 42 | 52.91 | cps |
| Vanadium | 51-2 | 13 | 10 | 3 | 9 | 57.30 | cps |
| Yttrium | 89-1 | 6060849 | 6012474 | 5948117 | 6007147 | 0.94 | cps |
| Yttrium | 89-2 | 189863 | 187166 | 190679 | 189236 | 0.97 | cps |
| Zinc | 66-2 | 60 | 37 | 63 | 53 | 27.24 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BL | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:46:34 | DataFile Name : | 022CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 992 | 1125 | 767 | 961 | 18.84 | cps |
| Zirconium | 91-1 | 225 | 150 | 308 | 228 | 34.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BS | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:49:58 | DataFile Name : | 023LCS6.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 63991 | 63519 | 63203 | 63571 | 0.62 | cps |
| Antimony | 121-1 | 5283493 | 5240499 | 5286225 | 5270072 | 0.49 | cps |
| Arsenic | 75-1 | 1237304 | 1241352 | 1243589 | 1240748 | 0.26 | cps |
| Barium | 135-1 | 5585656 | 5580266 | 5566939 | 5577620 | 0.17 | cps |
| Barium | 137-1 | 9735056 | 9643091 | 9699784 | 9692644 | 0.48 | cps |
| Beryllium | 9-1 | 634607 | 625366 | 630294 | 630089 | 0.73 | cps |
| Bismuth | 209-1 | 5678860 | 5713224 | 5714652 | 5702245 | 0.36 | cps |
| Bismuth | 209-2 | 1397087 | 1422261 | 1397105 | 1405485 | 1.03 | cps |
| Boron | 10-1 | 69226 | 72350 | 71420 | 70998 | 2.26 | cps |
| Boron | 11-1 | 337488 | 347324 | 356264 | 347025 | 2.71 | cps |
| Cadmium | 111-1 | 1164963 | 1169683 | 1160566 | 1165070 | 0.39 | cps |
| Cadmium | 106-1 | 123511 | 121048 | 122418 | 122326 | 1.01 | cps |
| Cadmium | 108-1 | 83566 | 83687 | 83821 | 83691 | 0.15 | cps |
| Calcium | 43-1 | 1040207 | 1033077 | 1037118 | 1036801 | 0.34 | cps |
| Calcium | 44-1 | 16968565 | 16862136 | 16969130 | 16933277 | 0.36 | cps |
| Chromium | 52-2 | 416131 | 414049 | 413564 | 414581 | 0.33 | cps |
| Cobalt | 59-2 | 919526 | 916678 | 912764 | 916322 | 0.37 | cps |
| Copper | 63-2 | 1626490 | 1600005 | 1628842 | 1618446 | 0.99 | cps |
| Dysprosium | 156-1 | 75 | 33 | 92 | 67 | 45.07 | cps |
| Dysprosium | 156-2 | 17 | 13 | 3 | 11 | 62.48 | cps |
| Erbium | 164-1 | 58 | 8 | 50 | 39 | 68.89 | cps |
| Erbium | 164-2 | 10 | 3 | 0 | 4 | 114.60 | cps |
| Gadolinium | 160-1 | 92 | 67 | 108 | 89 | 23.59 | cps |
| Gadolinium | 160-2 | 20 | 0 | 17 | 12 | 87.67 | cps |
| Holmium | 165-1 | 8089682 | 8114545 | 8025517 | 8076581 | 0.57 | cps |
| Holmium | 165-2 | 1718370 | 1739622 | 1708745 | 1722246 | 0.92 | cps |
| Indium | 115-1 | 5865089 | 5849947 | 5796761 | 5837266 | 0.61 | cps |
| Indium | 115-2 | 250806 | 254275 | 248740 | 251274 | 1.11 | cps |
| Iron | 56-2 | 14547517 | 14474313 | 14373670 | 14465167 | 0.60 | cps |
| Iron | 57-2 | 367630 | 361810 | 360663 | 363368 | 1.03 | cps |
| Krypton | 83-1 | 353 | 383 | 433 | 390 | 10.36 | cps |
| Lead | 206-1 | 3832559 | 3818433 | 3809321 | 3820104 | 0.31 | cps |
| Lead | 207-1 | 3512084 | 3498824 | 3506980 | 3505963 | 0.19 | cps |
| Lead | 208-1 | 15640301 | 15604610 | 15692267 | 15645726 | 0.28 | cps |
| Lithium | 6-1 | 998794 | 988939 | 972040 | 986591 | 1.37 | cps |
| Magnesium | 24-2 | 1517840 | 1491189 | 1502030 | 1503686 | 0.89 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BS | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:49:58 | DataFile Name : | 023LCS6.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 247423 | 245118 | 245105 | 245882 | 0.54 | cps |
| Molybdenum | 94-1 | 8614427 | 8564605 | 8583876 | 8587636 | 0.29 | cps |
| Molybdenum | 95-1 | 10661302 | 10528952 | 10534023 | 10574759 | 0.71 | cps |
| Molybdenum | 96-1 | 11793933 | 11748220 | 11829584 | 11790579 | 0.35 | cps |
| Molybdenum | 97-1 | 6738030 | 6653692 | 6653044 | 6681588 | 0.73 | cps |
| Molybdenum | 98-1 | 17163273 | 17163541 | 17088115 | 17138310 | 0.25 | cps |
| Neodymium | 150-1 | 213 | 187 | 247 | 216 | 13.95 | cps |
| Neodymium | 150-2 | 13 | 3 | 17 | 11 | 62.48 | cps |
| Nickel | 60-2 | 270556 | 269714 | 268314 | 269528 | 0.42 | cps |
| Phosphorus | 31-2 | 4459 | 4209 | 4243 | 4304 | 3.16 | cps |
| Potassium | 39-2 | 384563 | 386485 | 382155 | 384401 | 0.56 | cps |
| Rhodium | 103-1 | 5375993 | 5356809 | 5348065 | 5360289 | 0.27 | cps |
| Rhodium | 103-2 | 1436663 | 1457959 | 1423222 | 1439282 | 1.22 | cps |
| Scandium | 45-1 | 3209687 | 3203248 | 3221789 | 3211575 | 0.29 | cps |
| Scandium | 45-2 | 24111 | 24782 | 23704 | 24199 | 2.25 | cps |
| Selenium | 77-2 | 337 | 393 | 420 | 383 | 11.10 | cps |
| Selenium | 78-2 | 1387 | 1332 | 1274 | 1331 | 4.24 | cps |
| Selenium | 82-1 | 67885 | 68058 | 67831 | 67925 | 0.17 | cps |
| Silicon | 28-1 | 2130762 | 2143085 | 2128035 | 2133961 | 0.38 | cps |
| Silver | 109-1 | 5398226 | 5356251 | 5356473 | 5370317 | 0.45 | cps |
| Silver | 107-1 | 5569268 | 5525062 | 5575382 | 5556571 | 0.49 | cps |
| Sodium | 23-2 | 3264935 | 3232456 | 3242087 | 3246493 | 0.51 | cps |
| Strontium | 86-1 | 1310523 | 1317716 | 1318757 | 1315665 | 0.34 | cps |
| Strontium | 88-1 | 11400698 | 11383424 | 11311608 | 11365244 | 0.42 | cps |
| Sulfur | 34-1 | 594545 | 587732 | 585509 | 589262 | 0.80 | cps |
| Terbium | 159-1 | 8234831 | 8213423 | 8210150 | 8219468 | 0.16 | cps |
| Terbium | 159-2 | 1671053 | 1677735 | 1665301 | 1671363 | 0.37 | cps |
| Thallium | 203-1 | 4678127 | 4703120 | 4668047 | 4683098 | 0.39 | cps |
| Thallium | 205-1 | 11178573 | 11060226 | 11239342 | 11159380 | 0.82 | cps |
| Tin | 118-1 | 3672952 | 3630213 | 3637308 | 3646824 | 0.63 | cps |
| Titanium | 47-1 | 2563043 | 2560184 | 2550726 | 2557984 | 0.25 | cps |
| Uranium | 238-1 | 15723070 | 15821840 | 15877537 | 15807482 | 0.49 | cps |
| Vanadium | 51-2 | 308226 | 305980 | 303286 | 305831 | 0.81 | cps |
| Yttrium | 89-1 | 6049566 | 6039787 | 5976271 | 6021875 | 0.66 | cps |
| Yttrium | 89-2 | 185251 | 187376 | 181662 | 184763 | 1.56 | cps |
| Zinc | 66-2 | 154229 | 155452 | 151907 | 153863 | 1.17 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | PB113693BS | Instrumnet Name : | P8 |
| Client Sample ID : | PB113693BS | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:49:58 | DataFile Name : | 023LCS6.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 7140804 | 7135685 | 7130033 | 7135507 | 0.08 | cps |
| Zirconium | 91-1 | 1606808 | 1613281 | 1613466 | 1611185 | 0.24 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919022.0-CHRISTIAN | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:53:22 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 130 | 145 | 95 | 123 | 20.80 | cps |
| Antimony | 121-1 | 8420 | 7919 | 7419 | 7919 | 6.32 | cps |
| Arsenic | 75-1 | 11422 | 12139 | 12531 | 12031 | 4.68 | cps |
| Barium | 135-1 | 6343 | 6468 | 6660 | 6491 | 2.46 | cps |
| Barium | 137-1 | 11364 | 10838 | 11105 | 11102 | 2.37 | cps |
| Beryllium | 9-1 | 417 | 417 | 456 | 430 | 5.23 | cps |
| Bismuth | 209-1 | 6269153 | 6310005 | 6312172 | 6297110 | 0.38 | cps |
| Bismuth | 209-2 | 1515473 | 1517176 | 1499745 | 1510798 | 0.64 | cps |
| Boron | 10-1 | 5318 | 4793 | 4643 | 4918 | 7.21 | cps |
| Boron | 11-1 | 24171 | 23812 | 22377 | 23453 | 4.05 | cps |
| Cadmium | 111-1 | 1143 | 1039 | 1106 | 1096 | 4.79 | cps |
| Cadmium | 106-1 | 1467 | 1308 | 1433 | 1403 | 5.95 | cps |
| Cadmium | 108-1 | 13 | 8 | 21 | 14 | 45.83 | cps |
| Calcium | 43-1 | 18121 | 17503 | 18688 | 18104 | 3.27 | cps |
| Calcium | 44-1 | 311613 | 307662 | 304487 | 307921 | 1.16 | cps |
| Chromium | 52-2 | 643 | 537 | 630 | 603 | 9.63 | cps |
| Cobalt | 59-2 | 47 | 90 | 63 | 67 | 32.79 | cps |
| Copper | 63-2 | 74398 | 74468 | 72967 | 73944 | 1.15 | cps |
| Dysprosium | 156-1 | 17 | 8 | 0 | 8 | 100.02 | cps |
| Dysprosium | 156-2 | 3 | 7 | 0 | 3 | 100.05 | cps |
| Erbium | 164-1 | 50 | 17 | 50 | 39 | 49.48 | cps |
| Erbium | 164-2 | 7 | 3 | 3 | 4 | 43.40 | cps |
| Gadolinium | 160-1 | 58 | 92 | 67 | 72 | 24.02 | cps |
| Gadolinium | 160-2 | 10 | 7 | 3 | 7 | 50.03 | cps |
| Holmium | 165-1 | 8894679 | 8833205 | 8701761 | 8809882 | 1.12 | cps |
| Holmium | 165-2 | 1834258 | 1824723 | 1813578 | 1824186 | 0.57 | cps |
| Indium | 115-1 | 6522436 | 6498905 | 6437398 | 6486246 | 0.68 | cps |
| Indium | 115-2 | 270124 | 271557 | 268815 | 270165 | 0.51 | cps |
| Iron | 56-2 | 7463 | 7575 | 6996 | 7345 | 4.18 | cps |
| Iron | 57-2 | 167 | 183 | 217 | 189 | 13.48 | cps |
| Krypton | 83-1 | 333 | 417 | 397 | 382 | 11.38 | cps |
| Lead | 206-1 | 5601 | 5407 | 5185 | 5398 | 3.86 | cps |
| Lead | 207-1 | 4846 | 5001 | 4312 | 4720 | 7.66 | cps |
| Lead | 208-1 | 22709 | 21897 | 20429 | 21678 | 5.33 | cps |
| Lithium | 6-1 | 1083594 | 1062290 | 1054535 | 1066806 | 1.41 | cps |
| Magnesium | 24-2 | 3417 | 3459 | 3367 | 3414 | 1.34 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919022.0-CHRISTIAN | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:53:22 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1073 | 1127 | 1020 | 1073 | 4.97 | cps |
| Molybdenum | 94-1 | 3567 | 2842 | 2800 | 3070 | 14.05 | cps |
| Molybdenum | 95-1 | 4943 | 4084 | 3951 | 4326 | 12.44 | cps |
| Molybdenum | 96-1 | 5026 | 4693 | 4601 | 4773 | 4.69 | cps |
| Molybdenum | 97-1 | 2967 | 2934 | 2634 | 2845 | 6.46 | cps |
| Molybdenum | 98-1 | 7761 | 6735 | 6419 | 6972 | 10.07 | cps |
| Neodymium | 150-1 | 7 | 20 | 13 | 13 | 49.99 | cps |
| Neodymium | 150-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Nickel | 60-2 | 783 | 900 | 773 | 819 | 8.60 | cps |
| Phosphorus | 31-2 | 8 | 0 | 0 | 3 | 173.21 | cps |
| Potassium | 39-2 | 8019 | 8186 | 8128 | 8111 | 1.04 | cps |
| Rhodium | 103-1 | 5950844 | 5909696 | 5843483 | 5901341 | 0.92 | cps |
| Rhodium | 103-2 | 1565551 | 1552978 | 1579394 | 1565974 | 0.84 | cps |
| Scandium | 45-1 | 3477610 | 3472832 | 3406275 | 3452239 | 1.16 | cps |
| Scandium | 45-2 | 25126 | 24859 | 25149 | 25045 | 0.64 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 6 | 2 | 4 | 4 | 50.09 | cps |
| Selenium | 82-1 | -14 | -50 | -47 | -37 | -54.91 | cps |
| Silicon | 28-1 | 34818363 | 34270409 | 33769088 | 34285954 | 1.53 | cps |
| Silver | 109-1 | 1600 | 2059 | 2500 | 2053 | 21.92 | cps |
| Silver | 107-1 | 1884 | 2317 | 2734 | 2311 | 18.39 | cps |
| Sodium | 23-2 | 8670707 | 8636688 | 8556566 | 8621320 | 0.68 | cps |
| Strontium | 86-1 | 20283 | 19907 | 19907 | 20032 | 1.08 | cps |
| Strontium | 88-1 | 177144 | 175297 | 174240 | 175561 | 0.84 | cps |
| Sulfur | 34-1 | 822681 | 812765 | 797686 | 811044 | 1.55 | cps |
| Terbium | 159-1 | 9063317 | 8970842 | 8928918 | 8987693 | 0.77 | cps |
| Terbium | 159-2 | 1791320 | 1769780 | 1734115 | 1765072 | 1.64 | cps |
| Thallium | 203-1 | 3442 | 3376 | 3301 | 3373 | 2.10 | cps |
| Thallium | 205-1 | 8203 | 7953 | 7469 | 7875 | 4.74 | cps |
| Tin | 118-1 | 4793 | 4709 | 4759 | 4754 | 0.88 | cps |
| Titanium | 47-1 | 600 | 467 | 600 | 556 | 13.86 | cps |
| Uranium | 238-1 | 3467 | 3109 | 3034 | 3203 | 7.23 | cps |
| Vanadium | 51-2 | 20 | 23 | 37 | 27 | 33.08 | cps |
| Yttrium | 89-1 | 6515037 | 6559280 | 6405422 | 6493246 | 1.22 | cps |
| Yttrium | 89-2 | 194456 | 190566 | 191066 | 192029 | 1.10 | cps |
| Zinc | 66-2 | 1407 | 1497 | 1300 | 1401 | 7.03 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919022.0-CHRISTIAN | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:53:22 | DataFile Name : | 024SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1784 | 1867 | 1508 | 1720 | 10.91 | cps |
| Zirconium | 91-1 | 317 | 383 | 400 | 367 | 12.03 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919024.1-HAMMILL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:56:44 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 128 | 160 | 130 | 139 | 12.99 | cps |
| Antimony | 121-1 | 3509 | 3159 | 3367 | 3345 | 5.26 | cps |
| Arsenic | 75-1 | 28430 | 29274 | 29023 | 28909 | 1.50 | cps |
| Barium | 135-1 | 75733 | 73547 | 73806 | 74362 | 1.61 | cps |
| Barium | 137-1 | 131179 | 130044 | 128739 | 129987 | 0.94 | cps |
| Beryllium | 9-1 | 233 | 322 | 267 | 274 | 16.39 | cps |
| Bismuth | 209-1 | 6349088 | 6348456 | 6237753 | 6311765 | 1.02 | cps |
| Bismuth | 209-2 | 1540017 | 1519978 | 1515155 | 1525050 | 0.86 | cps |
| Boron | 10-1 | 7277 | 7486 | 7494 | 7419 | 1.66 | cps |
| Boron | 11-1 | 37550 | 36932 | 36806 | 37096 | 1.07 | cps |
| Cadmium | 111-1 | 872 | 1091 | 1011 | 991 | 11.15 | cps |
| Cadmium | 106-1 | 1142 | 1392 | 1283 | 1272 | 9.86 | cps |
| Cadmium | 108-1 | 21 | 13 | 29 | 21 | 40.01 | cps |
| Calcium | 43-1 | 354920 | 348200 | 349284 | 350801 | 1.03 | cps |
| Calcium | 44-1 | 5810066 | 5730164 | 5711430 | 5750553 | 0.91 | cps |
| Chromium | 52-2 | 840 | 863 | 850 | 851 | 1.38 | cps |
| Cobalt | 59-2 | 63 | 40 | 67 | 57 | 25.64 | cps |
| Copper | 63-2 | 4051 | 3814 | 3747 | 3871 | 4.12 | cps |
| Dysprosium | 156-1 | 8 | 25 | 33 | 22 | 57.29 | cps |
| Dysprosium | 156-2 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Erbium | 164-1 | 42 | 75 | 50 | 56 | 31.22 | cps |
| Erbium | 164-2 | 3 | 0 | 7 | 3 | 100.05 | cps |
| Gadolinium | 160-1 | 25 | 75 | 50 | 50 | 50.00 | cps |
| Gadolinium | 160-2 | 20 | 3 | 10 | 11 | 75.52 | cps |
| Holmium | 165-1 | 8922515 | 8843077 | 8759103 | 8841565 | 0.92 | cps |
| Holmium | 165-2 | 1858540 | 1827375 | 1815455 | 1833790 | 1.21 | cps |
| Indium | 115-1 | 6519889 | 6508707 | 6423429 | 6484008 | 0.81 | cps |
| Indium | 115-2 | 272089 | 272098 | 268917 | 271034 | 0.68 | cps |
| Iron | 56-2 | 18724 | 18329 | 18079 | 18377 | 1.77 | cps |
| Iron | 57-2 | 572 | 511 | 428 | 504 | 14.39 | cps |
| Krypton | 83-1 | 350 | 277 | 420 | 349 | 20.54 | cps |
| Lead | 206-1 | 4117 | 3917 | 3956 | 3997 | 2.65 | cps |
| Lead | 207-1 | 3473 | 3495 | 3251 | 3406 | 3.97 | cps |
| Lead | 208-1 | 15760 | 15504 | 15026 | 15430 | 2.41 | cps |
| Lithium | 6-1 | 1087562 | 1076666 | 1056622 | 1073616 | 1.46 | cps |
| Magnesium | 24-2 | 363688 | 360465 | 360792 | 361648 | 0.49 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919024.1-HAMMILL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:56:44 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 4698 | 4798 | 4588 | 4694 | 2.24 | cps |
| Molybdenum | 94-1 | 7953 | 7828 | 7427 | 7736 | 3.55 | cps |
| Molybdenum | 95-1 | 12173 | 12006 | 12306 | 12162 | 1.24 | cps |
| Molybdenum | 96-1 | 13541 | 13532 | 12690 | 13254 | 3.69 | cps |
| Molybdenum | 97-1 | 7794 | 8069 | 7236 | 7700 | 5.52 | cps |
| Molybdenum | 98-1 | 20783 | 19840 | 20116 | 20246 | 2.39 | cps |
| Neodymium | 150-1 | 0 | 13 | 20 | 11 | 91.66 | cps |
| Neodymium | 150-2 | 0 | 10 | 7 | 6 | 91.64 | cps |
| Nickel | 60-2 | 653 | 557 | 550 | 587 | 9.86 | cps |
| Phosphorus | 31-2 | 8 | 0 | 8 | 6 | 86.60 | cps |
| Potassium | 39-2 | 22819 | 21834 | 21976 | 22210 | 2.40 | cps |
| Rhodium | 103-1 | 5915701 | 5915215 | 5838222 | 5889713 | 0.76 | cps |
| Rhodium | 103-2 | 1596278 | 1591714 | 1564621 | 1584205 | 1.08 | cps |
| Scandium | 45-1 | 3478197 | 3427950 | 3406752 | 3437633 | 1.07 | cps |
| Scandium | 45-2 | 25106 | 25470 | 24438 | 25005 | 2.09 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 4 | 2 | 0 | 2 | 100.00 | cps |
| Selenium | 82-1 | -8 | 16 | -46 | -13 | -246.05 | cps |
| Silicon | 28-1 | 42673416 | 42325278 | 42104608 | 42367767 | 0.68 | cps |
| Silver | 109-1 | 2559 | 2734 | 2775 | 2689 | 4.28 | cps |
| Silver | 107-1 | 2734 | 3317 | 3042 | 3031 | 9.63 | cps |
| Sodium | 23-2 | 4709476 | 4632329 | 4627978 | 4656594 | 0.98 | cps |
| Strontium | 86-1 | 349268 | 345506 | 340843 | 345206 | 1.22 | cps |
| Strontium | 88-1 | 3113011 | 3029282 | 3010438 | 3050911 | 1.79 | cps |
| Sulfur | 34-1 | 456892 | 454785 | 452137 | 454605 | 0.52 | cps |
| Terbium | 159-1 | 9111347 | 9013055 | 8907125 | 9010509 | 1.13 | cps |
| Terbium | 159-2 | 1777271 | 1757822 | 1773633 | 1769575 | 0.58 | cps |
| Thallium | 203-1 | 1275 | 1250 | 1367 | 1297 | 4.73 | cps |
| Thallium | 205-1 | 3101 | 3567 | 3534 | 3401 | 7.66 | cps |
| Tin | 118-1 | 3567 | 3884 | 3651 | 3701 | 4.44 | cps |
| Titanium | 47-1 | 592 | 500 | 500 | 531 | 9.97 | cps |
| Uranium | 238-1 | 46304 | 45024 | 45024 | 45451 | 1.63 | cps |
| Vanadium | 51-2 | 33 | 33 | 23 | 30 | 19.25 | cps |
| Yttrium | 89-1 | 6604617 | 6539703 | 6435959 | 6526760 | 1.30 | cps |
| Yttrium | 89-2 | 194121 | 193378 | 193149 | 193550 | 0.26 | cps |
| Zinc | 66-2 | 4304 | 4471 | 4504 | 4426 | 2.42 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919024.1-HAMMILL | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 13:56:44 | DataFile Name : | 025SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1158 | 1233 | 1167 | 1186 | 3.47 | cps |
| Zirconium | 91-1 | 325 | 250 | 217 | 264 | 21.03 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919025.2-JACOB | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:00:06 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 135 | 120 | 88 | 114 | 21.27 | cps |
| Antimony | 121-1 | 2434 | 2467 | 2684 | 2528 | 5.37 | cps |
| Arsenic | 75-1 | 118782 | 119827 | 119306 | 119305 | 0.44 | cps |
| Barium | 135-1 | 22645 | 23738 | 23463 | 23282 | 2.44 | cps |
| Barium | 137-1 | 40539 | 41148 | 41449 | 41045 | 1.13 | cps |
| Beryllium | 9-1 | 300 | 389 | 339 | 343 | 13.01 | cps |
| Bismuth | 209-1 | 6374551 | 6342260 | 6375429 | 6364080 | 0.30 | cps |
| Bismuth | 209-2 | 1536883 | 1538813 | 1540028 | 1538575 | 0.10 | cps |
| Boron | 10-1 | 13448 | 14016 | 14107 | 13857 | 2.58 | cps |
| Boron | 11-1 | 67928 | 68640 | 70047 | 68872 | 1.57 | cps |
| Cadmium | 111-1 | 1048 | 1037 | 992 | 1026 | 2.92 | cps |
| Cadmium | 106-1 | 1342 | 1367 | 1325 | 1345 | 1.56 | cps |
| Cadmium | 108-1 | 17 | 4 | 33 | 18 | 81.02 | cps |
| Calcium | 43-1 | 4366818 | 4321467 | 4241680 | 4309988 | 1.47 | cps |
| Calcium | 44-1 | 69818416 | 69043785 | 68657149 | 69173117 | 0.85 | cps |
| Chromium | 52-2 | 553 | 620 | 590 | 588 | 5.68 | cps |
| Cobalt | 59-2 | 80 | 53 | 50 | 61 | 26.91 | cps |
| Copper | 63-2 | 119935 | 118772 | 117112 | 118606 | 1.20 | cps |
| Dysprosium | 156-1 | 25 | 33 | 25 | 28 | 17.33 | cps |
| Dysprosium | 156-2 | 0 | 0 | 7 | 2 | 173.21 | cps |
| Erbium | 164-1 | 25 | 33 | 58 | 39 | 44.62 | cps |
| Erbium | 164-2 | 0 | 7 | 7 | 4 | 86.60 | cps |
| Gadolinium | 160-1 | 50 | 42 | 75 | 56 | 31.23 | cps |
| Gadolinium | 160-2 | 10 | 10 | 3 | 8 | 49.52 | cps |
| Holmium | 165-1 | 8953779 | 8948474 | 8936639 | 8946297 | 0.10 | cps |
| Holmium | 165-2 | 1889406 | 1875505 | 1862330 | 1875747 | 0.72 | cps |
| Indium | 115-1 | 6596012 | 6561286 | 6488517 | 6548605 | 0.84 | cps |
| Indium | 115-2 | 269171 | 268418 | 267583 | 268391 | 0.30 | cps |
| Iron | 56-2 | 3556 | 3334 | 3223 | 3371 | 5.04 | cps |
| Iron | 57-2 | 150 | 150 | 183 | 161 | 11.94 | cps |
| Krypton | 83-1 | 347 | 333 | 333 | 338 | 2.28 | cps |
| Lead | 206-1 | 4323 | 4001 | 4045 | 4123 | 4.24 | cps |
| Lead | 207-1 | 3667 | 3673 | 3701 | 3680 | 0.49 | cps |
| Lead | 208-1 | 16505 | 16138 | 16532 | 16392 | 1.34 | cps |
| Lithium | 6-1 | 1070305 | 1071760 | 1074554 | 1072206 | 0.20 | cps |
| Magnesium | 24-2 | 420648 | 420293 | 414375 | 418438 | 0.84 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919025.2-JACOB | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:00:06 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 2640 | 2397 | 2387 | 2475 | 5.80 | cps |
| Molybdenum | 94-1 | 6102 | 6068 | 5893 | 6021 | 1.86 | cps |
| Molybdenum | 95-1 | 9012 | 8620 | 8453 | 8695 | 3.30 | cps |
| Molybdenum | 96-1 | 9871 | 9562 | 9320 | 9584 | 2.88 | cps |
| Molybdenum | 97-1 | 5351 | 5068 | 5610 | 5343 | 5.07 | cps |
| Molybdenum | 98-1 | 14250 | 14308 | 14133 | 14230 | 0.63 | cps |
| Neodymium | 150-1 | 47 | 7 | 53 | 36 | 70.98 | cps |
| Neodymium | 150-2 | 3 | 3 | 0 | 2 | 86.60 | cps |
| Nickel | 60-2 | 857 | 700 | 743 | 767 | 10.55 | cps |
| Phosphorus | 31-2 | 0 | 8 | 0 | 3 | 173.21 | cps |
| Potassium | 39-2 | 21792 | 22160 | 21659 | 21870 | 1.19 | cps |
| Rhodium | 103-1 | 5900796 | 5880331 | 5858233 | 5879787 | 0.36 | cps |
| Rhodium | 103-2 | 1548368 | 1548567 | 1554045 | 1550327 | 0.21 | cps |
| Scandium | 45-1 | 3408949 | 3445017 | 3397230 | 3417065 | 0.73 | cps |
| Scandium | 45-2 | 24482 | 24171 | 23947 | 24200 | 1.11 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 4 | 6 | 2 | 4 | 50.09 | cps |
| Selenium | 82-1 | 21 | 42 | 9 | 24 | 70.29 | cps |
| Silicon | 28-1 | 58601966 | 58110528 | 57595003 | 58102499 | 0.87 | cps |
| Silver | 109-1 | 2159 | 2534 | 2875 | 2523 | 14.21 | cps |
| Silver | 107-1 | 2475 | 2384 | 3234 | 2698 | 17.30 | cps |
| Sodium | 23-2 | 1802484 | 1803005 | 1799740 | 1801743 | 0.10 | cps |
| Strontium | 86-1 | 28811060 | 28542213 | 28661103 | 28671459 | 0.47 | cps |
| Strontium | 88-1 | 248616797 | 245970481 | 247009306 | 247198861 | 0.54 | cps |
| Sulfur | 34-1 | 3734279 | 3655639 | 3662005 | 3683974 | 1.19 | cps |
| Terbium | 159-1 | 9193509 | 9116046 | 9123740 | 9144432 | 0.47 | cps |
| Terbium | 159-2 | 1823327 | 1815593 | 1788041 | 1808987 | 1.03 | cps |
| Thallium | 203-1 | 825 | 1025 | 825 | 892 | 12.95 | cps |
| Thallium | 205-1 | 2350 | 2167 | 1975 | 2164 | 8.67 | cps |
| Tin | 118-1 | 4234 | 4201 | 4418 | 4284 | 2.72 | cps |
| Titanium | 47-1 | 733 | 533 | 617 | 628 | 16.00 | cps |
| Uranium | 238-1 | 7661 | 7436 | 7586 | 7561 | 1.52 | cps |
| Vanadium | 51-2 | 27 | 30 | 20 | 26 | 19.92 | cps |
| Yttrium | 89-1 | 6656235 | 6515985 | 6491788 | 6554669 | 1.35 | cps |
| Yttrium | 89-2 | 190102 | 190144 | 189214 | 189820 | 0.28 | cps |
| Zinc | 66-2 | 7862 | 7822 | 8029 | 7905 | 1.39 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919025.2-JACOB | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:00:06 | DataFile Name : | 026SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 2509 | 2950 | 2767 | 2742 | 8.09 | cps |
| Zirconium | 91-1 | 500 | 750 | 625 | 625 | 20.00 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 3809190333.0-MACKEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:03:29 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 115 | 128 | 113 | 118 | 6.79 | cps |
| Antimony | 121-1 | 3676 | 3767 | 3567 | 3670 | 2.73 | cps |
| Arsenic | 75-1 | 21050 | 21735 | 21726 | 21504 | 1.83 | cps |
| Barium | 135-1 | 35549 | 34613 | 34897 | 35020 | 1.37 | cps |
| Barium | 137-1 | 62565 | 61109 | 61034 | 61569 | 1.40 | cps |
| Beryllium | 9-1 | 144 | 194 | 211 | 183 | 18.92 | cps |
| Bismuth | 209-1 | 6566337 | 6503361 | 6436367 | 6502022 | 1.00 | cps |
| Bismuth | 209-2 | 1548737 | 1548494 | 1437898 | 1511710 | 4.23 | cps |
| Boron | 10-1 | 2375 | 2450 | 2550 | 2459 | 3.57 | cps |
| Boron | 11-1 | 13140 | 12806 | 12848 | 12931 | 1.41 | cps |
| Cadmium | 111-1 | 1039 | 1152 | 997 | 1063 | 7.53 | cps |
| Cadmium | 106-1 | 1383 | 1475 | 1267 | 1375 | 7.59 | cps |
| Cadmium | 108-1 | 13 | 8 | 21 | 14 | 45.83 | cps |
| Calcium | 43-1 | 1168230 | 1161982 | 1142232 | 1157481 | 1.17 | cps |
| Calcium | 44-1 | 19204114 | 18780053 | 18768788 | 18917652 | 1.31 | cps |
| Chromium | 52-2 | 763 | 780 | 803 | 782 | 2.57 | cps |
| Cobalt | 59-2 | 77 | 50 | 73 | 67 | 21.80 | cps |
| Copper | 63-2 | 52733 | 51555 | 51508 | 51932 | 1.34 | cps |
| Dysprosium | 156-1 | 17 | 17 | 33 | 22 | 43.28 | cps |
| Dysprosium | 156-2 | 3 | 0 | 7 | 3 | 100.05 | cps |
| Erbium | 164-1 | 25 | 100 | 33 | 53 | 77.89 | cps |
| Erbium | 164-2 | 0 | 7 | 7 | 4 | 86.60 | cps |
| Gadolinium | 160-1 | 67 | 33 | 50 | 50 | 33.34 | cps |
| Gadolinium | 160-2 | 10 | 7 | 17 | 11 | 45.82 | cps |
| Holmium | 165-1 | 9089236 | 8927158 | 8872474 | 8962956 | 1.26 | cps |
| Holmium | 165-2 | 1855259 | 1854112 | 1714914 | 1808095 | 4.46 | cps |
| Indium | 115-1 | 6564457 | 6587257 | 6447315 | 6533010 | 1.15 | cps |
| Indium | 115-2 | 266681 | 264922 | 250944 | 260849 | 3.31 | cps |
| Iron | 56-2 | 13346 | 12678 | 12556 | 12860 | 3.30 | cps |
| Iron | 57-2 | 428 | 350 | 272 | 350 | 22.22 | cps |
| Krypton | 83-1 | 350 | 317 | 267 | 311 | 13.48 | cps |
| Lead | 206-1 | 6835 | 7325 | 6891 | 7017 | 3.82 | cps |
| Lead | 207-1 | 5935 | 6113 | 5840 | 5963 | 2.32 | cps |
| Lead | 208-1 | 27846 | 28185 | 27268 | 27767 | 1.67 | cps |
| Lithium | 6-1 | 1077065 | 1071427 | 1073564 | 1074019 | 0.27 | cps |
| Magnesium | 24-2 | 224427 | 220957 | 219991 | 221792 | 1.05 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 3809190333.0-MACKEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:03:29 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1407 | 1370 | 1457 | 1411 | 3.08 | cps |
| Molybdenum | 94-1 | 3951 | 3967 | 3767 | 3895 | 2.85 | cps |
| Molybdenum | 95-1 | 6243 | 6794 | 6627 | 6555 | 4.31 | cps |
| Molybdenum | 96-1 | 7336 | 7044 | 6777 | 7052 | 3.96 | cps |
| Molybdenum | 97-1 | 4009 | 3842 | 4326 | 4059 | 6.05 | cps |
| Molybdenum | 98-1 | 10588 | 10521 | 10288 | 10466 | 1.51 | cps |
| Neodymium | 150-1 | 33 | 47 | 27 | 36 | 28.64 | cps |
| Neodymium | 150-2 | 3 | 3 | 7 | 4 | 43.40 | cps |
| Nickel | 60-2 | 703 | 810 | 773 | 762 | 7.11 | cps |
| Phosphorus | 31-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Potassium | 39-2 | 45400 | 45616 | 45910 | 45642 | 0.56 | cps |
| Rhodium | 103-1 | 5986493 | 5899897 | 5904083 | 5930158 | 0.82 | cps |
| Rhodium | 103-2 | 1557162 | 1543590 | 1468882 | 1523211 | 3.12 | cps |
| Scandium | 45-1 | 3412390 | 3352484 | 3384753 | 3383209 | 0.89 | cps |
| Scandium | 45-2 | 23694 | 23103 | 21744 | 22847 | 4.38 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 4 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 82-1 | 22 | 66 | 130 | 72 | 74.97 | cps |
| Silicon | 28-1 | 34067981 | 33695460 | 33176434 | 33646625 | 1.33 | cps |
| Silver | 109-1 | 2342 | 2100 | 2292 | 2245 | 5.68 | cps |
| Silver | 107-1 | 2117 | 2142 | 2342 | 2200 | 5.61 | cps |
| Sodium | 23-2 | 778973 | 767661 | 763782 | 770139 | 1.02 | cps |
| Strontium | 86-1 | 803768 | 791295 | 784492 | 793185 | 1.23 | cps |
| Strontium | 88-1 | 7025493 | 6906606 | 6870258 | 6934119 | 1.17 | cps |
| Sulfur | 34-1 | 590726 | 586801 | 581845 | 586457 | 0.76 | cps |
| Terbium | 159-1 | 9267593 | 9115338 | 9124867 | 9169266 | 0.93 | cps |
| Terbium | 159-2 | 1762787 | 1777871 | 1662683 | 1734447 | 3.61 | cps |
| Thallium | 203-1 | 583 | 608 | 650 | 614 | 5.49 | cps |
| Thallium | 205-1 | 1475 | 1592 | 1509 | 1525 | 3.94 | cps |
| Tin | 118-1 | 3192 | 2975 | 3084 | 3084 | 3.51 | cps |
| Titanium | 47-1 | 533 | 425 | 542 | 500 | 13.02 | cps |
| Uranium | 238-1 | 108673 | 107655 | 107453 | 107927 | 0.61 | cps |
| Vanadium | 51-2 | 313 | 343 | 230 | 296 | 19.87 | cps |
| Yttrium | 89-1 | 6575906 | 6411166 | 6391326 | 6459466 | 1.57 | cps |
| Yttrium | 89-2 | 188058 | 186677 | 176040 | 183592 | 3.58 | cps |
| Zinc | 66-2 | 4981 | 5244 | 5198 | 5141 | 2.73 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 3809190333.0-MACKEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:03:29 | DataFile Name : | 027SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1067 | 900 | 967 | 978 | 8.58 | cps |
| Zirconium | 91-1 | 242 | 242 | 242 | 242 | 0.00 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919036.1-SCHLESIE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:06:50 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 115 | 105 | 123 | 114 | 7.69 | cps |
| Antimony | 121-1 | 2284 | 2550 | 2650 | 2495 | 7.60 | cps |
| Arsenic | 75-1 | 21810 | 22436 | 22845 | 22364 | 2.33 | cps |
| Barium | 135-1 | 1042444 | 1037996 | 1031903 | 1037448 | 0.51 | cps |
| Barium | 137-1 | 1872552 | 1872373 | 1858433 | 1867786 | 0.43 | cps |
| Beryllium | 9-1 | 178 | 206 | 167 | 183 | 10.93 | cps |
| Bismuth | 209-1 | 6546098 | 6561266 | 6548066 | 6551810 | 0.13 | cps |
| Bismuth | 209-2 | 1542257 | 1536533 | 1540523 | 1539771 | 0.19 | cps |
| Boron | 10-1 | 2000 | 1984 | 1867 | 1950 | 3.73 | cps |
| Boron | 11-1 | 10454 | 10104 | 9829 | 10129 | 3.09 | cps |
| Cadmium | 111-1 | 883 | 880 | 866 | 876 | 1.02 | cps |
| Cadmium | 106-1 | 1233 | 1192 | 1175 | 1200 | 2.50 | cps |
| Cadmium | 108-1 | 25 | 13 | 21 | 19 | 32.73 | cps |
| Calcium | 43-1 | 819958 | 806671 | 798665 | 808431 | 1.33 | cps |
| Calcium | 44-1 | 13505419 | 13228460 | 13170882 | 13301587 | 1.34 | cps |
| Chromium | 52-2 | 823 | 820 | 740 | 794 | 5.94 | cps |
| Cobalt | 59-2 | 60 | 57 | 60 | 59 | 3.26 | cps |
| Copper | 63-2 | 92307 | 91411 | 91582 | 91767 | 0.52 | cps |
| Dysprosium | 156-1 | 17 | 42 | 25 | 28 | 45.82 | cps |
| Dysprosium | 156-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Erbium | 164-1 | 17 | 67 | 33 | 39 | 65.46 | cps |
| Erbium | 164-2 | 3 | 7 | 17 | 9 | 78.08 | cps |
| Gadolinium | 160-1 | 58 | 58 | 33 | 50 | 28.86 | cps |
| Gadolinium | 160-2 | 10 | 3 | 3 | 6 | 69.34 | cps |
| Holmium | 165-1 | 9029616 | 8912666 | 8950340 | 8964207 | 0.67 | cps |
| Holmium | 165-2 | 1846263 | 1823516 | 1828664 | 1832814 | 0.65 | cps |
| Indium | 115-1 | 6555269 | 6363391 | 6431392 | 6450017 | 1.51 | cps |
| Indium | 115-2 | 261466 | 259208 | 260672 | 260449 | 0.44 | cps |
| Iron | 56-2 | 7552 | 7808 | 7769 | 7710 | 1.79 | cps |
| Iron | 57-2 | 183 | 239 | 217 | 213 | 13.13 | cps |
| Krypton | 83-1 | 353 | 353 | 310 | 339 | 7.38 | cps |
| Lead | 206-1 | 3495 | 3412 | 3551 | 3486 | 2.01 | cps |
| Lead | 207-1 | 2950 | 2906 | 3195 | 3017 | 5.16 | cps |
| Lead | 208-1 | 13698 | 13631 | 13514 | 13614 | 0.68 | cps |
| Lithium | 6-1 | 1074893 | 1064262 | 1060888 | 1066681 | 0.69 | cps |
| Magnesium | 24-2 | 268887 | 264391 | 267215 | 266831 | 0.85 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919036.1-SCHLESIE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:06:50 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 120 | 140 | 143 | 134 | 9.39 | cps |
| Molybdenum | 94-1 | 14759 | 13958 | 14300 | 14339 | 2.80 | cps |
| Molybdenum | 95-1 | 25157 | 25583 | 24657 | 25132 | 1.85 | cps |
| Molybdenum | 96-1 | 27286 | 26385 | 26777 | 26816 | 1.69 | cps |
| Molybdenum | 97-1 | 15676 | 15660 | 15793 | 15710 | 0.46 | cps |
| Molybdenum | 98-1 | 42050 | 40269 | 39350 | 40556 | 3.38 | cps |
| Neodymium | 150-1 | 27 | 33 | 47 | 36 | 28.64 | cps |
| Neodymium | 150-2 | 3 | 0 | 7 | 3 | 100.05 | cps |
| Nickel | 60-2 | 763 | 750 | 737 | 750 | 1.78 | cps |
| Phosphorus | 31-2 | 17 | 33 | 75 | 42 | 72.11 | cps |
| Potassium | 39-2 | 12748 | 12548 | 12940 | 12745 | 1.54 | cps |
| Rhodium | 103-1 | 5920859 | 5827410 | 5854419 | 5867563 | 0.82 | cps |
| Rhodium | 103-2 | 1537562 | 1503243 | 1511904 | 1517570 | 1.18 | cps |
| Scandium | 45-1 | 3348260 | 3311102 | 3231923 | 3297095 | 1.80 | cps |
| Scandium | 45-2 | 23113 | 22792 | 23186 | 23030 | 0.91 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 4 | 2 | 0 | 2 | 100.00 | cps |
| Selenium | 82-1 | 17 | 32 | 106 | 52 | 92.34 | cps |
| Silicon | 28-1 | 47934969 | 47188329 | 46941680 | 47354993 | 1.09 | cps |
| Silver | 109-1 | 1775 | 1934 | 2100 | 1936 | 8.39 | cps |
| Silver | 107-1 | 1767 | 2092 | 2025 | 1961 | 8.75 | cps |
| Sodium | 23-2 | 606768 | 596811 | 600052 | 601210 | 0.84 | cps |
| Strontium | 86-1 | 205709 | 209270 | 204660 | 206546 | 1.17 | cps |
| Strontium | 88-1 | 1853515 | 1840207 | 1822077 | 1838600 | 0.86 | cps |
| Sulfur | 34-1 | 402791 | 402519 | 396230 | 400513 | 0.93 | cps |
| Terbium | 159-1 | 9233867 | 9119738 | 9147808 | 9167138 | 0.65 | cps |
| Terbium | 159-2 | 1795894 | 1766245 | 1755896 | 1772678 | 1.17 | cps |
| Thallium | 203-1 | 292 | 492 | 450 | 411 | 25.67 | cps |
| Thallium | 205-1 | 1167 | 1100 | 1025 | 1097 | 6.46 | cps |
| Tin | 118-1 | 1734 | 1600 | 1642 | 1659 | 4.11 | cps |
| Titanium | 47-1 | 592 | 583 | 450 | 542 | 14.68 | cps |
| Uranium | 238-1 | 282647 | 280083 | 277117 | 279949 | 0.99 | cps |
| Vanadium | 51-2 | 230 | 230 | 287 | 249 | 13.14 | cps |
| Yttrium | 89-1 | 6414458 | 6355181 | 6358571 | 6376070 | 0.52 | cps |
| Yttrium | 89-2 | 183443 | 180744 | 180461 | 181549 | 0.91 | cps |
| Zinc | 66-2 | 3304 | 3187 | 3164 | 3218 | 2.33 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5337-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380919036.1-SCHLESIE | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:06:50 | DataFile Name : | 028SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 600 | 525 | 558 | 561 | 6.70 | cps |
| Zirconium | 91-1 | 150 | 125 | 142 | 139 | 9.16 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5338-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927051.9-GOODLIFF | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:10:13 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 125 | 108 | 78 | 103 | 23.25 | cps |
| Antimony | 121-1 | 2650 | 3025 | 2750 | 2809 | 6.91 | cps |
| Arsenic | 75-1 | 40678 | 42007 | 41564 | 41416 | 1.63 | cps |
| Barium | 135-1 | 228954 | 228607 | 224937 | 227499 | 0.98 | cps |
| Barium | 137-1 | 406103 | 404309 | 397528 | 402647 | 1.12 | cps |
| Beryllium | 9-1 | 133 | 94 | 100 | 109 | 19.25 | cps |
| Bismuth | 209-1 | 6556487 | 6422547 | 6371798 | 6450277 | 1.48 | cps |
| Bismuth | 209-2 | 1503038 | 1497624 | 1503208 | 1501290 | 0.21 | cps |
| Boron | 10-1 | 11964 | 13173 | 13048 | 12728 | 5.23 | cps |
| Boron | 11-1 | 61667 | 64596 | 64696 | 63653 | 2.70 | cps |
| Cadmium | 111-1 | 764 | 967 | 861 | 864 | 11.77 | cps |
| Cadmium | 106-1 | 975 | 1192 | 1150 | 1106 | 10.40 | cps |
| Cadmium | 108-1 | 21 | 13 | 21 | 18 | 26.64 | cps |
| Calcium | 43-1 | 799092 | 795794 | 793758 | 796215 | 0.34 | cps |
| Calcium | 44-1 | 13081519 | 12952852 | 12953492 | 12995954 | 0.57 | cps |
| Chromium | 52-2 | 1790 | 1880 | 1783 | 1818 | 2.97 | cps |
| Cobalt | 59-2 | 33 | 50 | 50 | 44 | 21.66 | cps |
| Copper | 63-2 | 9710 | 9917 | 9637 | 9755 | 1.49 | cps |
| Dysprosium | 156-1 | 50 | 25 | 8 | 28 | 75.51 | cps |
| Dysprosium | 156-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Erbium | 164-1 | 50 | 50 | 42 | 47 | 10.18 | cps |
| Erbium | 164-2 | 13 | 10 | 13 | 12 | 15.73 | cps |
| Gadolinium | 160-1 | 100 | 92 | 83 | 92 | 9.09 | cps |
| Gadolinium | 160-2 | 17 | 3 | 17 | 12 | 63.01 | cps |
| Holmium | 165-1 | 8888985 | 8778694 | 8759363 | 8809014 | 0.79 | cps |
| Holmium | 165-2 | 1809621 | 1777979 | 1811193 | 1799598 | 1.04 | cps |
| Indium | 115-1 | 6338753 | 6239853 | 6256898 | 6278501 | 0.84 | cps |
| Indium | 115-2 | 255049 | 253876 | 254958 | 254628 | 0.26 | cps |
| Iron | 56-2 | 17311 | 17906 | 17601 | 17606 | 1.69 | cps |
| Iron | 57-2 | 461 | 494 | 428 | 461 | 7.23 | cps |
| Krypton | 83-1 | 313 | 303 | 380 | 332 | 12.55 | cps |
| Lead | 206-1 | 7836 | 7475 | 7780 | 7697 | 2.53 | cps |
| Lead | 207-1 | 6674 | 6869 | 6363 | 6635 | 3.85 | cps |
| Lead | 208-1 | 31311 | 30571 | 30443 | 30775 | 1.52 | cps |
| Lithium | 6-1 | 1053247 | 1055174 | 1056839 | 1055087 | 0.17 | cps |
| Magnesium | 24-2 | 426340 | 417480 | 419824 | 421214 | 1.09 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5338-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927051.9-GOODLIFF | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:10:13 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 147 | 137 | 90 | 124 | 24.31 | cps |
| Molybdenum | 94-1 | 5060 | 5401 | 5293 | 5251 | 3.33 | cps |
| Molybdenum | 95-1 | 7811 | 8286 | 8078 | 8058 | 2.96 | cps |
| Molybdenum | 96-1 | 8795 | 8578 | 8862 | 8745 | 1.70 | cps |
| Molybdenum | 97-1 | 5110 | 4884 | 4818 | 4937 | 3.10 | cps |
| Molybdenum | 98-1 | 13124 | 13265 | 13065 | 13151 | 0.78 | cps |
| Neodymium | 150-1 | 13 | 47 | 27 | 29 | 58.08 | cps |
| Neodymium | 150-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Nickel | 60-2 | 567 | 497 | 490 | 518 | 8.20 | cps |
| Phosphorus | 31-2 | 17 | 25 | 8 | 17 | 50.01 | cps |
| Potassium | 39-2 | 14967 | 16135 | 16110 | 15737 | 4.24 | cps |
| Rhodium | 103-1 | 5726365 | 5677641 | 5717259 | 5707088 | 0.45 | cps |
| Rhodium | 103-2 | 1470216 | 1458264 | 1455691 | 1461390 | 0.53 | cps |
| Scandium | 45-1 | 3142423 | 3166516 | 3124104 | 3144347 | 0.68 | cps |
| Scandium | 45-2 | 22214 | 21800 | 21400 | 21805 | 1.87 | cps |
| Selenium | 77-2 | 3 | 3 | 0 | 2 | 86.60 | cps |
| Selenium | 78-2 | 6 | 4 | 0 | 3 | 91.69 | cps |
| Selenium | 82-1 | 118 | 113 | 97 | 109 | 10.09 | cps |
| Silicon | 28-1 | 39147346 | 38881259 | 38350703 | 38793103 | 1.05 | cps |
| Silver | 109-1 | 1617 | 1525 | 1634 | 1592 | 3.67 | cps |
| Silver | 107-1 | 1684 | 1692 | 1900 | 1759 | 6.98 | cps |
| Sodium | 23-2 | 616085 | 610410 | 610405 | 612300 | 0.54 | cps |
| Strontium | 86-1 | 2584758 | 2539577 | 2514028 | 2546121 | 1.41 | cps |
| Strontium | 88-1 | 21821225 | 21596315 | 21514486 | 21644009 | 0.73 | cps |
| Sulfur | 34-1 | 753743 | 752905 | 750897 | 752515 | 0.19 | cps |
| Terbium | 159-1 | 8957762 | 8908176 | 8914454 | 8926797 | 0.30 | cps |
| Terbium | 159-2 | 1735947 | 1721771 | 1723876 | 1727198 | 0.44 | cps |
| Thallium | 203-1 | 317 | 325 | 267 | 303 | 10.42 | cps |
| Thallium | 205-1 | 825 | 833 | 800 | 820 | 2.12 | cps |
| Tin | 118-1 | 3101 | 3234 | 2942 | 3092 | 4.72 | cps |
| Titanium | 47-1 | 500 | 500 | 517 | 506 | 1.90 | cps |
| Uranium | 238-1 | 59836 | 59962 | 60053 | 59951 | 0.18 | cps |
| Vanadium | 51-2 | 2830 | 2850 | 2914 | 2865 | 1.52 | cps |
| Yttrium | 89-1 | 6291694 | 6248497 | 6190773 | 6243655 | 0.81 | cps |
| Yttrium | 89-2 | 178189 | 176045 | 176244 | 176826 | 0.67 | cps |
| Zinc | 66-2 | 4097 | 4424 | 3997 | 4173 | 5.35 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5338-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927051.9-GOODLIFF | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:10:13 | DataFile Name : | 029SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1867 | 1942 | 1875 | 1895 | 2.17 | cps |
| Zirconium | 91-1 | 258 | 442 | 350 | 350 | 26.20 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5339-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927113.9-OCONNELI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:13:35 | DataFile Name : | 030SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 120 | 93 | 100 | 104 | 13.64 | cps |
| Antimony | 121-1 | 3067 | 2817 | 2892 | 2925 | 4.39 | cps |
| Arsenic | 75-1 | 37285 | 37544 | 37778 | 37535 | 0.66 | cps |
| Barium | 135-1 | 1092868 | 1071875 | 1065064 | 1076603 | 1.35 | cps |
| Barium | 137-1 | 1980827 | 1925487 | 1935143 | 1947152 | 1.52 | cps |
| Beryllium | 9-1 | 128 | 172 | 150 | 150 | 14.82 | cps |
| Bismuth | 209-1 | 6085366 | 6495162 | 6459920 | 6346816 | 3.58 | cps |
| Bismuth | 209-2 | 1499623 | 1486827 | 1496987 | 1494479 | 0.45 | cps |
| Boron | 10-1 | 16969 | 17169 | 17019 | 17053 | 0.61 | cps |
| Boron | 11-1 | 80534 | 81867 | 82160 | 81520 | 1.06 | cps |
| Cadmium | 111-1 | 815 | 922 | 712 | 816 | 12.87 | cps |
| Cadmium | 106-1 | 1167 | 1308 | 1000 | 1158 | 13.32 | cps |
| Cadmium | 108-1 | 21 | 21 | 13 | 18 | 26.64 | cps |
| Calcium | 43-1 | 1095817 | 1078740 | 1072406 | 1082321 | 1.12 | cps |
| Calcium | 44-1 | 17819936 | 17564250 | 17583497 | 17655894 | 0.81 | cps |
| Chromium | 52-2 | 1157 | 1007 | 1027 | 1063 | 7.66 | cps |
| Cobalt | 59-2 | 40 | 103 | 63 | 69 | 46.50 | cps |
| Copper | 63-2 | 35398 | 35773 | 35770 | 35647 | 0.60 | cps |
| Dysprosium | 156-1 | 50 | 17 | 33 | 33 | 50.00 | cps |
| Dysprosium | 156-2 | 10 | 3 | 3 | 6 | 69.34 | cps |
| Erbium | 164-1 | 50 | 67 | 42 | 53 | 24.12 | cps |
| Erbium | 164-2 | 10 | 3 | 13 | 9 | 57.30 | cps |
| Gadolinium | 160-1 | 75 | 67 | 83 | 75 | 11.11 | cps |
| Gadolinium | 160-2 | 7 | 13 | 17 | 12 | 41.65 | cps |
| Holmium | 165-1 | 8342816 | 8889342 | 8750511 | 8660890 | 3.28 | cps |
| Holmium | 165-2 | 1795655 | 1769804 | 1793981 | 1786480 | 0.81 | cps |
| Indium | 115-1 | 5970905 | 6301943 | 6242352 | 6171733 | 2.86 | cps |
| Indium | 115-2 | 252618 | 249685 | 250467 | 250923 | 0.61 | cps |
| Iron | 56-2 | 5651 | 5607 | 5568 | 5609 | 0.74 | cps |
| Iron | 57-2 | 139 | 150 | 122 | 137 | 10.20 | cps |
| Krypton | 83-1 | 360 | 273 | 343 | 326 | 14.13 | cps |
| Lead | 206-1 | 4112 | 3501 | 3567 | 3727 | 9.00 | cps |
| Lead | 207-1 | 3184 | 3034 | 3323 | 3180 | 4.54 | cps |
| Lead | 208-1 | 15182 | 14220 | 14270 | 14557 | 3.72 | cps |
| Lithium | 6-1 | 1007435 | 1081300 | 1067122 | 1051952 | 3.73 | cps |
| Magnesium | 24-2 | 582031 | 584799 | 578578 | 581803 | 0.54 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5339-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927113.9-OCONNELI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:13:35 | DataFile Name : | 030SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 187 | 170 | 100 | 152 | 30.21 | cps |
| Molybdenum | 94-1 | 3201 | 3401 | 3309 | 3303 | 3.03 | cps |
| Molybdenum | 95-1 | 5018 | 5001 | 5210 | 5076 | 2.28 | cps |
| Molybdenum | 96-1 | 5760 | 5960 | 5701 | 5807 | 2.33 | cps |
| Molybdenum | 97-1 | 3551 | 3326 | 2950 | 3276 | 9.26 | cps |
| Molybdenum | 98-1 | 8445 | 8370 | 8878 | 8564 | 3.21 | cps |
| Neodymium | 150-1 | 60 | 47 | 53 | 53 | 12.50 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 783 | 777 | 823 | 794 | 3.18 | cps |
| Phosphorus | 31-2 | 8 | 8 | 17 | 11 | 43.34 | cps |
| Potassium | 39-2 | 18663 | 18838 | 18563 | 18688 | 0.75 | cps |
| Rhodium | 103-1 | 5352779 | 5697124 | 5601785 | 5550562 | 3.20 | cps |
| Rhodium | 103-2 | 1454181 | 1434237 | 1442886 | 1443768 | 0.69 | cps |
| Scandium | 45-1 | 2997590 | 3177281 | 3178490 | 3117787 | 3.34 | cps |
| Scandium | 45-2 | 21607 | 21784 | 21443 | 21611 | 0.79 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 4 | 0 | 6 | 3 | 91.69 | cps |
| Selenium | 82-1 | 0 | 100 | 28 | 43 | 119.47 | cps |
| Silicon | 28-1 | 31487957 | 30942594 | 30736681 | 31055744 | 1.25 | cps |
| Silver | 109-1 | 1442 | 1425 | 1433 | 1433 | 0.58 | cps |
| Silver | 107-1 | 1550 | 1592 | 2042 | 1728 | 15.78 | cps |
| Sodium | 23-2 | 721537 | 709429 | 708358 | 713108 | 1.03 | cps |
| Strontium | 86-1 | 1561497 | 1540982 | 1546060 | 1549513 | 0.69 | cps |
| Strontium | 88-1 | 13299446 | 13185780 | 13153523 | 13212916 | 0.58 | cps |
| Sulfur | 34-1 | 386180 | 382889 | 383004 | 384024 | 0.49 | cps |
| Terbium | 159-1 | 8381558 | 9010491 | 8973085 | 8788378 | 4.01 | cps |
| Terbium | 159-2 | 1727129 | 1710896 | 1738856 | 1725627 | 0.81 | cps |
| Thallium | 203-1 | 200 | 250 | 225 | 225 | 11.11 | cps |
| Thallium | 205-1 | 592 | 642 | 675 | 636 | 6.59 | cps |
| Tin | 118-1 | 1859 | 1800 | 1767 | 1809 | 2.57 | cps |
| Titanium | 47-1 | 375 | 450 | 408 | 411 | 9.14 | cps |
| Uranium | 238-1 | 118013 | 117611 | 117323 | 117649 | 0.29 | cps |
| Vanadium | 51-2 | 1493 | 1443 | 1573 | 1503 | 4.36 | cps |
| Yttrium | 89-1 | 5860081 | 6203697 | 6145817 | 6069865 | 3.03 | cps |
| Yttrium | 89-2 | 175204 | 172882 | 174263 | 174116 | 0.67 | cps |
| Zinc | 66-2 | 2297 | 2394 | 2260 | 2317 | 2.97 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5339-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380927113.9-OCONNELI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:13:35 | DataFile Name : | 030SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1375 | 1083 | 1008 | 1156 | 16.76 | cps |
| Zirconium | 91-1 | 200 | 258 | 242 | 233 | 12.88 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:16:57 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 296197 | 296201 | 302214 | 298204 | 1.16 | cps |
| Antimony | 121-1 | 5047991 | 4991114 | 4978565 | 5005890 | 0.74 | cps |
| Arsenic | 75-1 | 1153625 | 1157090 | 1138080 | 1149598 | 0.88 | cps |
| Barium | 135-1 | 5564669 | 5500622 | 5411412 | 5492235 | 1.40 | cps |
| Barium | 137-1 | 9731406 | 9648833 | 9459268 | 9613169 | 1.45 | cps |
| Beryllium | 9-1 | 583360 | 579812 | 570931 | 578034 | 1.11 | cps |
| Bismuth | 209-1 | 5315397 | 5472199 | 5459866 | 5415821 | 1.61 | cps |
| Bismuth | 209-2 | 1322139 | 1310037 | 1324139 | 1318772 | 0.58 | cps |
| Boron | 10-1 | 67091 | 68891 | 68346 | 68109 | 1.36 | cps |
| Boron | 11-1 | 326456 | 332194 | 335254 | 331301 | 1.35 | cps |
| Cadmium | 111-1 | 1101202 | 1103907 | 1081761 | 1095623 | 1.10 | cps |
| Cadmium | 106-1 | 116971 | 115802 | 112955 | 115242 | 1.79 | cps |
| Cadmium | 108-1 | 78221 | 78565 | 77748 | 78178 | 0.52 | cps |
| Calcium | 43-1 | 4700157 | 4688853 | 4661095 | 4683368 | 0.43 | cps |
| Calcium | 44-1 | 75939910 | 76107831 | 75567041 | 75871594 | 0.36 | cps |
| Chromium | 52-2 | 386015 | 385116 | 390258 | 387130 | 0.71 | cps |
| Cobalt | 59-2 | 812080 | 821904 | 826182 | 820055 | 0.88 | cps |
| Copper | 63-2 | 1389370 | 1401341 | 1410932 | 1400548 | 0.77 | cps |
| Dysprosium | 156-1 | 108 | 25 | 142 | 92 | 65.56 | cps |
| Dysprosium | 156-2 | 3 | 17 | 23 | 14 | 70.51 | cps |
| Erbium | 164-1 | 25 | 33 | 33 | 31 | 15.74 | cps |
| Erbium | 164-2 | 17 | 7 | 7 | 10 | 57.72 | cps |
| Gadolinium | 160-1 | 142 | 125 | 75 | 114 | 30.46 | cps |
| Gadolinium | 160-2 | 30 | 17 | 7 | 18 | 65.83 | cps |
| Holmium | 165-1 | 7681434 | 7772067 | 7885992 | 7779831 | 1.32 | cps |
| Holmium | 165-2 | 1672183 | 1640638 | 1666987 | 1659936 | 1.02 | cps |
| Indium | 115-1 | 5206812 | 5325664 | 5368008 | 5300162 | 1.58 | cps |
| Indium | 115-2 | 224170 | 224189 | 225099 | 224486 | 0.24 | cps |
| Iron | 56-2 | 63082438 | 63694408 | 63986392 | 63587746 | 0.73 | cps |
| Iron | 57-2 | 1632154 | 1675230 | 1665079 | 1657488 | 1.36 | cps |
| Krypton | 83-1 | 333 | 270 | 333 | 312 | 11.71 | cps |
| Lead | 206-1 | 3966316 | 3910213 | 3896947 | 3924492 | 0.94 | cps |
| Lead | 207-1 | 3637649 | 3638531 | 3546120 | 3607433 | 1.47 | cps |
| Lead | 208-1 | 16150729 | 16158058 | 15885303 | 16064696 | 0.97 | cps |
| Lithium | 6-1 | 864968 | 874618 | 875900 | 871828 | 0.69 | cps |
| Magnesium | 24-2 | 6300162 | 6344257 | 6407657 | 6350692 | 0.85 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:16:57 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 216997 | 218688 | 219814 | 218500 | 0.65 | cps |
| Molybdenum | 94-1 | 8376935 | 8240297 | 8239049 | 8285427 | 0.96 | cps |
| Molybdenum | 95-1 | 10241825 | 10237098 | 10084568 | 10187831 | 0.88 | cps |
| Molybdenum | 96-1 | 11473486 | 11316111 | 11145316 | 11311638 | 1.45 | cps |
| Molybdenum | 97-1 | 6472860 | 6486310 | 6352505 | 6437225 | 1.14 | cps |
| Molybdenum | 98-1 | 16746090 | 16513860 | 16377064 | 16545672 | 1.13 | cps |
| Neodymium | 150-1 | 300 | 313 | 233 | 282 | 15.19 | cps |
| Neodymium | 150-2 | 10 | 10 | 13 | 11 | 17.30 | cps |
| Nickel | 60-2 | 245908 | 247552 | 248181 | 247214 | 0.47 | cps |
| Phosphorus | 31-2 | 3959 | 3742 | 3934 | 3878 | 3.06 | cps |
| Potassium | 39-2 | 1640872 | 1654328 | 1684376 | 1659858 | 1.34 | cps |
| Rhodium | 103-1 | 4698227 | 4766506 | 4786290 | 4750341 | 0.97 | cps |
| Rhodium | 103-2 | 1281056 | 1274417 | 1288081 | 1281184 | 0.53 | cps |
| Scandium | 45-1 | 2728261 | 2800780 | 2839054 | 2789365 | 2.02 | cps |
| Scandium | 45-2 | 20145 | 20432 | 20565 | 20381 | 1.05 | cps |
| Selenium | 77-2 | 323 | 260 | 357 | 313 | 15.67 | cps |
| Selenium | 78-2 | 1265 | 1269 | 1165 | 1233 | 4.77 | cps |
| Selenium | 82-1 | 63989 | 63111 | 61968 | 63022 | 1.61 | cps |
| Silicon | 28-1 | 1890539 | 1859601 | 1831525 | 1860555 | 1.59 | cps |
| Silver | 109-1 | 5014150 | 5040420 | 4951531 | 5002033 | 0.91 | cps |
| Silver | 107-1 | 5231523 | 5171426 | 5130304 | 5177751 | 0.98 | cps |
| Sodium | 23-2 | 13935191 | 13950453 | 14036740 | 13974128 | 0.39 | cps |
| Strontium | 86-1 | 1258952 | 1249306 | 1227925 | 1245394 | 1.27 | cps |
| Strontium | 88-1 | 11026184 | 10868468 | 10752832 | 10882495 | 1.26 | cps |
| Sulfur | 34-1 | 555506 | 555916 | 549726 | 553716 | 0.63 | cps |
| Terbium | 159-1 | 7821172 | 7995745 | 8008118 | 7941678 | 1.32 | cps |
| Terbium | 159-2 | 1598194 | 1572545 | 1600253 | 1590330 | 0.97 | cps |
| Thallium | 203-1 | 4896696 | 4848085 | 4763770 | 4836184 | 1.39 | cps |
| Thallium | 205-1 | 11554383 | 11498157 | 11399665 | 11484068 | 0.68 | cps |
| Tin | 118-1 | 3557181 | 3555943 | 3496173 | 3536432 | 0.99 | cps |
| Titanium | 47-1 | 2400983 | 2360351 | 2343449 | 2368261 | 1.25 | cps |
| Uranium | 238-1 | 17068421 | 17228267 | 16884702 | 17060463 | 1.01 | cps |
| Vanadium | 51-2 | 274499 | 274761 | 278136 | 275798 | 0.74 | cps |
| Yttrium | 89-1 | 5289342 | 5475681 | 5434965 | 5399996 | 1.81 | cps |
| Yttrium | 89-2 | 162271 | 162227 | 163923 | 162807 | 0.59 | cps |
| Zinc | 66-2 | 134026 | 135275 | 135642 | 134981 | 0.63 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:16:57 | DataFile Name : | 031SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 7036299 | 6925756 | 6810152 | 6924069 | 1.63 | cps |
| Zirconium | 91-1 | 1552147 | 1576778 | 1528891 | 1552605 | 1.54 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:20:10 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20 | 23 | 40 | 28 | 39.61 | cps |
| Antimony | 121-1 | 11297 | 10321 | 10029 | 10549 | 6.29 | cps |
| Arsenic | 75-1 | 1092 | 1083 | 883 | 1020 | 11.57 | cps |
| Barium | 135-1 | 383 | 317 | 308 | 336 | 12.23 | cps |
| Barium | 137-1 | 567 | 425 | 508 | 500 | 14.24 | cps |
| Beryllium | 9-1 | 417 | 389 | 428 | 411 | 4.87 | cps |
| Bismuth | 209-1 | 5929535 | 5988892 | 6007269 | 5975232 | 0.68 | cps |
| Bismuth | 209-2 | 1413905 | 1442917 | 1435916 | 1430913 | 1.06 | cps |
| Boron | 10-1 | 3242 | 3059 | 2559 | 2953 | 11.98 | cps |
| Boron | 11-1 | 14625 | 13382 | 12089 | 13365 | 9.49 | cps |
| Cadmium | 111-1 | 882 | 1023 | 913 | 939 | 7.88 | cps |
| Cadmium | 106-1 | 1033 | 1308 | 1117 | 1153 | 12.23 | cps |
| Cadmium | 108-1 | 42 | 8 | 21 | 24 | 71.34 | cps |
| Calcium | 43-1 | 567 | 475 | 467 | 503 | 11.04 | cps |
| Calcium | 44-1 | 15509 | 14174 | 13549 | 14411 | 6.95 | cps |
| Chromium | 52-2 | 387 | 543 | 433 | 454 | 17.70 | cps |
| Cobalt | 59-2 | 67 | 67 | 50 | 61 | 15.75 | cps |
| Copper | 63-2 | 520 | 477 | 490 | 496 | 4.48 | cps |
| Dysprosium | 156-1 | 0 | 8 | 33 | 14 | 124.91 | cps |
| Dysprosium | 156-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Erbium | 164-1 | 25 | 33 | 42 | 33 | 25.01 | cps |
| Erbium | 164-2 | 7 | 13 | 0 | 7 | 99.98 | cps |
| Gadolinium | 160-1 | 8 | 67 | 25 | 33 | 90.15 | cps |
| Gadolinium | 160-2 | 0 | 3 | 3 | 2 | 86.60 | cps |
| Holmium | 165-1 | 8049534 | 8039565 | 8172115 | 8087071 | 0.91 | cps |
| Holmium | 165-2 | 1674631 | 1690425 | 1687178 | 1684078 | 0.50 | cps |
| Indium | 115-1 | 5807160 | 5797570 | 5801738 | 5802156 | 0.08 | cps |
| Indium | 115-2 | 238886 | 242206 | 242770 | 241287 | 0.87 | cps |
| Iron | 56-2 | 4362 | 3923 | 3451 | 3912 | 11.65 | cps |
| Iron | 57-2 | 72 | 133 | 83 | 96 | 33.81 | cps |
| Krypton | 83-1 | 353 | 360 | 390 | 368 | 5.31 | cps |
| Lead | 206-1 | 706 | 611 | 556 | 624 | 12.15 | cps |
| Lead | 207-1 | 539 | 511 | 594 | 548 | 7.74 | cps |
| Lead | 208-1 | 2884 | 2467 | 2489 | 2613 | 8.97 | cps |
| Lithium | 6-1 | 967223 | 964858 | 973280 | 968454 | 0.45 | cps |
| Magnesium | 24-2 | 667 | 525 | 550 | 581 | 13.02 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:20:10 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 40 | 27 | 47 | 38 | 26.95 | cps |
| Molybdenum | 94-1 | 3517 | 2959 | 2900 | 3126 | 10.90 | cps |
| Molybdenum | 95-1 | 4059 | 3467 | 3342 | 3623 | 10.57 | cps |
| Molybdenum | 96-1 | 4626 | 4134 | 3926 | 4229 | 8.50 | cps |
| Molybdenum | 97-1 | 2784 | 2234 | 2317 | 2445 | 12.13 | cps |
| Molybdenum | 98-1 | 7069 | 6118 | 5601 | 6263 | 11.88 | cps |
| Neodymium | 150-1 | 13 | 0 | 13 | 9 | 86.60 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 227 | 253 | 297 | 259 | 13.65 | cps |
| Phosphorus | 31-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Potassium | 39-2 | 2242 | 1959 | 2142 | 2114 | 6.80 | cps |
| Rhodium | 103-1 | 5370794 | 5334205 | 5337822 | 5347607 | 0.38 | cps |
| Rhodium | 103-2 | 1383483 | 1409592 | 1398414 | 1397163 | 0.94 | cps |
| Scandium | 45-1 | 2943799 | 2915745 | 2942257 | 2933934 | 0.54 | cps |
| Scandium | 45-2 | 20642 | 20465 | 20876 | 20661 | 1.00 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 4 | 6 | 0 | 3 | 91.69 | cps |
| Selenium | 82-1 | -4 | -7 | -42 | -18 | -119.95 | cps |
| Silicon | 28-1 | 165724 | 167958 | 165413 | 166365 | 0.83 | cps |
| Silver | 109-1 | 875 | 800 | 917 | 864 | 6.84 | cps |
| Silver | 107-1 | 1025 | 1008 | 1100 | 1045 | 4.67 | cps |
| Sodium | 23-2 | 8703 | 7928 | 8386 | 8339 | 4.68 | cps |
| Strontium | 86-1 | 733 | 617 | 575 | 642 | 12.79 | cps |
| Strontium | 88-1 | 1458 | 1308 | 1308 | 1358 | 6.38 | cps |
| Sulfur | 34-1 | 294534 | 294271 | 294375 | 294393 | 0.05 | cps |
| Terbium | 159-1 | 8249520 | 8261346 | 8327842 | 8279569 | 0.51 | cps |
| Terbium | 159-2 | 1611340 | 1642026 | 1621187 | 1624851 | 0.96 | cps |
| Thallium | 203-1 | 1358 | 1042 | 1217 | 1206 | 13.16 | cps |
| Thallium | 205-1 | 3209 | 2892 | 3101 | 3067 | 5.25 | cps |
| Tin | 118-1 | 2925 | 2550 | 2225 | 2567 | 13.65 | cps |
| Titanium | 47-1 | 317 | 233 | 217 | 256 | 20.96 | cps |
| Uranium | 238-1 | 1183 | 967 | 1017 | 1056 | 10.75 | cps |
| Vanadium | 51-2 | 27 | 10 | 30 | 22 | 48.22 | cps |
| Yttrium | 89-1 | 5680522 | 5674182 | 5712661 | 5689122 | 0.36 | cps |
| Yttrium | 89-2 | 165308 | 167000 | 167634 | 166648 | 0.72 | cps |
| Zinc | 66-2 | 60 | 67 | 100 | 76 | 28.36 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB89 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB89 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:20:10 | DataFile Name : | 032SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 2317 | 2284 | 2509 | 2370 | 5.12 | cps |
| Zirconium | 91-1 | 317 | 500 | 608 | 475 | 31.04 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5340-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926125.9-PAPERTEC | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:23:33 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 100 | 103 | 93 | 98 | 5.29 | cps |
| Antimony | 121-1 | 5885 | 5510 | 5293 | 5563 | 5.38 | cps |
| Arsenic | 75-1 | 12698 | 14291 | 15593 | 14194 | 10.21 | cps |
| Barium | 135-1 | 149140 | 149822 | 146267 | 148410 | 1.27 | cps |
| Barium | 137-1 | 257841 | 258404 | 256033 | 257426 | 0.48 | cps |
| Beryllium | 9-1 | 306 | 261 | 233 | 267 | 13.66 | cps |
| Bismuth | 209-1 | 6243714 | 6003826 | 6264491 | 6170677 | 2.35 | cps |
| Bismuth | 209-2 | 1456544 | 1454800 | 1454713 | 1455352 | 0.07 | cps |
| Boron | 10-1 | 80559 | 81288 | 81640 | 81162 | 0.68 | cps |
| Boron | 11-1 | 395554 | 403369 | 400767 | 399897 | 1.00 | cps |
| Cadmium | 111-1 | 1187 | 978 | 1010 | 1059 | 10.63 | cps |
| Cadmium | 106-1 | 1375 | 1117 | 1125 | 1206 | 12.18 | cps |
| Cadmium | 108-1 | 13 | 17 | 33 | 21 | 52.90 | cps |
| Calcium | 43-1 | 3729063 | 3676325 | 3646060 | 3683816 | 1.14 | cps |
| Calcium | 44-1 | 60314124 | 59973656 | 58961395 | 59749725 | 1.18 | cps |
| Chromium | 52-2 | 2097 | 2014 | 2090 | 2067 | 2.24 | cps |
| Cobalt | 59-2 | 6939 | 6612 | 6858 | 6803 | 2.50 | cps |
| Copper | 63-2 | 416801 | 414691 | 409376 | 413623 | 0.93 | cps |
| Dysprosium | 156-1 | 133 | 192 | 158 | 161 | 18.17 | cps |
| Dysprosium | 156-2 | 33 | 37 | 27 | 32 | 15.80 | cps |
| Erbium | 164-1 | 375 | 392 | 317 | 361 | 10.91 | cps |
| Erbium | 164-2 | 63 | 40 | 63 | 56 | 24.25 | cps |
| Gadolinium | 160-1 | 142 | 250 | 217 | 203 | 27.36 | cps |
| Gadolinium | 160-2 | 40 | 47 | 40 | 42 | 9.12 | cps |
| Holmium | 165-1 | 8827835 | 8428580 | 8809101 | 8688505 | 2.59 | cps |
| Holmium | 165-2 | 1781318 | 1794707 | 1778668 | 1784898 | 0.48 | cps |
| Indium | 115-1 | 6176092 | 5901365 | 6126342 | 6067933 | 2.41 | cps |
| Indium | 115-2 | 249784 | 246988 | 244346 | 247039 | 1.10 | cps |
| Iron | 56-2 | 188129 | 188202 | 187318 | 187883 | 0.26 | cps |
| Iron | 57-2 | 5040 | 4690 | 4768 | 4832 | 3.80 | cps |
| Krypton | 83-1 | 320 | 343 | 363 | 342 | 6.34 | cps |
| Lead | 206-1 | 22682 | 21942 | 22287 | 22303 | 1.66 | cps |
| Lead | 207-1 | 18130 | 18247 | 18703 | 18360 | 1.65 | cps |
| Lead | 208-1 | 87063 | 86111 | 85502 | 86225 | 0.91 | cps |
| Lithium | 6-1 | 1068838 | 1002087 | 1051263 | 1040729 | 3.32 | cps |
| Magnesium | 24-2 | 2571121 | 2567404 | 2520407 | 2552977 | 1.11 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5340-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926125.9-PAPERTEC | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:23:33 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 1477 | 1477 | 1263 | 1406 | 8.76 | cps |
| Molybdenum | 94-1 | 1175 | 1150 | 1025 | 1117 | 7.20 | cps |
| Molybdenum | 95-1 | 1433 | 1183 | 1217 | 1278 | 10.62 | cps |
| Molybdenum | 96-1 | 1559 | 1433 | 1567 | 1520 | 4.92 | cps |
| Molybdenum | 97-1 | 908 | 883 | 783 | 858 | 7.71 | cps |
| Molybdenum | 98-1 | 2142 | 1859 | 1842 | 1947 | 8.66 | cps |
| Neodymium | 150-1 | 60 | 60 | 47 | 56 | 13.85 | cps |
| Neodymium | 150-2 | 3 | 13 | 3 | 7 | 86.65 | cps |
| Nickel | 60-2 | 5238 | 5371 | 5605 | 5404 | 3.44 | cps |
| Phosphorus | 31-2 | 0 | 17 | 8 | 8 | 100.02 | cps |
| Potassium | 39-2 | 79063 | 81502 | 77681 | 79415 | 2.44 | cps |
| Rhodium | 103-1 | 5603180 | 5259361 | 5529939 | 5464160 | 3.31 | cps |
| Rhodium | 103-2 | 1424227 | 1409031 | 1409630 | 1414296 | 0.61 | cps |
| Scandium | 45-1 | 3194076 | 3012979 | 3166908 | 3124654 | 3.13 | cps |
| Scandium | 45-2 | 21807 | 21747 | 21654 | 21736 | 0.36 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 0 | 4 | 6 | 3 | 91.69 | cps |
| Selenium | 82-1 | 73 | 16 | 7 | 32 | 111.65 | cps |
| Silicon | 28-1 | 43489753 | 43053029 | 42439062 | 42993948 | 1.23 | cps |
| Silver | 109-1 | 5676 | 5818 | 5468 | 5654 | 3.12 | cps |
| Silver | 107-1 | 5718 | 6243 | 5860 | 5940 | 4.57 | cps |
| Sodium | 23-2 | 2515581 | 2486583 | 2488360 | 2496841 | 0.65 | cps |
| Strontium | 86-1 | 2100483 | 2054598 | 2006047 | 2053709 | 2.30 | cps |
| Strontium | 88-1 | 17700818 | 17595844 | 17280333 | 17525665 | 1.25 | cps |
| Sulfur | 34-1 | 513784 | 512768 | 514557 | 513703 | 0.17 | cps |
| Terbium | 159-1 | 9083501 | 8537182 | 9020213 | 8880299 | 3.37 | cps |
| Terbium | 159-2 | 1734890 | 1740157 | 1723734 | 1732927 | 0.48 | cps |
| Thallium | 203-1 | 1400 | 1125 | 1225 | 1250 | 11.14 | cps |
| Thallium | 205-1 | 3692 | 3092 | 2309 | 3031 | 22.89 | cps |
| Tin | 118-1 | 2917 | 2517 | 2509 | 2648 | 8.82 | cps |
| Titanium | 47-1 | 492 | 450 | 442 | 461 | 5.81 | cps |
| Uranium | 238-1 | 3426 | 3534 | 3242 | 3401 | 4.34 | cps |
| Vanadium | 51-2 | 327 | 317 | 273 | 306 | 9.28 | cps |
| Yttrium | 89-1 | 6177702 | 5818955 | 6131506 | 6042721 | 3.23 | cps |
| Yttrium | 89-2 | 174721 | 174856 | 172978 | 174185 | 0.60 | cps |
| Zinc | 66-2 | 4818 | 4598 | 4537 | 4651 | 3.17 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5340-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926125.9-PAPERTEC | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:23:33 | DataFile Name : | 033SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1275 | 1375 | 1659 | 1436 | 13.85 | cps |
| Zirconium | 91-1 | 392 | 342 | 292 | 342 | 14.63 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926708.0-PBCU168 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:26:55 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 628 | 638 | 565 | 610 | 6.44 | cps |
| Antimony | 121-1 | 3759 | 3926 | 4017 | 3901 | 3.36 | cps |
| Arsenic | 75-1 | 16769 | 17921 | 18171 | 17620 | 4.24 | cps |
| Barium | 135-1 | 2442 | 2575 | 2267 | 2428 | 6.37 | cps |
| Barium | 137-1 | 4059 | 4559 | 4593 | 4404 | 6.79 | cps |
| Beryllium | 9-1 | 383 | 294 | 367 | 348 | 13.57 | cps |
| Bismuth | 209-1 | 6714859 | 6694691 | 6388476 | 6599342 | 2.77 | cps |
| Bismuth | 209-2 | 1623747 | 1533249 | 1549688 | 1568895 | 3.07 | cps |
| Boron | 10-1 | 4926 | 4726 | 4101 | 4584 | 9.39 | cps |
| Boron | 11-1 | 23988 | 22777 | 21517 | 22761 | 5.43 | cps |
| Cadmium | 111-1 | 1148 | 1391 | 1162 | 1234 | 11.08 | cps |
| Cadmium | 106-1 | 1167 | 1567 | 1292 | 1342 | 15.25 | cps |
| Cadmium | 108-1 | 21 | 38 | 25 | 28 | 31.23 | cps |
| Calcium | 43-1 | 171888 | 168628 | 168476 | 169664 | 1.14 | cps |
| Calcium | 44-1 | 2834011 | 2815824 | 2796295 | 2815377 | 0.67 | cps |
| Chromium | 52-2 | 1143 | 1193 | 1253 | 1197 | 4.60 | cps |
| Cobalt | 59-2 | 860 | 1060 | 917 | 946 | 10.90 | cps |
| Copper | 63-2 | 38727 | 37835 | 37557 | 38040 | 1.61 | cps |
| Dysprosium | 156-1 | 658 | 592 | 558 | 603 | 8.45 | cps |
| Dysprosium | 156-2 | 107 | 100 | 133 | 113 | 15.57 | cps |
| Erbium | 164-1 | 517 | 583 | 475 | 525 | 10.41 | cps |
| Erbium | 164-2 | 93 | 97 | 113 | 101 | 10.60 | cps |
| Gadolinium | 160-1 | 558 | 708 | 633 | 633 | 11.84 | cps |
| Gadolinium | 160-2 | 157 | 200 | 163 | 173 | 13.46 | cps |
| Holmium | 165-1 | 8923698 | 8930206 | 8488948 | 8780951 | 2.88 | cps |
| Holmium | 165-2 | 1857316 | 1781607 | 1820663 | 1819862 | 2.08 | cps |
| Indium | 115-1 | 6436252 | 6344616 | 6044304 | 6275057 | 3.27 | cps |
| Indium | 115-2 | 259843 | 253092 | 252611 | 255182 | 1.58 | cps |
| Iron | 56-2 | 7052 | 7013 | 7235 | 7100 | 1.67 | cps |
| Iron | 57-2 | 167 | 200 | 217 | 194 | 13.10 | cps |
| Krypton | 83-1 | 243 | 290 | 293 | 276 | 10.14 | cps |
| Lead | 206-1 | 249144 | 247214 | 248910 | 248423 | 0.42 | cps |
| Lead | 207-1 | 203117 | 200430 | 202379 | 201976 | 0.69 | cps |
| Lead | 208-1 | 956941 | 951706 | 952432 | 953693 | 0.30 | cps |
| Lithium | 6-1 | 1091004 | 1086480 | 1048830 | 1075438 | 2.15 | cps |
| Magnesium | 24-2 | 39422 | 39155 | 38194 | 38924 | 1.66 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926708.0-PBCU168 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:26:55 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 453 | 350 | 320 | 374 | 18.68 | cps |
| Molybdenum | 94-1 | 650 | 858 | 792 | 767 | 13.88 | cps |
| Molybdenum | 95-1 | 617 | 608 | 725 | 650 | 10.01 | cps |
| Molybdenum | 96-1 | 725 | 817 | 775 | 772 | 5.94 | cps |
| Molybdenum | 97-1 | 475 | 617 | 475 | 522 | 15.66 | cps |
| Molybdenum | 98-1 | 1200 | 967 | 1067 | 1078 | 10.86 | cps |
| Neodymium | 150-1 | 900 | 913 | 873 | 896 | 2.27 | cps |
| Neodymium | 150-2 | 140 | 117 | 97 | 118 | 18.41 | cps |
| Nickel | 60-2 | 7726 | 7906 | 7362 | 7664 | 3.61 | cps |
| Phosphorus | 31-2 | 75 | 50 | 83 | 69 | 24.98 | cps |
| Potassium | 39-2 | 27812 | 29064 | 27136 | 28004 | 3.49 | cps |
| Rhodium | 103-1 | 5880858 | 5771162 | 5523117 | 5725046 | 3.20 | cps |
| Rhodium | 103-2 | 1539764 | 1470999 | 1467551 | 1492771 | 2.73 | cps |
| Scandium | 45-1 | 3176523 | 3170877 | 2981596 | 3109665 | 3.57 | cps |
| Scandium | 45-2 | 22071 | 21523 | 21664 | 21753 | 1.31 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 2 | 0 | 4 | 2 | 100.00 | cps |
| Selenium | 82-1 | 78 | 40 | 44 | 54 | 38.90 | cps |
| Silicon | 28-1 | 11208818 | 11084835 | 10957303 | 11083652 | 1.13 | cps |
| Silver | 109-1 | 1433 | 1575 | 1592 | 1533 | 5.67 | cps |
| Silver | 107-1 | 1517 | 1650 | 1500 | 1556 | 5.29 | cps |
| Sodium | 23-2 | 298439 | 293861 | 296140 | 296147 | 0.77 | cps |
| Strontium | 86-1 | 79733 | 80898 | 79120 | 79917 | 1.13 | cps |
| Strontium | 88-1 | 702957 | 693583 | 690789 | 695776 | 0.92 | cps |
| Sulfur | 34-1 | 349213 | 346941 | 344775 | 346976 | 0.64 | cps |
| Terbium | 159-1 | 9234242 | 9134385 | 8601854 | 8990160 | 3.78 | cps |
| Terbium | 159-2 | 1781086 | 1723838 | 1739016 | 1747980 | 1.70 | cps |
| Thallium | 203-1 | 475 | 575 | 558 | 536 | 9.99 | cps |
| Thallium | 205-1 | 1308 | 1192 | 1233 | 1245 | 4.75 | cps |
| Tin | 118-1 | 19849 | 17671 | 17854 | 18458 | 6.54 | cps |
| Titanium | 47-1 | 583 | 625 | 608 | 606 | 3.46 | cps |
| Uranium | 238-1 | 3951 | 3576 | 3692 | 3740 | 5.13 | cps |
| Vanadium | 51-2 | 63 | 57 | 37 | 52 | 26.57 | cps |
| Yttrium | 89-1 | 6278262 | 6135697 | 5859661 | 6091207 | 3.49 | cps |
| Yttrium | 89-2 | 176758 | 173533 | 172521 | 174271 | 1.27 | cps |
| Zinc | 66-2 | 17705 | 17585 | 17581 | 17624 | 0.40 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926708.0-PBCU168 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:26:55 | DataFile Name : | 034SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 867 | 967 | 1025 | 953 | 8.40 | cps |
| Zirconium | 91-1 | 242 | 167 | 133 | 181 | 30.73 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926709.0-PBCU169 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:30:17 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 313 | 285 | 303 | 300 | 4.64 | cps |
| Antimony | 121-1 | 2617 | 2842 | 3176 | 2878 | 9.76 | cps |
| Arsenic | 75-1 | 18246 | 18939 | 19415 | 18866 | 3.11 | cps |
| Barium | 135-1 | 5251 | 5743 | 5426 | 5474 | 4.56 | cps |
| Barium | 137-1 | 9470 | 8920 | 9512 | 9301 | 3.55 | cps |
| Beryllium | 9-1 | 300 | 250 | 294 | 281 | 9.74 | cps |
| Bismuth | 209-1 | 6692254 | 6649962 | 6797019 | 6713079 | 1.13 | cps |
| Bismuth | 209-2 | 1540941 | 1531175 | 1527406 | 1533174 | 0.46 | cps |
| Boron | 10-1 | 2942 | 3050 | 3017 | 3003 | 1.85 | cps |
| Boron | 11-1 | 15075 | 15017 | 15200 | 15097 | 0.62 | cps |
| Cadmium | 111-1 | 1071 | 907 | 869 | 949 | 11.33 | cps |
| Cadmium | 106-1 | 1392 | 1183 | 1150 | 1242 | 10.55 | cps |
| Cadmium | 108-1 | 4 | 25 | 33 | 21 | 72.10 | cps |
| Calcium | 43-1 | 194277 | 192022 | 190807 | 192368 | 0.92 | cps |
| Calcium | 44-1 | 3228365 | 3185709 | 3178359 | 3197478 | 0.84 | cps |
| Chromium | 52-2 | 1310 | 1197 | 1263 | 1257 | 4.53 | cps |
| Cobalt | 59-2 | 403 | 413 | 417 | 411 | 1.69 | cps |
| Copper | 63-2 | 11788 | 11632 | 11849 | 11756 | 0.95 | cps |
| Dysprosium | 156-1 | 442 | 342 | 383 | 389 | 12.92 | cps |
| Dysprosium | 156-2 | 80 | 87 | 103 | 90 | 13.36 | cps |
| Erbium | 164-1 | 383 | 317 | 358 | 353 | 9.55 | cps |
| Erbium | 164-2 | 47 | 57 | 77 | 60 | 25.46 | cps |
| Gadolinium | 160-1 | 400 | 525 | 433 | 453 | 14.30 | cps |
| Gadolinium | 160-2 | 97 | 90 | 103 | 97 | 6.90 | cps |
| Holmium | 165-1 | 8973956 | 8936693 | 8899442 | 8936697 | 0.42 | cps |
| Holmium | 165-2 | 1784542 | 1797694 | 1790404 | 1790880 | 0.37 | cps |
| Indium | 115-1 | 6380327 | 6219797 | 6270620 | 6290248 | 1.30 | cps |
| Indium | 115-2 | 249566 | 245872 | 246096 | 247178 | 0.84 | cps |
| Iron | 56-2 | 7775 | 6769 | 7063 | 7202 | 7.18 | cps |
| Iron | 57-2 | 194 | 189 | 217 | 200 | 7.35 | cps |
| Krypton | 83-1 | 303 | 377 | 300 | 327 | 13.27 | cps |
| Lead | 206-1 | 1361 | 1433 | 1233 | 1343 | 7.54 | cps |
| Lead | 207-1 | 1033 | 956 | 1067 | 1019 | 5.60 | cps |
| Lead | 208-1 | 4989 | 5017 | 4889 | 4965 | 1.35 | cps |
| Lithium | 6-1 | 1089693 | 1073799 | 1080013 | 1081168 | 0.74 | cps |
| Magnesium | 24-2 | 35437 | 32914 | 33557 | 33969 | 3.86 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926709.0-PBCU169 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:30:17 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 347 | 327 | 343 | 339 | 3.16 | cps |
| Molybdenum | 94-1 | 567 | 608 | 525 | 567 | 7.35 | cps |
| Molybdenum | 95-1 | 650 | 558 | 425 | 544 | 20.78 | cps |
| Molybdenum | 96-1 | 625 | 608 | 817 | 683 | 16.94 | cps |
| Molybdenum | 97-1 | 400 | 358 | 358 | 372 | 6.46 | cps |
| Molybdenum | 98-1 | 983 | 892 | 742 | 872 | 13.99 | cps |
| Neodymium | 150-1 | 580 | 560 | 653 | 598 | 8.22 | cps |
| Neodymium | 150-2 | 60 | 50 | 60 | 57 | 10.19 | cps |
| Nickel | 60-2 | 1710 | 1513 | 1407 | 1543 | 9.97 | cps |
| Phosphorus | 31-2 | 75 | 167 | 133 | 125 | 37.12 | cps |
| Potassium | 39-2 | 30367 | 28463 | 28655 | 29162 | 3.59 | cps |
| Rhodium | 103-1 | 5802904 | 5750872 | 5730014 | 5761263 | 0.65 | cps |
| Rhodium | 103-2 | 1449011 | 1453839 | 1433242 | 1445364 | 0.75 | cps |
| Scandium | 45-1 | 3122392 | 3087184 | 3145472 | 3118349 | 0.94 | cps |
| Scandium | 45-2 | 21203 | 20739 | 20468 | 20803 | 1.79 | cps |
| Selenium | 77-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 0 | 2 | 0 | 1 | 173.21 | cps |
| Selenium | 82-1 | 19 | -59 | -4 | -15 | -273.39 | cps |
| Silicon | 28-1 | 11881757 | 11709066 | 11681469 | 11757431 | 0.92 | cps |
| Silver | 109-1 | 983 | 1083 | 1292 | 1120 | 14.05 | cps |
| Silver | 107-1 | 1225 | 950 | 1242 | 1139 | 14.38 | cps |
| Sodium | 23-2 | 293877 | 294804 | 289992 | 292891 | 0.87 | cps |
| Strontium | 86-1 | 99294 | 96045 | 93812 | 96384 | 2.86 | cps |
| Strontium | 88-1 | 855958 | 835526 | 833097 | 841527 | 1.49 | cps |
| Sulfur | 34-1 | 336835 | 334395 | 335566 | 335599 | 0.36 | cps |
| Terbium | 159-1 | 9132979 | 9014204 | 9033583 | 9060255 | 0.70 | cps |
| Terbium | 159-2 | 1723297 | 1714671 | 1704799 | 1714256 | 0.54 | cps |
| Thallium | 203-1 | 458 | 392 | 417 | 422 | 7.98 | cps |
| Thallium | 205-1 | 775 | 767 | 875 | 806 | 7.48 | cps |
| Tin | 118-1 | 9270 | 10238 | 9128 | 9545 | 6.32 | cps |
| Titanium | 47-1 | 500 | 567 | 517 | 528 | 6.57 | cps |
| Uranium | 238-1 | 5193 | 4935 | 5118 | 5082 | 2.62 | cps |
| Vanadium | 51-2 | 147 | 117 | 97 | 120 | 20.97 | cps |
| Yttrium | 89-1 | 6193567 | 6062734 | 6110913 | 6122405 | 1.08 | cps |
| Yttrium | 89-2 | 171091 | 169639 | 168238 | 169656 | 0.84 | cps |
| Zinc | 66-2 | 3897 | 3927 | 4061 | 3962 | 2.20 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-02 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926709.0-PBCU169 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:30:17 | DataFile Name : | 035SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 783 | 750 | 767 | 767 | 2.17 | cps |
| Zirconium | 91-1 | 167 | 200 | 208 | 192 | 11.50 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926710.0-PBCU170 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:33:40 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 295 | 258 | 275 | 276 | 6.80 | cps |
| Antimony | 121-1 | 2817 | 2967 | 2900 | 2895 | 2.60 | cps |
| Arsenic | 75-1 | 18747 | 19264 | 19273 | 19095 | 1.58 | cps |
| Barium | 135-1 | 5226 | 5635 | 5218 | 5360 | 4.45 | cps |
| Barium | 137-1 | 9596 | 9737 | 9462 | 9598 | 1.43 | cps |
| Beryllium | 9-1 | 217 | 217 | 194 | 209 | 6.13 | cps |
| Bismuth | 209-1 | 6776055 | 6667928 | 6674452 | 6706145 | 0.90 | cps |
| Bismuth | 209-2 | 1536554 | 1422440 | 1509437 | 1489477 | 4.00 | cps |
| Boron | 10-1 | 2384 | 2375 | 2142 | 2300 | 5.97 | cps |
| Boron | 11-1 | 11063 | 11155 | 10663 | 10960 | 2.39 | cps |
| Cadmium | 111-1 | 1101 | 1104 | 920 | 1041 | 10.13 | cps |
| Cadmium | 106-1 | 1417 | 1483 | 1225 | 1375 | 9.75 | cps |
| Cadmium | 108-1 | 17 | 38 | 13 | 22 | 60.27 | cps |
| Calcium | 43-1 | 180927 | 177181 | 175315 | 177808 | 1.61 | cps |
| Calcium | 44-1 | 2987404 | 2954893 | 2912306 | 2951535 | 1.28 | cps |
| Chromium | 52-2 | 1373 | 1447 | 1400 | 1407 | 2.64 | cps |
| Cobalt | 59-2 | 313 | 340 | 340 | 331 | 4.65 | cps |
| Copper | 63-2 | 16900 | 16056 | 16777 | 16578 | 2.75 | cps |
| Dysprosium | 156-1 | 308 | 200 | 242 | 250 | 21.86 | cps |
| Dysprosium | 156-2 | 50 | 40 | 40 | 43 | 13.32 | cps |
| Erbium | 164-1 | 200 | 158 | 225 | 194 | 17.32 | cps |
| Erbium | 164-2 | 47 | 33 | 57 | 46 | 25.70 | cps |
| Gadolinium | 160-1 | 267 | 367 | 217 | 283 | 26.96 | cps |
| Gadolinium | 160-2 | 63 | 50 | 80 | 64 | 23.32 | cps |
| Holmium | 165-1 | 8895613 | 8864479 | 8808385 | 8856159 | 0.50 | cps |
| Holmium | 165-2 | 1794810 | 1661473 | 1741000 | 1732428 | 3.87 | cps |
| Indium | 115-1 | 6308878 | 6184296 | 6116770 | 6203315 | 1.57 | cps |
| Indium | 115-2 | 244035 | 225346 | 239276 | 236219 | 4.11 | cps |
| Iron | 56-2 | 4584 | 4712 | 4440 | 4579 | 2.98 | cps |
| Iron | 57-2 | 156 | 139 | 72 | 122 | 36.08 | cps |
| Krypton | 83-1 | 297 | 340 | 313 | 317 | 6.90 | cps |
| Lead | 206-1 | 4001 | 4301 | 4106 | 4136 | 3.68 | cps |
| Lead | 207-1 | 3545 | 3817 | 3501 | 3621 | 4.74 | cps |
| Lead | 208-1 | 16666 | 17672 | 16911 | 17083 | 3.07 | cps |
| Lithium | 6-1 | 1082182 | 1077249 | 1059744 | 1073058 | 1.10 | cps |
| Magnesium | 24-2 | 31294 | 32413 | 31745 | 31817 | 1.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926710.0-PBCU170 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:33:40 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 263 | 230 | 250 | 248 | 6.77 | cps |
| Molybdenum | 94-1 | 600 | 683 | 483 | 589 | 17.06 | cps |
| Molybdenum | 95-1 | 558 | 625 | 475 | 553 | 13.60 | cps |
| Molybdenum | 96-1 | 683 | 508 | 642 | 611 | 14.96 | cps |
| Molybdenum | 97-1 | 333 | 292 | 308 | 311 | 6.74 | cps |
| Molybdenum | 98-1 | 767 | 750 | 733 | 750 | 2.22 | cps |
| Neodymium | 150-1 | 307 | 340 | 400 | 349 | 13.56 | cps |
| Neodymium | 150-2 | 47 | 40 | 40 | 42 | 9.12 | cps |
| Nickel | 60-2 | 1563 | 1517 | 1520 | 1533 | 1.70 | cps |
| Phosphorus | 31-2 | 100 | 117 | 133 | 117 | 14.29 | cps |
| Potassium | 39-2 | 29473 | 29357 | 29014 | 29281 | 0.82 | cps |
| Rhodium | 103-1 | 5782779 | 5618271 | 5598353 | 5666468 | 1.79 | cps |
| Rhodium | 103-2 | 1431814 | 1329848 | 1406255 | 1389306 | 3.82 | cps |
| Scandium | 45-1 | 3092447 | 3023574 | 3019775 | 3045266 | 1.34 | cps |
| Scandium | 45-2 | 20679 | 18920 | 20148 | 19916 | 4.53 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 4 | 6 | 6 | 5 | 21.74 | cps |
| Selenium | 82-1 | 85 | 2 | -24 | 21 | 274.38 | cps |
| Silicon | 28-1 | 12314660 | 12161670 | 12011429 | 12162586 | 1.25 | cps |
| Silver | 109-1 | 1025 | 842 | 950 | 939 | 9.82 | cps |
| Silver | 107-1 | 1108 | 1242 | 1308 | 1220 | 8.35 | cps |
| Sodium | 23-2 | 292303 | 290715 | 285526 | 289515 | 1.22 | cps |
| Strontium | 86-1 | 80756 | 81107 | 79364 | 80409 | 1.15 | cps |
| Strontium | 88-1 | 710065 | 695451 | 690881 | 698799 | 1.43 | cps |
| Sulfur | 34-1 | 328721 | 329810 | 326665 | 328399 | 0.49 | cps |
| Terbium | 159-1 | 9048198 | 8987109 | 8897349 | 8977552 | 0.85 | cps |
| Terbium | 159-2 | 1722983 | 1577825 | 1685666 | 1662158 | 4.54 | cps |
| Thallium | 203-1 | 325 | 300 | 250 | 292 | 13.09 | cps |
| Thallium | 205-1 | 808 | 700 | 692 | 733 | 8.88 | cps |
| Tin | 118-1 | 1617 | 1417 | 1592 | 1542 | 7.07 | cps |
| Titanium | 47-1 | 550 | 467 | 475 | 497 | 9.23 | cps |
| Uranium | 238-1 | 2625 | 3001 | 2575 | 2734 | 8.50 | cps |
| Vanadium | 51-2 | 183 | 153 | 150 | 162 | 11.32 | cps |
| Yttrium | 89-1 | 6075600 | 5985502 | 6006319 | 6022474 | 0.78 | cps |
| Yttrium | 89-2 | 167584 | 156058 | 164018 | 162553 | 3.63 | cps |
| Zinc | 66-2 | 3997 | 3841 | 3701 | 3846 | 3.86 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-03 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926710.0-PBCU170 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:33:40 | DataFile Name : | 036SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 858 | 900 | 758 | 839 | 8.68 | cps |
| Zirconium | 91-1 | 183 | 208 | 142 | 178 | 18.94 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926711.0-PBCU172 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:37:03 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 243 | 268 | 273 | 261 | 6.16 | cps |
| Antimony | 121-1 | 2650 | 3034 | 2742 | 2809 | 7.13 | cps |
| Arsenic | 75-1 | 18914 | 19081 | 19456 | 19150 | 1.45 | cps |
| Barium | 135-1 | 3809 | 3050 | 3292 | 3384 | 11.45 | cps |
| Barium | 137-1 | 6177 | 5860 | 5943 | 5993 | 2.74 | cps |
| Beryllium | 9-1 | 289 | 289 | 228 | 269 | 13.14 | cps |
| Bismuth | 209-1 | 6650442 | 6692699 | 6673948 | 6672363 | 0.32 | cps |
| Bismuth | 209-2 | 1526395 | 1519710 | 1414301 | 1486802 | 4.23 | cps |
| Boron | 10-1 | 1959 | 2417 | 2184 | 2186 | 10.48 | cps |
| Boron | 11-1 | 10046 | 9887 | 9595 | 9843 | 2.32 | cps |
| Cadmium | 111-1 | 1257 | 1142 | 1158 | 1186 | 5.28 | cps |
| Cadmium | 106-1 | 1392 | 1292 | 1225 | 1303 | 6.44 | cps |
| Cadmium | 108-1 | 13 | 42 | 0 | 18 | 118.42 | cps |
| Calcium | 43-1 | 172125 | 171097 | 168575 | 170599 | 1.07 | cps |
| Calcium | 44-1 | 2869377 | 2819739 | 2806184 | 2831766 | 1.17 | cps |
| Chromium | 52-2 | 1177 | 1133 | 1157 | 1156 | 1.88 | cps |
| Cobalt | 59-2 | 1587 | 1340 | 1457 | 1461 | 8.45 | cps |
| Copper | 63-2 | 23697 | 23597 | 23330 | 23541 | 0.81 | cps |
| Dysprosium | 156-1 | 592 | 600 | 567 | 586 | 2.96 | cps |
| Dysprosium | 156-2 | 183 | 117 | 163 | 154 | 22.15 | cps |
| Erbium | 164-1 | 467 | 458 | 375 | 433 | 11.70 | cps |
| Erbium | 164-2 | 113 | 67 | 83 | 88 | 26.94 | cps |
| Gadolinium | 160-1 | 658 | 542 | 633 | 611 | 10.05 | cps |
| Gadolinium | 160-2 | 123 | 163 | 133 | 140 | 14.87 | cps |
| Holmium | 165-1 | 8856973 | 8902045 | 8752258 | 8837092 | 0.87 | cps |
| Holmium | 165-2 | 1780808 | 1759007 | 1665689 | 1735168 | 3.52 | cps |
| Indium | 115-1 | 6206360 | 6208728 | 6145005 | 6186698 | 0.58 | cps |
| Indium | 115-2 | 242314 | 241457 | 227102 | 236958 | 3.61 | cps |
| Iron | 56-2 | 6885 | 6713 | 6580 | 6726 | 2.28 | cps |
| Iron | 57-2 | 161 | 183 | 189 | 178 | 8.27 | cps |
| Krypton | 83-1 | 280 | 297 | 340 | 306 | 10.14 | cps |
| Lead | 206-1 | 783 | 711 | 661 | 719 | 8.55 | cps |
| Lead | 207-1 | 561 | 528 | 700 | 596 | 15.32 | cps |
| Lead | 208-1 | 2856 | 2672 | 2667 | 2732 | 3.94 | cps |
| Lithium | 6-1 | 1067294 | 1057588 | 1066708 | 1063864 | 0.51 | cps |
| Magnesium | 24-2 | 37325 | 36557 | 36030 | 36637 | 1.78 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926711.0-PBCU172 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:37:03 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 547 | 590 | 553 | 563 | 4.14 | cps |
| Molybdenum | 94-1 | 675 | 525 | 592 | 597 | 12.58 | cps |
| Molybdenum | 95-1 | 617 | 783 | 842 | 747 | 15.63 | cps |
| Molybdenum | 96-1 | 933 | 1017 | 958 | 970 | 4.41 | cps |
| Molybdenum | 97-1 | 417 | 492 | 508 | 472 | 10.34 | cps |
| Molybdenum | 98-1 | 1167 | 1342 | 1175 | 1228 | 8.04 | cps |
| Neodymium | 150-1 | 933 | 980 | 913 | 942 | 3.63 | cps |
| Neodymium | 150-2 | 127 | 123 | 83 | 111 | 21.70 | cps |
| Nickel | 60-2 | 7732 | 7542 | 7565 | 7613 | 1.36 | cps |
| Phosphorus | 31-2 | 142 | 100 | 58 | 100 | 41.67 | cps |
| Potassium | 39-2 | 28104 | 27628 | 27461 | 27731 | 1.20 | cps |
| Rhodium | 103-1 | 5642695 | 5637403 | 5643294 | 5641130 | 0.06 | cps |
| Rhodium | 103-2 | 1419080 | 1416364 | 1319043 | 1384829 | 4.12 | cps |
| Scandium | 45-1 | 3042634 | 3022254 | 2996074 | 3020320 | 0.77 | cps |
| Scandium | 45-2 | 20138 | 20258 | 18506 | 19634 | 4.99 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 6 | 4 | 2 | 4 | 50.09 | cps |
| Selenium | 82-1 | 30 | 63 | -56 | 12 | 504.88 | cps |
| Silicon | 28-1 | 12743189 | 12600191 | 12512679 | 12618686 | 0.92 | cps |
| Silver | 109-1 | 967 | 1025 | 892 | 961 | 6.95 | cps |
| Silver | 107-1 | 942 | 925 | 1158 | 1008 | 12.91 | cps |
| Sodium | 23-2 | 276859 | 277221 | 279401 | 277827 | 0.49 | cps |
| Strontium | 86-1 | 93352 | 92344 | 90114 | 91937 | 1.80 | cps |
| Strontium | 88-1 | 807520 | 801288 | 793562 | 800790 | 0.87 | cps |
| Sulfur | 34-1 | 320734 | 318505 | 320203 | 319814 | 0.36 | cps |
| Terbium | 159-1 | 9028304 | 8960455 | 8893808 | 8960856 | 0.75 | cps |
| Terbium | 159-2 | 1677511 | 1683179 | 1586186 | 1648959 | 3.30 | cps |
| Thallium | 203-1 | 317 | 400 | 400 | 372 | 12.93 | cps |
| Thallium | 205-1 | 800 | 650 | 883 | 778 | 15.20 | cps |
| Tin | 118-1 | 1684 | 1558 | 1709 | 1650 | 4.87 | cps |
| Titanium | 47-1 | 717 | 608 | 675 | 667 | 8.20 | cps |
| Uranium | 238-1 | 1984 | 1717 | 1875 | 1859 | 7.22 | cps |
| Vanadium | 51-2 | 80 | 90 | 107 | 92 | 14.61 | cps |
| Yttrium | 89-1 | 6076196 | 5966111 | 5973936 | 6005414 | 1.02 | cps |
| Yttrium | 89-2 | 166125 | 164318 | 154151 | 161531 | 4.00 | cps |
| Zinc | 66-2 | 8856 | 8589 | 8870 | 8772 | 1.80 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-04 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926711.0-PBCU172 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:37:03 | DataFile Name : | 037SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 750 | 683 | 717 | 717 | 4.65 | cps |
| Zirconium | 91-1 | 208 | 192 | 167 | 189 | 11.10 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926712.0-PBCU173 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:40:25 | DataFile Name : | 038SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 290 | 290 | 320 | 300 | 5.77 | cps |
| Antimony | 121-1 | 3076 | 3342 | 3001 | 3139 | 5.72 | cps |
| Arsenic | 75-1 | 18730 | 19515 | 20299 | 19515 | 4.02 | cps |
| Barium | 135-1 | 4284 | 4609 | 4443 | 4445 | 3.66 | cps |
| Barium | 137-1 | 7327 | 7386 | 7844 | 7519 | 3.77 | cps |
| Beryllium | 9-1 | 306 | 283 | 289 | 293 | 3.95 | cps |
| Bismuth | 209-1 | 6714285 | 6599073 | 6607821 | 6640393 | 0.97 | cps |
| Bismuth | 209-2 | 1499679 | 1504803 | 1512493 | 1505659 | 0.43 | cps |
| Boron | 10-1 | 1775 | 1917 | 1909 | 1867 | 4.26 | cps |
| Boron | 11-1 | 9320 | 9087 | 9053 | 9153 | 1.59 | cps |
| Cadmium | 111-1 | 1029 | 1013 | 1041 | 1027 | 1.34 | cps |
| Cadmium | 106-1 | 1158 | 1208 | 1250 | 1206 | 3.81 | cps |
| Cadmium | 108-1 | 4 | 29 | 38 | 24 | 73.46 | cps |
| Calcium | 43-1 | 174969 | 172801 | 170137 | 172636 | 1.40 | cps |
| Calcium | 44-1 | 2884137 | 2843378 | 2825542 | 2851019 | 1.05 | cps |
| Chromium | 52-2 | 1293 | 1343 | 1220 | 1286 | 4.83 | cps |
| Cobalt | 59-2 | 340 | 377 | 367 | 361 | 5.25 | cps |
| Copper | 63-2 | 13237 | 13503 | 13413 | 13384 | 1.01 | cps |
| Dysprosium | 156-1 | 333 | 408 | 458 | 400 | 15.73 | cps |
| Dysprosium | 156-2 | 47 | 87 | 93 | 76 | 33.40 | cps |
| Erbium | 164-1 | 200 | 317 | 442 | 319 | 37.83 | cps |
| Erbium | 164-2 | 60 | 33 | 43 | 46 | 29.58 | cps |
| Gadolinium | 160-1 | 392 | 408 | 442 | 414 | 6.15 | cps |
| Gadolinium | 160-2 | 87 | 103 | 70 | 87 | 19.23 | cps |
| Holmium | 165-1 | 8892597 | 8759559 | 8683331 | 8778495 | 1.21 | cps |
| Holmium | 165-2 | 1751650 | 1770556 | 1760262 | 1760823 | 0.54 | cps |
| Indium | 115-1 | 6257272 | 6198211 | 6032126 | 6162536 | 1.89 | cps |
| Indium | 115-2 | 238406 | 236128 | 239176 | 237903 | 0.67 | cps |
| Iron | 56-2 | 5646 | 5679 | 5946 | 5757 | 2.86 | cps |
| Iron | 57-2 | 156 | 194 | 139 | 163 | 17.49 | cps |
| Krypton | 83-1 | 373 | 313 | 260 | 316 | 17.97 | cps |
| Lead | 206-1 | 1739 | 1672 | 1745 | 1719 | 2.34 | cps |
| Lead | 207-1 | 1400 | 1483 | 1461 | 1448 | 2.98 | cps |
| Lead | 208-1 | 6790 | 6890 | 6790 | 6823 | 0.85 | cps |
| Lithium | 6-1 | 1072789 | 1057417 | 1058811 | 1063006 | 0.80 | cps |
| Magnesium | 24-2 | 33875 | 34184 | 34409 | 34156 | 0.79 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926712.0-PBCU173 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:40:25 | DataFile Name : | 038SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 267 | 237 | 267 | 257 | 6.75 | cps |
| Molybdenum | 94-1 | 400 | 458 | 525 | 461 | 13.57 | cps |
| Molybdenum | 95-1 | 217 | 242 | 292 | 250 | 15.28 | cps |
| Molybdenum | 96-1 | 442 | 425 | 392 | 419 | 6.07 | cps |
| Molybdenum | 97-1 | 208 | 233 | 175 | 206 | 14.24 | cps |
| Molybdenum | 98-1 | 467 | 467 | 525 | 486 | 6.93 | cps |
| Neodymium | 150-1 | 613 | 520 | 393 | 509 | 21.70 | cps |
| Neodymium | 150-2 | 70 | 70 | 50 | 63 | 18.23 | cps |
| Nickel | 60-2 | 5071 | 5114 | 5051 | 5079 | 0.64 | cps |
| Phosphorus | 31-2 | 83 | 142 | 150 | 125 | 29.06 | cps |
| Potassium | 39-2 | 27570 | 27636 | 26885 | 27364 | 1.52 | cps |
| Rhodium | 103-1 | 5673434 | 5594963 | 5543903 | 5604100 | 1.16 | cps |
| Rhodium | 103-2 | 1410421 | 1392258 | 1402450 | 1401710 | 0.65 | cps |
| Scandium | 45-1 | 3007043 | 3010245 | 2987182 | 3001490 | 0.42 | cps |
| Scandium | 45-2 | 19714 | 20044 | 20188 | 19982 | 1.22 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 0 | 0 | 2 | 1 | 173.21 | cps |
| Selenium | 82-1 | -29 | -6 | 71 | 12 | 435.00 | cps |
| Silicon | 28-1 | 12626313 | 12341569 | 12342929 | 12436937 | 1.32 | cps |
| Silver | 109-1 | 942 | 850 | 792 | 861 | 8.78 | cps |
| Silver | 107-1 | 958 | 950 | 958 | 956 | 0.50 | cps |
| Sodium | 23-2 | 277786 | 272759 | 274415 | 274987 | 0.93 | cps |
| Strontium | 86-1 | 87438 | 85174 | 85451 | 86021 | 1.44 | cps |
| Strontium | 88-1 | 753650 | 741962 | 742123 | 745912 | 0.90 | cps |
| Sulfur | 34-1 | 315553 | 320185 | 319022 | 318254 | 0.76 | cps |
| Terbium | 159-1 | 9017659 | 8903712 | 8811828 | 8911066 | 1.16 | cps |
| Terbium | 159-2 | 1713936 | 1675774 | 1648386 | 1679365 | 1.96 | cps |
| Thallium | 203-1 | 400 | 317 | 342 | 353 | 12.12 | cps |
| Thallium | 205-1 | 558 | 742 | 642 | 647 | 14.18 | cps |
| Tin | 118-1 | 5843 | 6018 | 5768 | 5877 | 2.18 | cps |
| Titanium | 47-1 | 517 | 725 | 617 | 619 | 16.82 | cps |
| Uranium | 238-1 | 2934 | 3051 | 2784 | 2923 | 4.58 | cps |
| Vanadium | 51-2 | 87 | 97 | 73 | 86 | 13.69 | cps |
| Yttrium | 89-1 | 6037443 | 5910615 | 5936014 | 5961357 | 1.13 | cps |
| Yttrium | 89-2 | 164629 | 163212 | 164004 | 163948 | 0.43 | cps |
| Zinc | 66-2 | 6582 | 6788 | 6475 | 6615 | 2.41 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5341-05 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926712.0-PBCU173 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:40:25 | DataFile Name : | 038SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 808 | 675 | 783 | 756 | 9.38 | cps |
| Zirconium | 91-1 | 167 | 200 | 83 | 150 | 40.06 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5342-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926741.0-OUTSIDE-S | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:43:49 | DataFile Name : | 039SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 463 | 433 | 463 | 453 | 3.83 | cps |
| Antimony | 121-1 | 2950 | 2534 | 2692 | 2725 | 7.72 | cps |
| Arsenic | 75-1 | 18346 | 19156 | 18905 | 18802 | 2.20 | cps |
| Barium | 135-1 | 270486 | 266118 | 264613 | 267072 | 1.14 | cps |
| Barium | 137-1 | 471368 | 468677 | 469406 | 469817 | 0.30 | cps |
| Beryllium | 9-1 | 622 | 500 | 589 | 570 | 11.08 | cps |
| Bismuth | 209-1 | 6644902 | 6560891 | 6517380 | 6574391 | 0.99 | cps |
| Bismuth | 209-2 | 1492149 | 1487943 | 1489921 | 1490004 | 0.14 | cps |
| Boron | 10-1 | 2909 | 3000 | 3217 | 3042 | 5.21 | cps |
| Boron | 11-1 | 15693 | 15734 | 16001 | 15809 | 1.06 | cps |
| Cadmium | 111-1 | 1204 | 1042 | 1098 | 1115 | 7.38 | cps |
| Cadmium | 106-1 | 1292 | 1158 | 1183 | 1211 | 5.85 | cps |
| Cadmium | 108-1 | 42 | 21 | 25 | 29 | 37.81 | cps |
| Calcium | 43-1 | 321108 | 318735 | 316810 | 318884 | 0.68 | cps |
| Calcium | 44-1 | 5298061 | 5167393 | 5210903 | 5225452 | 1.27 | cps |
| Chromium | 52-2 | 750 | 813 | 870 | 811 | 7.40 | cps |
| Cobalt | 59-2 | 11528 | 11218 | 11315 | 11354 | 1.40 | cps |
| Copper | 63-2 | 443797 | 438416 | 438413 | 440209 | 0.71 | cps |
| Dysprosium | 156-1 | 2300 | 2567 | 2167 | 2345 | 8.69 | cps |
| Dysprosium | 156-2 | 610 | 587 | 620 | 606 | 2.83 | cps |
| Erbium | 164-1 | 3542 | 3217 | 3426 | 3395 | 4.85 | cps |
| Erbium | 164-2 | 650 | 697 | 600 | 649 | 7.45 | cps |
| Gadolinium | 160-1 | 2609 | 2992 | 2875 | 2825 | 6.96 | cps |
| Gadolinium | 160-2 | 677 | 787 | 770 | 744 | 7.96 | cps |
| Holmium | 165-1 | 8842653 | 8770775 | 8690165 | 8767865 | 0.87 | cps |
| Holmium | 165-2 | 1772434 | 1764937 | 1776519 | 1771297 | 0.33 | cps |
| Indium | 115-1 | 6128390 | 6120543 | 6104194 | 6117709 | 0.20 | cps |
| Indium | 115-2 | 242408 | 239817 | 239080 | 240435 | 0.73 | cps |
| Iron | 56-2 | 5646 | 5796 | 5740 | 5727 | 1.33 | cps |
| Iron | 57-2 | 139 | 133 | 161 | 144 | 10.18 | cps |
| Krypton | 83-1 | 290 | 343 | 320 | 318 | 8.41 | cps |
| Lead | 206-1 | 7219 | 6969 | 7174 | 7121 | 1.87 | cps |
| Lead | 207-1 | 5902 | 5724 | 6302 | 5976 | 4.96 | cps |
| Lead | 208-1 | 27479 | 27835 | 27857 | 27724 | 0.77 | cps |
| Lithium | 6-1 | 1070226 | 1053635 | 1049298 | 1057720 | 1.04 | cps |
| Magnesium | 24-2 | 172272 | 171016 | 173251 | 172179 | 0.65 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5342-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926741.0-OUTSIDE-S | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:43:49 | DataFile Name : | 039SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 15238 | 14591 | 15135 | 14988 | 2.32 | cps |
| Molybdenum | 94-1 | 475 | 500 | 425 | 467 | 8.18 | cps |
| Molybdenum | 95-1 | 192 | 208 | 250 | 217 | 13.87 | cps |
| Molybdenum | 96-1 | 408 | 408 | 283 | 367 | 19.68 | cps |
| Molybdenum | 97-1 | 175 | 183 | 150 | 169 | 10.24 | cps |
| Molybdenum | 98-1 | 458 | 300 | 400 | 386 | 20.74 | cps |
| Neodymium | 150-1 | 2094 | 1860 | 2134 | 2029 | 7.28 | cps |
| Neodymium | 150-2 | 223 | 223 | 260 | 236 | 8.99 | cps |
| Nickel | 60-2 | 3070 | 2934 | 3170 | 3058 | 3.89 | cps |
| Phosphorus | 31-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Potassium | 39-2 | 29248 | 28905 | 28229 | 28794 | 1.80 | cps |
| Rhodium | 103-1 | 5566456 | 5521349 | 5467829 | 5518545 | 0.89 | cps |
| Rhodium | 103-2 | 1414543 | 1407463 | 1396265 | 1406090 | 0.66 | cps |
| Scandium | 45-1 | 3007230 | 2990887 | 2984117 | 2994078 | 0.40 | cps |
| Scandium | 45-2 | 20121 | 20211 | 19764 | 20032 | 1.18 | cps |
| Selenium | 77-2 | 3 | 3 | 0 | 2 | 86.60 | cps |
| Selenium | 78-2 | 4 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 82-1 | 22 | -3 | 39 | 20 | 107.03 | cps |
| Silicon | 28-1 | 8781726 | 8692374 | 8735329 | 8736476 | 0.51 | cps |
| Silver | 109-1 | 917 | 667 | 842 | 808 | 15.87 | cps |
| Silver | 107-1 | 775 | 917 | 775 | 822 | 9.95 | cps |
| Sodium | 23-2 | 1912519 | 1894052 | 1889962 | 1898845 | 0.63 | cps |
| Strontium | 86-1 | 122125 | 120394 | 120948 | 121156 | 0.73 | cps |
| Strontium | 88-1 | 1053951 | 1047453 | 1041233 | 1047546 | 0.61 | cps |
| Sulfur | 34-1 | 427794 | 421235 | 419163 | 422731 | 1.07 | cps |
| Terbium | 159-1 | 9013453 | 8980049 | 8927373 | 8973625 | 0.48 | cps |
| Terbium | 159-2 | 1719586 | 1709299 | 1670952 | 1699945 | 1.51 | cps |
| Thallium | 203-1 | 417 | 400 | 475 | 431 | 9.15 | cps |
| Thallium | 205-1 | 975 | 1117 | 992 | 1028 | 7.53 | cps |
| Tin | 118-1 | 2292 | 2467 | 2484 | 2414 | 4.40 | cps |
| Titanium | 47-1 | 150 | 208 | 183 | 181 | 16.21 | cps |
| Uranium | 238-1 | 817 | 892 | 825 | 845 | 4.87 | cps |
| Vanadium | 51-2 | 70 | 50 | 73 | 64 | 19.58 | cps |
| Yttrium | 89-1 | 6081324 | 6004141 | 5989429 | 6024965 | 0.82 | cps |
| Yttrium | 89-2 | 169436 | 165218 | 166521 | 167058 | 1.29 | cps |
| Zinc | 66-2 | 10184 | 10151 | 9827 | 10054 | 1.96 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5342-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926741.0-OUTSIDE-S | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:43:49 | DataFile Name : | 039SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 983 | 1083 | 908 | 992 | 8.85 | cps |
| Zirconium | 91-1 | 242 | 267 | 258 | 256 | 4.98 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5348-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380924069.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:47:11 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 133 | 148 | 103 | 128 | 17.97 | cps |
| Antimony | 121-1 | 2492 | 2892 | 2967 | 2784 | 9.18 | cps |
| Arsenic | 75-1 | 21818 | 23688 | 24690 | 23399 | 6.23 | cps |
| Barium | 135-1 | 2734 | 2892 | 2942 | 2856 | 3.81 | cps |
| Barium | 137-1 | 4634 | 5193 | 5226 | 5018 | 6.63 | cps |
| Beryllium | 9-1 | 106 | 100 | 111 | 106 | 5.26 | cps |
| Bismuth | 209-1 | 6475123 | 6408679 | 6416925 | 6433576 | 0.56 | cps |
| Bismuth | 209-2 | 1458694 | 1464861 | 1458004 | 1460520 | 0.26 | cps |
| Boron | 10-1 | 9887 | 9428 | 9654 | 9656 | 2.38 | cps |
| Boron | 11-1 | 47137 | 48692 | 48324 | 48051 | 1.69 | cps |
| Cadmium | 111-1 | 901 | 896 | 877 | 891 | 1.44 | cps |
| Cadmium | 106-1 | 1250 | 1225 | 1225 | 1233 | 1.17 | cps |
| Cadmium | 108-1 | 17 | 4 | 8 | 10 | 65.47 | cps |
| Calcium | 43-1 | 11513 | 11989 | 11755 | 11753 | 2.02 | cps |
| Calcium | 44-1 | 199946 | 199184 | 198382 | 199171 | 0.39 | cps |
| Chromium | 52-2 | 817 | 903 | 793 | 838 | 6.92 | cps |
| Cobalt | 59-2 | 83 | 70 | 123 | 92 | 30.10 | cps |
| Copper | 63-2 | 83489 | 83274 | 82597 | 83120 | 0.56 | cps |
| Dysprosium | 156-1 | 75 | 75 | 108 | 86 | 22.35 | cps |
| Dysprosium | 156-2 | 7 | 20 | 13 | 13 | 49.99 | cps |
| Erbium | 164-1 | 75 | 92 | 92 | 86 | 11.18 | cps |
| Erbium | 164-2 | 23 | 17 | 30 | 23 | 28.56 | cps |
| Gadolinium | 160-1 | 150 | 183 | 117 | 150 | 22.22 | cps |
| Gadolinium | 160-2 | 17 | 23 | 10 | 17 | 39.99 | cps |
| Holmium | 165-1 | 8718988 | 8687399 | 8699852 | 8702079 | 0.18 | cps |
| Holmium | 165-2 | 1748940 | 1734220 | 1755986 | 1746382 | 0.64 | cps |
| Indium | 115-1 | 5999929 | 6053875 | 6047455 | 6033753 | 0.49 | cps |
| Indium | 115-2 | 237071 | 237618 | 237532 | 237407 | 0.12 | cps |
| Iron | 56-2 | 32026 | 31480 | 31737 | 31748 | 0.86 | cps |
| Iron | 57-2 | 861 | 761 | 867 | 830 | 7.16 | cps |
| Krypton | 83-1 | 277 | 323 | 310 | 303 | 7.92 | cps |
| Lead | 206-1 | 5090 | 4879 | 4690 | 4886 | 4.10 | cps |
| Lead | 207-1 | 4523 | 4234 | 4268 | 4342 | 3.64 | cps |
| Lead | 208-1 | 20702 | 19534 | 19579 | 19938 | 3.32 | cps |
| Lithium | 6-1 | 1039162 | 1036971 | 1025161 | 1033765 | 0.73 | cps |
| Magnesium | 24-2 | 3901 | 3884 | 3951 | 3912 | 0.89 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5348-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380924069.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:47:11 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 290 | 283 | 260 | 278 | 5.67 | cps |
| Molybdenum | 94-1 | 1759 | 1909 | 1775 | 1814 | 4.53 | cps |
| Molybdenum | 95-1 | 508 | 533 | 425 | 489 | 11.60 | cps |
| Molybdenum | 96-1 | 808 | 817 | 817 | 814 | 0.59 | cps |
| Molybdenum | 97-1 | 325 | 425 | 408 | 386 | 13.88 | cps |
| Molybdenum | 98-1 | 850 | 1142 | 883 | 958 | 16.66 | cps |
| Neodymium | 150-1 | 93 | 53 | 53 | 67 | 34.64 | cps |
| Neodymium | 150-2 | 3 | 10 | 3 | 6 | 69.34 | cps |
| Nickel | 60-2 | 337 | 390 | 410 | 379 | 10.00 | cps |
| Phosphorus | 31-2 | 242 | 167 | 183 | 197 | 19.97 | cps |
| Potassium | 39-2 | 7502 | 7936 | 7702 | 7714 | 2.81 | cps |
| Rhodium | 103-1 | 5441555 | 5450413 | 5413430 | 5435133 | 0.36 | cps |
| Rhodium | 103-2 | 1372080 | 1374021 | 1374360 | 1373487 | 0.09 | cps |
| Scandium | 45-1 | 2957255 | 2992131 | 2992803 | 2980730 | 0.68 | cps |
| Scandium | 45-2 | 20285 | 19964 | 19761 | 20003 | 1.32 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 0 | 0 | 2 | 1 | 173.21 | cps |
| Selenium | 82-1 | 68 | -42 | -4 | 7 | 755.65 | cps |
| Silicon | 28-1 | 29430816 | 29081848 | 29071199 | 29194621 | 0.70 | cps |
| Silver | 109-1 | 633 | 683 | 775 | 697 | 10.30 | cps |
| Silver | 107-1 | 758 | 600 | 575 | 644 | 15.43 | cps |
| Sodium | 23-2 | 9549752 | 9568621 | 9516262 | 9544878 | 0.28 | cps |
| Strontium | 86-1 | 6452 | 6760 | 6435 | 6549 | 2.80 | cps |
| Strontium | 88-1 | 52352 | 50578 | 51239 | 51390 | 1.74 | cps |
| Sulfur | 34-1 | 531049 | 532395 | 531249 | 531564 | 0.14 | cps |
| Terbium | 159-1 | 8915033 | 8864353 | 8776181 | 8851856 | 0.79 | cps |
| Terbium | 159-2 | 1674990 | 1672143 | 1672162 | 1673098 | 0.10 | cps |
| Thallium | 203-1 | 150 | 183 | 167 | 167 | 10.00 | cps |
| Thallium | 205-1 | 375 | 358 | 383 | 372 | 3.42 | cps |
| Tin | 118-1 | 1517 | 1725 | 1642 | 1628 | 6.44 | cps |
| Titanium | 47-1 | 600 | 667 | 450 | 572 | 19.39 | cps |
| Uranium | 238-1 | 53357 | 52035 | 52186 | 52526 | 1.38 | cps |
| Vanadium | 51-2 | 2430 | 2697 | 2427 | 2518 | 6.15 | cps |
| Yttrium | 89-1 | 5928570 | 5924418 | 5883096 | 5912028 | 0.43 | cps |
| Yttrium | 89-2 | 163613 | 163754 | 163630 | 163666 | 0.05 | cps |
| Zinc | 66-2 | 2177 | 2100 | 2024 | 2100 | 3.65 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5348-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380924069.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:47:11 | DataFile Name : | 040SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 4318 | 4493 | 4518 | 4443 | 2.45 | cps |
| Zirconium | 91-1 | 933 | 933 | 1050 | 972 | 6.93 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5349-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380918149.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:50:34 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 95 | 98 | 90 | 94 | 4.06 | cps |
| Antimony | 121-1 | 2867 | 2617 | 2684 | 2723 | 4.76 | cps |
| Arsenic | 75-1 | 25065 | 24982 | 24506 | 24851 | 1.21 | cps |
| Barium | 135-1 | 2233864 | 2267389 | 2222123 | 2241125 | 1.05 | cps |
| Barium | 137-1 | 3938935 | 3943865 | 3929681 | 3937494 | 0.18 | cps |
| Beryllium | 9-1 | 117 | 133 | 106 | 119 | 11.80 | cps |
| Bismuth | 209-1 | 6576772 | 6534597 | 6547481 | 6552950 | 0.33 | cps |
| Bismuth | 209-2 | 1536839 | 1509369 | 1514984 | 1520397 | 0.95 | cps |
| Boron | 10-1 | 3951 | 3809 | 4109 | 3956 | 3.79 | cps |
| Boron | 11-1 | 18621 | 19005 | 19848 | 19158 | 3.28 | cps |
| Cadmium | 111-1 | 787 | 1006 | 938 | 911 | 12.32 | cps |
| Cadmium | 106-1 | 1075 | 1400 | 1275 | 1250 | 13.12 | cps |
| Cadmium | 108-1 | 4 | 4 | 13 | 7 | 69.23 | cps |
| Calcium | 43-1 | 2597392 | 2552513 | 2517774 | 2555893 | 1.56 | cps |
| Calcium | 44-1 | 41471305 | 41177388 | 40675204 | 41107966 | 0.98 | cps |
| Chromium | 52-2 | 1797 | 1660 | 1670 | 1709 | 4.46 | cps |
| Cobalt | 59-2 | 90 | 97 | 113 | 100 | 12.02 | cps |
| Copper | 63-2 | 6468 | 6748 | 6625 | 6614 | 2.12 | cps |
| Dysprosium | 156-1 | 8 | 50 | 0 | 19 | 137.78 | cps |
| Dysprosium | 156-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Erbium | 164-1 | 42 | 33 | 67 | 47 | 36.73 | cps |
| Erbium | 164-2 | 3 | 0 | 13 | 6 | 124.93 | cps |
| Gadolinium | 160-1 | 67 | 75 | 33 | 58 | 37.79 | cps |
| Gadolinium | 160-2 | 3 | 7 | 10 | 7 | 50.03 | cps |
| Holmium | 165-1 | 8994718 | 8973782 | 8859337 | 8942613 | 0.81 | cps |
| Holmium | 165-2 | 1865729 | 1801506 | 1820600 | 1829278 | 1.80 | cps |
| Indium | 115-1 | 6265293 | 6171736 | 6127535 | 6188188 | 1.14 | cps |
| Indium | 115-2 | 247408 | 242171 | 240779 | 243452 | 1.44 | cps |
| Iron | 56-2 | 8636 | 8380 | 8247 | 8421 | 2.35 | cps |
| Iron | 57-2 | 239 | 289 | 228 | 252 | 12.92 | cps |
| Krypton | 83-1 | 300 | 327 | 363 | 330 | 9.63 | cps |
| Lead | 206-1 | 9721 | 10043 | 10054 | 9939 | 1.91 | cps |
| Lead | 207-1 | 8525 | 8386 | 8726 | 8546 | 2.00 | cps |
| Lead | 208-1 | 40138 | 40204 | 39798 | 40047 | 0.54 | cps |
| Lithium | 6-1 | 1095275 | 1073160 | 1075682 | 1081372 | 1.12 | cps |
| Magnesium | 24-2 | 1049275 | 1046744 | 1036140 | 1044053 | 0.67 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5349-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380918149.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:50:34 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 290 | 337 | 300 | 309 | 7.95 | cps |
| Molybdenum | 94-1 | 950 | 1017 | 1033 | 1000 | 4.41 | cps |
| Molybdenum | 95-1 | 1017 | 892 | 1108 | 1006 | 10.82 | cps |
| Molybdenum | 96-1 | 1133 | 1108 | 1175 | 1139 | 2.96 | cps |
| Molybdenum | 97-1 | 750 | 542 | 717 | 669 | 16.72 | cps |
| Molybdenum | 98-1 | 1550 | 1775 | 1650 | 1659 | 6.80 | cps |
| Neodymium | 150-1 | 113 | 67 | 73 | 84 | 29.89 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 1473 | 1623 | 1480 | 1526 | 5.56 | cps |
| Phosphorus | 31-2 | 0 | 17 | 33 | 17 | 99.99 | cps |
| Potassium | 39-2 | 20257 | 19756 | 20015 | 20009 | 1.25 | cps |
| Rhodium | 103-1 | 5560182 | 5541867 | 5473865 | 5525305 | 0.82 | cps |
| Rhodium | 103-2 | 1419126 | 1395171 | 1393856 | 1402718 | 1.01 | cps |
| Scandium | 45-1 | 3051968 | 3032227 | 3000289 | 3028161 | 0.86 | cps |
| Scandium | 45-2 | 21013 | 20752 | 20158 | 20641 | 2.12 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 2 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 82-1 | 51 | 59 | 26 | 45 | 38.32 | cps |
| Silicon | 28-1 | 39922238 | 39631354 | 39244433 | 39599342 | 0.86 | cps |
| Silver | 109-1 | 758 | 800 | 708 | 756 | 6.07 | cps |
| Silver | 107-1 | 708 | 967 | 758 | 811 | 16.89 | cps |
| Sodium | 23-2 | 1243035 | 1219334 | 1219471 | 1227280 | 1.11 | cps |
| Strontium | 86-1 | 1911291 | 1906726 | 1884598 | 1900872 | 0.75 | cps |
| Strontium | 88-1 | 16347552 | 16272245 | 16110689 | 16243496 | 0.75 | cps |
| Sulfur | 34-1 | 352296 | 352714 | 353845 | 352951 | 0.23 | cps |
| Terbium | 159-1 | 9128526 | 9180236 | 9086098 | 9131620 | 0.52 | cps |
| Terbium | 159-2 | 1783723 | 1752134 | 1731992 | 1755950 | 1.48 | cps |
| Thallium | 203-1 | 142 | 217 | 142 | 167 | 25.98 | cps |
| Thallium | 205-1 | 533 | 542 | 467 | 514 | 8.00 | cps |
| Tin | 118-1 | 1500 | 1850 | 1834 | 1728 | 11.43 | cps |
| Titanium | 47-1 | 458 | 467 | 392 | 439 | 9.37 | cps |
| Uranium | 238-1 | 26178 | 26104 | 26179 | 26154 | 0.17 | cps |
| Vanadium | 51-2 | 840 | 843 | 777 | 820 | 4.58 | cps |
| Yttrium | 89-1 | 6085681 | 6011214 | 5960572 | 6019156 | 1.05 | cps |
| Yttrium | 89-2 | 168639 | 165235 | 167405 | 167093 | 1.03 | cps |
| Zinc | 66-2 | 2577 | 2577 | 2604 | 2586 | 0.60 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5349-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380918149.0 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:50:34 | DataFile Name : | 041SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 958 | 1042 | 750 | 917 | 16.39 | cps |
| Zirconium | 91-1 | 167 | 192 | 242 | 200 | 19.09 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5350-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928102.0-GREANEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:53:56 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 98 | 115 | 93 | 102 | 11.62 | cps |
| Antimony | 121-1 | 2575 | 2775 | 2792 | 2714 | 4.44 | cps |
| Arsenic | 75-1 | 18705 | 18355 | 20283 | 19114 | 5.37 | cps |
| Barium | 135-1 | 375640 | 371214 | 370794 | 372549 | 0.72 | cps |
| Barium | 137-1 | 663152 | 656056 | 656065 | 658424 | 0.62 | cps |
| Beryllium | 9-1 | 94 | 94 | 106 | 98 | 6.54 | cps |
| Bismuth | 209-1 | 6713676 | 6610129 | 6653171 | 6658992 | 0.78 | cps |
| Bismuth | 209-2 | 1518505 | 1499539 | 1531441 | 1516495 | 1.06 | cps |
| Boron | 10-1 | 2109 | 2292 | 1950 | 2117 | 8.08 | cps |
| Boron | 11-1 | 10905 | 10304 | 10554 | 10588 | 2.85 | cps |
| Cadmium | 111-1 | 1051 | 842 | 808 | 900 | 14.65 | cps |
| Cadmium | 106-1 | 1408 | 1150 | 1092 | 1217 | 13.85 | cps |
| Cadmium | 108-1 | 38 | 54 | 33 | 42 | 26.47 | cps |
| Calcium | 43-1 | 1322781 | 1325293 | 1276161 | 1308078 | 2.12 | cps |
| Calcium | 44-1 | 20956922 | 20734533 | 20596994 | 20762816 | 0.87 | cps |
| Chromium | 52-2 | 840 | 900 | 920 | 887 | 4.70 | cps |
| Cobalt | 59-2 | 87 | 83 | 97 | 89 | 7.80 | cps |
| Copper | 63-2 | 171783 | 172063 | 171122 | 171656 | 0.28 | cps |
| Dysprosium | 156-1 | 8 | 25 | 83 | 39 | 101.28 | cps |
| Dysprosium | 156-2 | 7 | 7 | 3 | 6 | 34.70 | cps |
| Erbium | 164-1 | 83 | 92 | 50 | 75 | 29.40 | cps |
| Erbium | 164-2 | 10 | 10 | 17 | 12 | 31.50 | cps |
| Gadolinium | 160-1 | 50 | 125 | 67 | 81 | 48.89 | cps |
| Gadolinium | 160-2 | 17 | 10 | 13 | 13 | 25.01 | cps |
| Holmium | 165-1 | 9203735 | 9035919 | 9039531 | 9093062 | 1.05 | cps |
| Holmium | 165-2 | 1828857 | 1800347 | 1840688 | 1823298 | 1.14 | cps |
| Indium | 115-1 | 6367193 | 6268786 | 6171353 | 6269111 | 1.56 | cps |
| Indium | 115-2 | 242978 | 242360 | 247240 | 244193 | 1.09 | cps |
| Iron | 56-2 | 3028 | 3050 | 2806 | 2962 | 4.57 | cps |
| Iron | 57-2 | 44 | 83 | 122 | 83 | 46.66 | cps |
| Krypton | 83-1 | 303 | 390 | 330 | 341 | 13.01 | cps |
| Lead | 206-1 | 7152 | 6813 | 6858 | 6941 | 2.65 | cps |
| Lead | 207-1 | 6146 | 5796 | 6207 | 6050 | 3.67 | cps |
| Lead | 208-1 | 27245 | 27374 | 27601 | 27407 | 0.66 | cps |
| Lithium | 6-1 | 1107945 | 1099395 | 1094186 | 1100509 | 0.63 | cps |
| Magnesium | 24-2 | 963476 | 949369 | 952731 | 955192 | 0.77 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5350-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928102.0-GREANEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:53:56 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 153 | 140 | 160 | 151 | 6.74 | cps |
| Molybdenum | 94-1 | 2584 | 2700 | 2734 | 2673 | 2.95 | cps |
| Molybdenum | 95-1 | 3801 | 3867 | 3984 | 3884 | 2.39 | cps |
| Molybdenum | 96-1 | 4034 | 4459 | 4518 | 4337 | 6.09 | cps |
| Molybdenum | 97-1 | 2467 | 2409 | 2450 | 2442 | 1.23 | cps |
| Molybdenum | 98-1 | 6477 | 5885 | 5952 | 6104 | 5.31 | cps |
| Neodymium | 150-1 | 60 | 40 | 47 | 49 | 20.83 | cps |
| Neodymium | 150-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Nickel | 60-2 | 1573 | 1503 | 1563 | 1547 | 2.45 | cps |
| Phosphorus | 31-2 | 0 | 17 | 0 | 6 | 173.21 | cps |
| Potassium | 39-2 | 18721 | 18363 | 18463 | 18516 | 1.00 | cps |
| Rhodium | 103-1 | 5676783 | 5676835 | 5633051 | 5662223 | 0.45 | cps |
| Rhodium | 103-2 | 1418593 | 1406164 | 1447033 | 1423930 | 1.47 | cps |
| Scandium | 45-1 | 3091971 | 3071948 | 3064053 | 3075991 | 0.47 | cps |
| Scandium | 45-2 | 20388 | 20418 | 21089 | 20632 | 1.92 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 2 | 0 | 2 | 1 | 86.60 | cps |
| Selenium | 82-1 | 45 | 3 | 54 | 34 | 81.10 | cps |
| Silicon | 28-1 | 24934510 | 24621454 | 24423721 | 24659895 | 1.04 | cps |
| Silver | 109-1 | 742 | 908 | 933 | 861 | 12.10 | cps |
| Silver | 107-1 | 892 | 950 | 1058 | 967 | 8.75 | cps |
| Sodium | 23-2 | 1308964 | 1280315 | 1270307 | 1286529 | 1.56 | cps |
| Strontium | 86-1 | 8702384 | 8583425 | 8513850 | 8599886 | 1.11 | cps |
| Strontium | 88-1 | 75254283 | 74629802 | 73802304 | 74562129 | 0.98 | cps |
| Sulfur | 34-1 | 641682 | 637091 | 636519 | 638430 | 0.44 | cps |
| Terbium | 159-1 | 9285223 | 9204090 | 9213050 | 9234121 | 0.48 | cps |
| Terbium | 159-2 | 1747816 | 1731815 | 1750872 | 1743501 | 0.59 | cps |
| Thallium | 203-1 | 200 | 242 | 150 | 197 | 23.27 | cps |
| Thallium | 205-1 | 500 | 483 | 533 | 506 | 5.04 | cps |
| Tin | 118-1 | 1283 | 1125 | 1417 | 1275 | 11.45 | cps |
| Titanium | 47-1 | 392 | 433 | 350 | 392 | 10.64 | cps |
| Uranium | 238-1 | 51634 | 52093 | 50821 | 51516 | 1.25 | cps |
| Vanadium | 51-2 | 260 | 190 | 273 | 241 | 18.57 | cps |
| Yttrium | 89-1 | 6196654 | 6163206 | 6123066 | 6160975 | 0.60 | cps |
| Yttrium | 89-2 | 169692 | 165313 | 171015 | 168673 | 1.77 | cps |
| Zinc | 66-2 | 94463 | 94469 | 92670 | 93867 | 1.10 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5350-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928102.0-GREANEY | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:53:56 | DataFile Name : | 042SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1192 | 858 | 950 | 1000 | 17.22 | cps |
| Zirconium | 91-1 | 292 | 158 | 250 | 233 | 29.23 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:57:17 | DataFile Name : | 043CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 300760 | 299696 | 299043 | 299833 | 0.29 | cps |
| Antimony | 121-1 | 5121676 | 5087123 | 5163549 | 5124116 | 0.75 | cps |
| Arsenic | 75-1 | 1166512 | 1161568 | 1172692 | 1166924 | 0.48 | cps |
| Barium | 135-1 | 5659142 | 5643706 | 5695299 | 5666049 | 0.47 | cps |
| Barium | 137-1 | 9886190 | 9924931 | 9973139 | 9928086 | 0.44 | cps |
| Beryllium | 9-1 | 586598 | 589965 | 589457 | 588673 | 0.31 | cps |
| Bismuth | 209-1 | 5779866 | 5784235 | 5785277 | 5783126 | 0.05 | cps |
| Bismuth | 209-2 | 1366550 | 1349840 | 1351872 | 1356087 | 0.67 | cps |
| Boron | 10-1 | 66052 | 69184 | 69937 | 68391 | 3.01 | cps |
| Boron | 11-1 | 325186 | 335538 | 345273 | 335332 | 3.00 | cps |
| Cadmium | 111-1 | 1114358 | 1112763 | 1121771 | 1116298 | 0.43 | cps |
| Cadmium | 106-1 | 116323 | 119197 | 119921 | 118481 | 1.61 | cps |
| Cadmium | 108-1 | 78778 | 80238 | 81268 | 80095 | 1.56 | cps |
| Calcium | 43-1 | 4673319 | 4695860 | 4770075 | 4713085 | 1.07 | cps |
| Calcium | 44-1 | 76242295 | 77204302 | 76967500 | 76804699 | 0.65 | cps |
| Chromium | 52-2 | 388053 | 389704 | 387729 | 388495 | 0.27 | cps |
| Cobalt | 59-2 | 837259 | 834419 | 836828 | 836169 | 0.18 | cps |
| Copper | 63-2 | 1420990 | 1413144 | 1416810 | 1416981 | 0.28 | cps |
| Dysprosium | 156-1 | 133 | 133 | 150 | 139 | 6.93 | cps |
| Dysprosium | 156-2 | 3 | 17 | 7 | 9 | 78.08 | cps |
| Erbium | 164-1 | 58 | 92 | 58 | 69 | 27.71 | cps |
| Erbium | 164-2 | 10 | 20 | 10 | 13 | 43.30 | cps |
| Gadolinium | 160-1 | 75 | 67 | 100 | 81 | 21.54 | cps |
| Gadolinium | 160-2 | 10 | 7 | 23 | 13 | 66.12 | cps |
| Holmium | 165-1 | 8300846 | 8280311 | 8255773 | 8278977 | 0.27 | cps |
| Holmium | 165-2 | 1715744 | 1700161 | 1710507 | 1708804 | 0.46 | cps |
| Indium | 115-1 | 5506297 | 5544097 | 5522470 | 5524288 | 0.34 | cps |
| Indium | 115-2 | 227881 | 224351 | 227481 | 226571 | 0.85 | cps |
| Iron | 56-2 | 63714964 | 64077931 | 64281054 | 64024650 | 0.45 | cps |
| Iron | 57-2 | 1678562 | 1652454 | 1649642 | 1660219 | 0.96 | cps |
| Krypton | 83-1 | 373 | 317 | 327 | 339 | 8.93 | cps |
| Lead | 206-1 | 4099615 | 4099190 | 4081082 | 4093296 | 0.26 | cps |
| Lead | 207-1 | 3786996 | 3796010 | 3751579 | 3778195 | 0.62 | cps |
| Lead | 208-1 | 16810565 | 16875785 | 16749179 | 16811843 | 0.38 | cps |
| Lithium | 6-1 | 902787 | 912145 | 912729 | 909220 | 0.61 | cps |
| Magnesium | 24-2 | 6405996 | 6343197 | 6375759 | 6374984 | 0.49 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:57:17 | DataFile Name : | 043CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 218947 | 220091 | 218930 | 219323 | 0.30 | cps |
| Molybdenum | 94-1 | 8361855 | 8433445 | 8527026 | 8440775 | 0.98 | cps |
| Molybdenum | 95-1 | 10414347 | 10371231 | 10525308 | 10436962 | 0.76 | cps |
| Molybdenum | 96-1 | 11545902 | 11562839 | 11711898 | 11606880 | 0.79 | cps |
| Molybdenum | 97-1 | 6598316 | 6645412 | 6650025 | 6631251 | 0.43 | cps |
| Molybdenum | 98-1 | 16896624 | 17095356 | 17039729 | 17010570 | 0.60 | cps |
| Neodymium | 150-1 | 267 | 333 | 327 | 309 | 11.89 | cps |
| Neodymium | 150-2 | 23 | 7 | 17 | 16 | 53.90 | cps |
| Nickel | 60-2 | 251588 | 249854 | 250007 | 250483 | 0.38 | cps |
| Phosphorus | 31-2 | 3717 | 3926 | 3817 | 3820 | 2.73 | cps |
| Potassium | 39-2 | 1675875 | 1669839 | 1680235 | 1675316 | 0.31 | cps |
| Rhodium | 103-1 | 4944928 | 4939574 | 4951026 | 4945176 | 0.12 | cps |
| Rhodium | 103-2 | 1297511 | 1296941 | 1297327 | 1297260 | 0.02 | cps |
| Scandium | 45-1 | 2872975 | 2851769 | 2896166 | 2873637 | 0.77 | cps |
| Scandium | 45-2 | 20876 | 20452 | 20605 | 20644 | 1.04 | cps |
| Selenium | 77-2 | 413 | 310 | 337 | 353 | 15.18 | cps |
| Selenium | 78-2 | 1193 | 1102 | 1209 | 1168 | 4.95 | cps |
| Selenium | 82-1 | 63194 | 63979 | 64481 | 63885 | 1.02 | cps |
| Silicon | 28-1 | 1857847 | 1888872 | 1885072 | 1877264 | 0.90 | cps |
| Silver | 109-1 | 5104723 | 5100414 | 5153830 | 5119656 | 0.58 | cps |
| Silver | 107-1 | 5323336 | 5324965 | 5278233 | 5308845 | 0.50 | cps |
| Sodium | 23-2 | 14111471 | 13962673 | 14161777 | 14078640 | 0.74 | cps |
| Strontium | 86-1 | 1271476 | 1269910 | 1279225 | 1273537 | 0.39 | cps |
| Strontium | 88-1 | 11055560 | 10989385 | 11089978 | 11044975 | 0.46 | cps |
| Sulfur | 34-1 | 556883 | 560440 | 559069 | 558797 | 0.32 | cps |
| Terbium | 159-1 | 8300393 | 8323260 | 8398953 | 8340869 | 0.62 | cps |
| Terbium | 159-2 | 1619696 | 1614913 | 1627471 | 1620693 | 0.39 | cps |
| Thallium | 203-1 | 4992763 | 5021742 | 5060355 | 5024953 | 0.67 | cps |
| Thallium | 205-1 | 12026478 | 12018757 | 12103045 | 12049427 | 0.39 | cps |
| Tin | 118-1 | 3641668 | 3599607 | 3648418 | 3629898 | 0.73 | cps |
| Titanium | 47-1 | 2384977 | 2391889 | 2408867 | 2395244 | 0.51 | cps |
| Uranium | 238-1 | 17990057 | 18065635 | 17898119 | 17984604 | 0.47 | cps |
| Vanadium | 51-2 | 277051 | 277128 | 275244 | 276474 | 0.39 | cps |
| Yttrium | 89-1 | 5641320 | 5554085 | 5578722 | 5591375 | 0.80 | cps |
| Yttrium | 89-2 | 164615 | 160975 | 162675 | 162755 | 1.12 | cps |
| Zinc | 66-2 | 135921 | 136090 | 135827 | 135946 | 0.10 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 14:57:17 | DataFile Name : | 043CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 7033106 | 7010587 | 7068873 | 7037522 | 0.42 | cps |
| Zirconium | 91-1 | 1579548 | 1602770 | 1589391 | 1590569 | 0.73 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:00:30 | DataFile Name : | 044CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 15 | 10 | 15 | 13 | 21.65 | cps |
| Antimony | 121-1 | 11272 | 11572 | 9762 | 10869 | 8.92 | cps |
| Arsenic | 75-1 | 900 | 983 | 992 | 958 | 5.29 | cps |
| Barium | 135-1 | 167 | 233 | 150 | 183 | 24.05 | cps |
| Barium | 137-1 | 325 | 475 | 275 | 358 | 29.05 | cps |
| Beryllium | 9-1 | 450 | 428 | 433 | 437 | 2.65 | cps |
| Bismuth | 209-1 | 6142755 | 5965515 | 6074989 | 6061086 | 1.48 | cps |
| Bismuth | 209-2 | 1465944 | 1428653 | 1445481 | 1446693 | 1.29 | cps |
| Boron | 10-1 | 2550 | 2409 | 2434 | 2464 | 3.07 | cps |
| Boron | 11-1 | 12956 | 11588 | 11755 | 12100 | 6.17 | cps |
| Cadmium | 111-1 | 1025 | 963 | 936 | 975 | 4.69 | cps |
| Cadmium | 106-1 | 1275 | 1283 | 1167 | 1242 | 5.24 | cps |
| Cadmium | 108-1 | 25 | 21 | 8 | 18 | 48.05 | cps |
| Calcium | 43-1 | 375 | 308 | 483 | 389 | 22.71 | cps |
| Calcium | 44-1 | 12773 | 12990 | 12906 | 12890 | 0.85 | cps |
| Chromium | 52-2 | 500 | 440 | 500 | 480 | 7.22 | cps |
| Cobalt | 59-2 | 53 | 43 | 57 | 51 | 13.58 | cps |
| Copper | 63-2 | 473 | 500 | 477 | 483 | 3.01 | cps |
| Dysprosium | 156-1 | 8 | 8 | 17 | 11 | 43.34 | cps |
| Dysprosium | 156-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Erbium | 164-1 | 42 | 33 | 67 | 47 | 36.74 | cps |
| Erbium | 164-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Gadolinium | 160-1 | 50 | 42 | 8 | 33 | 66.15 | cps |
| Gadolinium | 160-2 | 0 | 13 | 10 | 8 | 89.21 | cps |
| Holmium | 165-1 | 8210234 | 7894637 | 8205298 | 8103390 | 2.23 | cps |
| Holmium | 165-2 | 1726002 | 1681725 | 1691993 | 1699907 | 1.36 | cps |
| Indium | 115-1 | 5839955 | 5634772 | 5806122 | 5760283 | 1.91 | cps |
| Indium | 115-2 | 240828 | 238683 | 239336 | 239616 | 0.46 | cps |
| Iron | 56-2 | 3150 | 3289 | 3078 | 3173 | 3.38 | cps |
| Iron | 57-2 | 44 | 83 | 83 | 70 | 31.90 | cps |
| Krypton | 83-1 | 377 | 353 | 360 | 363 | 3.31 | cps |
| Lead | 206-1 | 506 | 456 | 506 | 489 | 5.90 | cps |
| Lead | 207-1 | 494 | 506 | 556 | 519 | 6.28 | cps |
| Lead | 208-1 | 2156 | 2056 | 2150 | 2121 | 2.65 | cps |
| Lithium | 6-1 | 975290 | 930722 | 955859 | 953957 | 2.34 | cps |
| Magnesium | 24-2 | 525 | 517 | 325 | 456 | 24.84 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:00:30 | DataFile Name : | 044CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 23 | 40 | 17 | 27 | 45.07 | cps |
| Molybdenum | 94-1 | 3409 | 3092 | 2742 | 3081 | 10.83 | cps |
| Molybdenum | 95-1 | 3942 | 3517 | 3150 | 3537 | 11.21 | cps |
| Molybdenum | 96-1 | 4126 | 4076 | 3384 | 3862 | 10.74 | cps |
| Molybdenum | 97-1 | 2567 | 2325 | 2109 | 2334 | 9.83 | cps |
| Molybdenum | 98-1 | 6635 | 5468 | 5126 | 5743 | 13.78 | cps |
| Neodymium | 150-1 | 7 | 20 | 0 | 9 | 114.55 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 247 | 273 | 247 | 256 | 6.03 | cps |
| Phosphorus | 31-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Potassium | 39-2 | 2309 | 1975 | 2159 | 2147 | 7.78 | cps |
| Rhodium | 103-1 | 5383425 | 5186823 | 5306504 | 5292250 | 1.87 | cps |
| Rhodium | 103-2 | 1398493 | 1382403 | 1392156 | 1391017 | 0.58 | cps |
| Scandium | 45-1 | 2902860 | 2780153 | 2862943 | 2848652 | 2.20 | cps |
| Scandium | 45-2 | 20218 | 19864 | 20448 | 20177 | 1.46 | cps |
| Selenium | 77-2 | 0 | 0 | 13 | 4 | 173.21 | cps |
| Selenium | 78-2 | 0 | 0 | 2 | 1 | 173.21 | cps |
| Selenium | 82-1 | -40 | -20 | -28 | -29 | -33.84 | cps |
| Silicon | 28-1 | 159210 | 160514 | 159606 | 159776 | 0.42 | cps |
| Silver | 109-1 | 675 | 775 | 658 | 703 | 8.98 | cps |
| Silver | 107-1 | 825 | 775 | 792 | 797 | 3.19 | cps |
| Sodium | 23-2 | 6844 | 6535 | 6543 | 6641 | 2.65 | cps |
| Strontium | 86-1 | 800 | 725 | 525 | 683 | 20.80 | cps |
| Strontium | 88-1 | 942 | 750 | 725 | 806 | 14.72 | cps |
| Sulfur | 34-1 | 289909 | 291662 | 292129 | 291233 | 0.40 | cps |
| Terbium | 159-1 | 8454150 | 8041801 | 8276175 | 8257375 | 2.50 | cps |
| Terbium | 159-2 | 1656918 | 1634359 | 1642410 | 1644562 | 0.70 | cps |
| Thallium | 203-1 | 1292 | 1025 | 950 | 1089 | 16.49 | cps |
| Thallium | 205-1 | 3592 | 2934 | 2617 | 3048 | 16.32 | cps |
| Tin | 118-1 | 3201 | 2625 | 2500 | 2775 | 13.45 | cps |
| Titanium | 47-1 | 317 | 142 | 200 | 219 | 40.61 | cps |
| Uranium | 238-1 | 825 | 667 | 600 | 697 | 16.58 | cps |
| Vanadium | 51-2 | 10 | 3 | 17 | 10 | 66.70 | cps |
| Yttrium | 89-1 | 5726679 | 5445437 | 5608790 | 5593635 | 2.52 | cps |
| Yttrium | 89-2 | 166625 | 163252 | 164811 | 164896 | 1.02 | cps |
| Zinc | 66-2 | 80 | 67 | 50 | 66 | 22.93 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB90 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB90 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:00:30 | DataFile Name : | 044CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 2434 | 2600 | 2309 | 2448 | 5.98 | cps |
| Zirconium | 91-1 | 508 | 617 | 583 | 569 | 9.74 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5356-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380917120-BURK | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:03:53 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 118 | 93 | 118 | 109 | 13.22 | cps |
| Antimony | 121-1 | 5260 | 5685 | 5226 | 5390 | 4.74 | cps |
| Arsenic | 75-1 | 15826 | 16744 | 17754 | 16775 | 5.75 | cps |
| Barium | 135-1 | 556887 | 551397 | 545391 | 551225 | 1.04 | cps |
| Barium | 137-1 | 983872 | 969328 | 965066 | 972756 | 1.01 | cps |
| Beryllium | 9-1 | 211 | 256 | 261 | 243 | 11.30 | cps |
| Bismuth | 209-1 | 6602586 | 6729698 | 6782567 | 6704950 | 1.38 | cps |
| Bismuth | 209-2 | 1547525 | 1540116 | 1539168 | 1542269 | 0.30 | cps |
| Boron | 10-1 | 7677 | 7736 | 7844 | 7752 | 1.09 | cps |
| Boron | 11-1 | 38227 | 38352 | 37751 | 38110 | 0.83 | cps |
| Cadmium | 111-1 | 921 | 963 | 919 | 934 | 2.62 | cps |
| Cadmium | 106-1 | 1158 | 1233 | 1150 | 1181 | 3.89 | cps |
| Cadmium | 108-1 | 21 | 25 | 33 | 26 | 24.12 | cps |
| Calcium | 43-1 | 1132764 | 1111553 | 1104998 | 1116438 | 1.30 | cps |
| Calcium | 44-1 | 18403997 | 18160173 | 18091476 | 18218549 | 0.90 | cps |
| Chromium | 52-2 | 747 | 683 | 740 | 723 | 4.81 | cps |
| Cobalt | 59-2 | 37 | 67 | 47 | 50 | 30.55 | cps |
| Copper | 63-2 | 84951 | 84334 | 83291 | 84192 | 1.00 | cps |
| Dysprosium | 156-1 | 17 | 42 | 17 | 25 | 57.73 | cps |
| Dysprosium | 156-2 | 7 | 3 | 3 | 4 | 43.40 | cps |
| Erbium | 164-1 | 58 | 67 | 33 | 53 | 32.88 | cps |
| Erbium | 164-2 | 13 | 0 | 7 | 7 | 99.98 | cps |
| Gadolinium | 160-1 | 58 | 67 | 92 | 72 | 24.02 | cps |
| Gadolinium | 160-2 | 10 | 17 | 3 | 10 | 66.70 | cps |
| Holmium | 165-1 | 8861604 | 9192063 | 9174131 | 9075933 | 2.05 | cps |
| Holmium | 165-2 | 1853132 | 1841212 | 1812379 | 1835574 | 1.14 | cps |
| Indium | 115-1 | 6218167 | 6380671 | 6284580 | 6294473 | 1.30 | cps |
| Indium | 115-2 | 249867 | 249673 | 244749 | 248096 | 1.17 | cps |
| Iron | 56-2 | 4145 | 3845 | 4090 | 4027 | 3.97 | cps |
| Iron | 57-2 | 72 | 89 | 122 | 94 | 26.96 | cps |
| Krypton | 83-1 | 337 | 240 | 280 | 286 | 17.01 | cps |
| Lead | 206-1 | 4923 | 5023 | 5374 | 5107 | 4.63 | cps |
| Lead | 207-1 | 4406 | 4523 | 4173 | 4368 | 4.08 | cps |
| Lead | 208-1 | 20546 | 19946 | 20490 | 20327 | 1.63 | cps |
| Lithium | 6-1 | 1053864 | 1076200 | 1072093 | 1067386 | 1.11 | cps |
| Magnesium | 24-2 | 595392 | 588813 | 579972 | 588059 | 1.32 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5356-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380917120-BURK | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:03:53 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 120 | 130 | 100 | 117 | 13.09 | cps |
| Molybdenum | 94-1 | 2342 | 2192 | 2117 | 2217 | 5.17 | cps |
| Molybdenum | 95-1 | 1817 | 1892 | 1725 | 1811 | 4.61 | cps |
| Molybdenum | 96-1 | 2375 | 2550 | 2150 | 2359 | 8.50 | cps |
| Molybdenum | 97-1 | 1150 | 1292 | 1125 | 1189 | 7.56 | cps |
| Molybdenum | 98-1 | 2909 | 2884 | 2942 | 2912 | 1.01 | cps |
| Neodymium | 150-1 | 60 | 40 | 47 | 49 | 20.83 | cps |
| Neodymium | 150-2 | 3 | 3 | 3 | 3 | 0.00 | cps |
| Nickel | 60-2 | 563 | 427 | 523 | 504 | 13.93 | cps |
| Phosphorus | 31-2 | 0 | 8 | 8 | 6 | 86.60 | cps |
| Potassium | 39-2 | 24981 | 24372 | 24606 | 24653 | 1.25 | cps |
| Rhodium | 103-1 | 5578766 | 5739006 | 5628524 | 5648765 | 1.45 | cps |
| Rhodium | 103-2 | 1450052 | 1442495 | 1425431 | 1439326 | 0.88 | cps |
| Scandium | 45-1 | 3079332 | 3139791 | 3150914 | 3123346 | 1.23 | cps |
| Scandium | 45-2 | 21156 | 20632 | 20919 | 20902 | 1.26 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 4 | 2 | 4 | 3 | 34.64 | cps |
| Selenium | 82-1 | 16 | 98 | 78 | 64 | 66.38 | cps |
| Silicon | 28-1 | 33585096 | 33240751 | 32929700 | 33251849 | 0.99 | cps |
| Silver | 109-1 | 1008 | 1233 | 1192 | 1145 | 10.46 | cps |
| Silver | 107-1 | 1108 | 1292 | 1300 | 1233 | 8.78 | cps |
| Sodium | 23-2 | 871846 | 856269 | 854853 | 860989 | 1.10 | cps |
| Strontium | 86-1 | 2078608 | 2041099 | 2036676 | 2052128 | 1.12 | cps |
| Strontium | 88-1 | 17676952 | 17494221 | 17294966 | 17488713 | 1.09 | cps |
| Sulfur | 34-1 | 507848 | 504644 | 504746 | 505746 | 0.36 | cps |
| Terbium | 159-1 | 8989674 | 9317210 | 9213039 | 9173308 | 1.82 | cps |
| Terbium | 159-2 | 1777956 | 1752340 | 1742891 | 1757729 | 1.03 | cps |
| Thallium | 203-1 | 1242 | 1208 | 1067 | 1172 | 7.93 | cps |
| Thallium | 205-1 | 3401 | 3051 | 2684 | 3045 | 11.77 | cps |
| Tin | 118-1 | 2559 | 2609 | 2609 | 2592 | 1.11 | cps |
| Titanium | 47-1 | 458 | 467 | 450 | 458 | 1.82 | cps |
| Uranium | 238-1 | 164211 | 160446 | 158379 | 161012 | 1.84 | cps |
| Vanadium | 51-2 | 767 | 800 | 787 | 784 | 2.14 | cps |
| Yttrium | 89-1 | 6106430 | 6219083 | 6263971 | 6196494 | 1.31 | cps |
| Yttrium | 89-2 | 174110 | 170651 | 168242 | 171001 | 1.72 | cps |
| Zinc | 66-2 | 3624 | 3571 | 3551 | 3582 | 1.06 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5356-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380917120-BURK | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:03:53 | DataFile Name : | 045SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 3851 | 3492 | 3100 | 3481 | 10.78 | cps |
| Zirconium | 91-1 | 867 | 850 | 625 | 781 | 17.29 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5358-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926022.0-BEIDELMA | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:07:16 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 120 | 90 | 90 | 100 | 17.32 | cps |
| Antimony | 121-1 | 3617 | 3917 | 4001 | 3845 | 5.24 | cps |
| Arsenic | 75-1 | 17453 | 17554 | 18830 | 17946 | 4.28 | cps |
| Barium | 135-1 | 57560 | 58061 | 57066 | 57562 | 0.86 | cps |
| Barium | 137-1 | 101723 | 102369 | 100699 | 101597 | 0.83 | cps |
| Beryllium | 9-1 | 144 | 156 | 161 | 154 | 5.52 | cps |
| Bismuth | 209-1 | 6795286 | 6730319 | 6715034 | 6746880 | 0.63 | cps |
| Bismuth | 209-2 | 1550060 | 1531864 | 1524909 | 1535611 | 0.85 | cps |
| Boron | 10-1 | 190126 | 193548 | 193893 | 192522 | 1.08 | cps |
| Boron | 11-1 | 944168 | 949551 | 997310 | 963676 | 3.04 | cps |
| Cadmium | 111-1 | 976 | 954 | 898 | 943 | 4.31 | cps |
| Cadmium | 106-1 | 1342 | 1308 | 1242 | 1297 | 3.93 | cps |
| Cadmium | 108-1 | 13 | 17 | 25 | 18 | 35.25 | cps |
| Calcium | 43-1 | 514755 | 515545 | 507359 | 512553 | 0.88 | cps |
| Calcium | 44-1 | 8355751 | 8373144 | 8295062 | 8341319 | 0.49 | cps |
| Chromium | 52-2 | 527 | 520 | 493 | 513 | 3.44 | cps |
| Cobalt | 59-2 | 63 | 70 | 73 | 69 | 7.39 | cps |
| Copper | 63-2 | 2250 | 2094 | 2124 | 2156 | 3.86 | cps |
| Dysprosium | 156-1 | 42 | 67 | 8 | 39 | 75.26 | cps |
| Dysprosium | 156-2 | 3 | 10 | 7 | 7 | 50.03 | cps |
| Erbium | 164-1 | 25 | 42 | 50 | 39 | 32.73 | cps |
| Erbium | 164-2 | 10 | 0 | 7 | 6 | 91.64 | cps |
| Gadolinium | 160-1 | 83 | 58 | 83 | 75 | 19.24 | cps |
| Gadolinium | 160-2 | 10 | 7 | 33 | 17 | 87.16 | cps |
| Holmium | 165-1 | 9184600 | 9118362 | 8971971 | 9091644 | 1.20 | cps |
| Holmium | 165-2 | 1840749 | 1810685 | 1826097 | 1825844 | 0.82 | cps |
| Indium | 115-1 | 6372782 | 6268836 | 6248698 | 6296772 | 1.06 | cps |
| Indium | 115-2 | 247316 | 244579 | 242907 | 244934 | 0.91 | cps |
| Iron | 56-2 | 5407 | 5162 | 5346 | 5305 | 2.40 | cps |
| Iron | 57-2 | 150 | 144 | 156 | 150 | 3.70 | cps |
| Krypton | 83-1 | 293 | 323 | 303 | 307 | 4.98 | cps |
| Lead | 206-1 | 2434 | 2723 | 2573 | 2576 | 5.61 | cps |
| Lead | 207-1 | 2089 | 2200 | 2206 | 2165 | 3.04 | cps |
| Lead | 208-1 | 10146 | 10235 | 10330 | 10237 | 0.90 | cps |
| Lithium | 6-1 | 1088390 | 1054853 | 1076907 | 1073383 | 1.59 | cps |
| Magnesium | 24-2 | 438268 | 433135 | 428612 | 433339 | 1.11 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5358-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926022.0-BEIDELMA | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:07:16 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 21280 | 21016 | 21046 | 21114 | 0.68 | cps |
| Molybdenum | 94-1 | 5701 | 5710 | 5510 | 5640 | 2.01 | cps |
| Molybdenum | 95-1 | 5885 | 5927 | 6377 | 6063 | 4.50 | cps |
| Molybdenum | 96-1 | 6752 | 7110 | 6927 | 6930 | 2.59 | cps |
| Molybdenum | 97-1 | 3717 | 3742 | 3684 | 3715 | 0.79 | cps |
| Molybdenum | 98-1 | 9887 | 10062 | 9921 | 9957 | 0.93 | cps |
| Neodymium | 150-1 | 27 | 33 | 40 | 33 | 20.00 | cps |
| Neodymium | 150-2 | 3 | 3 | 0 | 2 | 86.60 | cps |
| Nickel | 60-2 | 310 | 307 | 353 | 323 | 8.05 | cps |
| Phosphorus | 31-2 | 17 | 0 | 0 | 6 | 173.21 | cps |
| Potassium | 39-2 | 10429 | 10212 | 9795 | 10146 | 3.18 | cps |
| Rhodium | 103-1 | 5751575 | 5696887 | 5607356 | 5685272 | 1.28 | cps |
| Rhodium | 103-2 | 1431836 | 1421039 | 1419805 | 1424227 | 0.46 | cps |
| Scandium | 45-1 | 3056013 | 3093282 | 3066838 | 3072045 | 0.62 | cps |
| Scandium | 45-2 | 21049 | 20408 | 20128 | 20529 | 2.30 | cps |
| Selenium | 77-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Selenium | 78-2 | 4 | 2 | 2 | 2 | 43.30 | cps |
| Selenium | 82-1 | 24 | -6 | 9 | 9 | 167.22 | cps |
| Silicon | 28-1 | 39144690 | 38811752 | 38893196 | 38949879 | 0.45 | cps |
| Silver | 109-1 | 908 | 1125 | 1158 | 1064 | 12.76 | cps |
| Silver | 107-1 | 958 | 1167 | 1042 | 1056 | 9.93 | cps |
| Sodium | 23-2 | 2063913 | 2048875 | 2069283 | 2060690 | 0.51 | cps |
| Strontium | 86-1 | 6979767 | 6918469 | 6880280 | 6926172 | 0.72 | cps |
| Strontium | 88-1 | 60488276 | 59938101 | 59929381 | 60118586 | 0.53 | cps |
| Sulfur | 34-1 | 588406 | 585921 | 583155 | 585827 | 0.45 | cps |
| Terbium | 159-1 | 9333091 | 9225593 | 9185902 | 9248195 | 0.82 | cps |
| Terbium | 159-2 | 1767781 | 1754250 | 1718843 | 1746958 | 1.45 | cps |
| Thallium | 203-1 | 367 | 367 | 458 | 397 | 13.32 | cps |
| Thallium | 205-1 | 775 | 983 | 892 | 883 | 11.82 | cps |
| Tin | 118-1 | 1817 | 1884 | 1825 | 1842 | 1.97 | cps |
| Titanium | 47-1 | 425 | 458 | 508 | 464 | 9.04 | cps |
| Uranium | 238-1 | 70827 | 70199 | 69268 | 70098 | 1.12 | cps |
| Vanadium | 51-2 | 33 | 27 | 23 | 28 | 18.33 | cps |
| Yttrium | 89-1 | 6229477 | 6122372 | 6063740 | 6138530 | 1.37 | cps |
| Yttrium | 89-2 | 170611 | 167519 | 167546 | 168559 | 1.05 | cps |
| Zinc | 66-2 | 1507 | 1600 | 1450 | 1519 | 4.99 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5358-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380926022.0-BEIDELMA | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:07:16 | DataFile Name : | 046SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 5952 | 5326 | 5168 | 5482 | 7.56 | cps |
| Zirconium | 91-1 | 1358 | 1025 | 1092 | 1158 | 15.23 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:10:37 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 83 | 60 | 105 | 83 | 27.27 | cps |
| Antimony | 121-1 | 3367 | 3867 | 3642 | 3626 | 6.91 | cps |
| Arsenic | 75-1 | 20508 | 22286 | 22561 | 21785 | 5.12 | cps |
| Barium | 135-1 | 349477 | 346560 | 347142 | 347726 | 0.44 | cps |
| Barium | 137-1 | 616904 | 614533 | 612370 | 614603 | 0.37 | cps |
| Beryllium | 9-1 | 183 | 122 | 150 | 152 | 20.15 | cps |
| Bismuth | 209-1 | 6897123 | 6794654 | 6810114 | 6833964 | 0.81 | cps |
| Bismuth | 209-2 | 1563168 | 1541693 | 1551442 | 1552101 | 0.69 | cps |
| Boron | 10-1 | 10846 | 10638 | 9395 | 10293 | 7.62 | cps |
| Boron | 11-1 | 52321 | 49536 | 46652 | 49503 | 5.73 | cps |
| Cadmium | 111-1 | 947 | 775 | 932 | 885 | 10.72 | cps |
| Cadmium | 106-1 | 1292 | 1108 | 1300 | 1233 | 8.78 | cps |
| Cadmium | 108-1 | 17 | 54 | 17 | 29 | 74.22 | cps |
| Calcium | 43-1 | 431621 | 427795 | 424896 | 428104 | 0.79 | cps |
| Calcium | 44-1 | 7089259 | 7108634 | 6988179 | 7062024 | 0.92 | cps |
| Chromium | 52-2 | 800 | 773 | 760 | 778 | 2.62 | cps |
| Cobalt | 59-2 | 43 | 67 | 70 | 60 | 24.22 | cps |
| Copper | 63-2 | 81876 | 80330 | 81112 | 81106 | 0.95 | cps |
| Dysprosium | 156-1 | 17 | 8 | 17 | 14 | 34.67 | cps |
| Dysprosium | 156-2 | 0 | 7 | 0 | 2 | 173.21 | cps |
| Erbium | 164-1 | 25 | 33 | 25 | 28 | 17.31 | cps |
| Erbium | 164-2 | 3 | 10 | 7 | 7 | 50.03 | cps |
| Gadolinium | 160-1 | 67 | 8 | 75 | 50 | 72.65 | cps |
| Gadolinium | 160-2 | 17 | 13 | 10 | 13 | 25.01 | cps |
| Holmium | 165-1 | 9111517 | 8930174 | 8853198 | 8964963 | 1.48 | cps |
| Holmium | 165-2 | 1813336 | 1813867 | 1794040 | 1807081 | 0.63 | cps |
| Indium | 115-1 | 6307609 | 6242610 | 6168450 | 6239556 | 1.12 | cps |
| Indium | 115-2 | 243739 | 240491 | 243947 | 242726 | 0.80 | cps |
| Iron | 56-2 | 11894 | 11488 | 11800 | 11728 | 1.81 | cps |
| Iron | 57-2 | 261 | 317 | 400 | 326 | 21.45 | cps |
| Krypton | 83-1 | 317 | 380 | 300 | 332 | 12.70 | cps |
| Lead | 206-1 | 7686 | 7552 | 7552 | 7597 | 1.01 | cps |
| Lead | 207-1 | 6480 | 6363 | 6708 | 6517 | 2.69 | cps |
| Lead | 208-1 | 30510 | 30465 | 30282 | 30419 | 0.40 | cps |
| Lithium | 6-1 | 1073118 | 1059874 | 1048185 | 1060392 | 1.18 | cps |
| Magnesium | 24-2 | 205126 | 206434 | 204126 | 205229 | 0.56 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:10:37 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 190 | 217 | 240 | 216 | 11.61 | cps |
| Molybdenum | 94-1 | 650 | 575 | 708 | 644 | 10.37 | cps |
| Molybdenum | 95-1 | 508 | 408 | 383 | 433 | 15.26 | cps |
| Molybdenum | 96-1 | 500 | 475 | 542 | 506 | 6.66 | cps |
| Molybdenum | 97-1 | 383 | 242 | 342 | 322 | 22.60 | cps |
| Molybdenum | 98-1 | 667 | 683 | 933 | 761 | 19.63 | cps |
| Neodymium | 150-1 | 27 | 7 | 47 | 27 | 74.99 | cps |
| Neodymium | 150-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Nickel | 60-2 | 510 | 483 | 500 | 498 | 2.71 | cps |
| Phosphorus | 31-2 | 42 | 58 | 50 | 50 | 16.67 | cps |
| Potassium | 39-2 | 15225 | 14408 | 14191 | 14608 | 3.73 | cps |
| Rhodium | 103-1 | 5723657 | 5632627 | 5607366 | 5654550 | 1.08 | cps |
| Rhodium | 103-2 | 1434522 | 1414509 | 1421628 | 1423553 | 0.71 | cps |
| Scandium | 45-1 | 3076590 | 3044797 | 3000835 | 3040740 | 1.25 | cps |
| Scandium | 45-2 | 19878 | 20512 | 20398 | 20263 | 1.67 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 2 | 4 | 2 | 2 | 43.30 | cps |
| Selenium | 82-1 | 4 | -49 | 5 | -13 | -233.38 | cps |
| Silicon | 28-1 | 46963952 | 46477439 | 45892521 | 46444637 | 1.16 | cps |
| Silver | 109-1 | 792 | 650 | 1058 | 833 | 24.88 | cps |
| Silver | 107-1 | 967 | 867 | 933 | 922 | 5.52 | cps |
| Sodium | 23-2 | 678579 | 668644 | 669961 | 672395 | 0.80 | cps |
| Strontium | 86-1 | 117729 | 115603 | 114417 | 115917 | 1.45 | cps |
| Strontium | 88-1 | 1021141 | 1007573 | 1001441 | 1010052 | 1.00 | cps |
| Sulfur | 34-1 | 346420 | 348487 | 349179 | 348029 | 0.41 | cps |
| Terbium | 159-1 | 9259051 | 9116701 | 8993462 | 9123071 | 1.46 | cps |
| Terbium | 159-2 | 1725670 | 1717078 | 1751307 | 1731352 | 1.03 | cps |
| Thallium | 203-1 | 317 | 342 | 400 | 353 | 12.12 | cps |
| Thallium | 205-1 | 708 | 742 | 775 | 742 | 4.49 | cps |
| Tin | 118-1 | 4801 | 4926 | 4959 | 4896 | 1.71 | cps |
| Titanium | 47-1 | 567 | 708 | 617 | 631 | 11.39 | cps |
| Uranium | 238-1 | 1867 | 1775 | 1917 | 1853 | 3.88 | cps |
| Vanadium | 51-2 | 633 | 567 | 627 | 609 | 6.03 | cps |
| Yttrium | 89-1 | 6156797 | 5970761 | 6006515 | 6044691 | 1.63 | cps |
| Yttrium | 89-2 | 167122 | 165309 | 165397 | 165943 | 0.62 | cps |
| Zinc | 66-2 | 6675 | 6685 | 6608 | 6656 | 0.63 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:10:37 | DataFile Name : | 047SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1233 | 1000 | 1183 | 1139 | 10.79 | cps |
| Zirconium | 91-1 | 192 | 217 | 292 | 233 | 22.30 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01DUP | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:14:00 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 80 | 73 | 105 | 86 | 19.83 | cps |
| Antimony | 121-1 | 3017 | 3567 | 3059 | 3214 | 9.53 | cps |
| Arsenic | 75-1 | 24239 | 24256 | 25299 | 24598 | 2.47 | cps |
| Barium | 135-1 | 354062 | 347013 | 345348 | 348808 | 1.33 | cps |
| Barium | 137-1 | 615186 | 612369 | 611654 | 613070 | 0.30 | cps |
| Beryllium | 9-1 | 156 | 128 | 128 | 137 | 11.70 | cps |
| Bismuth | 209-1 | 6944722 | 6808732 | 6801048 | 6851501 | 1.18 | cps |
| Bismuth | 209-2 | 1561383 | 1539679 | 1456712 | 1519258 | 3.64 | cps |
| Boron | 10-1 | 5735 | 6052 | 5885 | 5890 | 2.69 | cps |
| Boron | 11-1 | 28864 | 28713 | 28036 | 28538 | 1.54 | cps |
| Cadmium | 111-1 | 849 | 865 | 791 | 835 | 4.63 | cps |
| Cadmium | 106-1 | 1200 | 1192 | 1050 | 1147 | 7.35 | cps |
| Cadmium | 108-1 | 17 | 4 | 21 | 14 | 62.43 | cps |
| Calcium | 43-1 | 426884 | 423347 | 420193 | 423474 | 0.79 | cps |
| Calcium | 44-1 | 7068260 | 6919251 | 6970556 | 6986022 | 1.08 | cps |
| Chromium | 52-2 | 837 | 827 | 753 | 806 | 5.65 | cps |
| Cobalt | 59-2 | 50 | 73 | 53 | 59 | 21.43 | cps |
| Copper | 63-2 | 81188 | 81051 | 80877 | 81039 | 0.19 | cps |
| Dysprosium | 156-1 | 50 | 33 | 8 | 31 | 68.64 | cps |
| Dysprosium | 156-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Erbium | 164-1 | 42 | 33 | 33 | 36 | 13.33 | cps |
| Erbium | 164-2 | 10 | 10 | 3 | 8 | 49.52 | cps |
| Gadolinium | 160-1 | 33 | 58 | 75 | 56 | 37.75 | cps |
| Gadolinium | 160-2 | 7 | 10 | 13 | 10 | 33.30 | cps |
| Holmium | 165-1 | 9063006 | 9048459 | 8995814 | 9035759 | 0.39 | cps |
| Holmium | 165-2 | 1800001 | 1802130 | 1699834 | 1767322 | 3.31 | cps |
| Indium | 115-1 | 6223210 | 6243967 | 6207894 | 6225024 | 0.29 | cps |
| Indium | 115-2 | 244436 | 241439 | 229282 | 238386 | 3.37 | cps |
| Iron | 56-2 | 11483 | 11716 | 11766 | 11655 | 1.30 | cps |
| Iron | 57-2 | 256 | 289 | 350 | 298 | 16.07 | cps |
| Krypton | 83-1 | 347 | 303 | 283 | 311 | 10.41 | cps |
| Lead | 206-1 | 7630 | 8064 | 7347 | 7680 | 4.70 | cps |
| Lead | 207-1 | 6530 | 6546 | 6646 | 6574 | 0.96 | cps |
| Lead | 208-1 | 30159 | 31349 | 30482 | 30664 | 2.01 | cps |
| Lithium | 6-1 | 1067607 | 1065679 | 1059293 | 1064193 | 0.41 | cps |
| Magnesium | 24-2 | 203824 | 200155 | 202777 | 202252 | 0.93 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01DUP | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:14:00 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 223 | 230 | 187 | 213 | 10.94 | cps |
| Molybdenum | 94-1 | 633 | 533 | 567 | 578 | 8.81 | cps |
| Molybdenum | 95-1 | 358 | 383 | 408 | 383 | 6.52 | cps |
| Molybdenum | 96-1 | 483 | 558 | 583 | 542 | 9.61 | cps |
| Molybdenum | 97-1 | 283 | 208 | 267 | 253 | 15.58 | cps |
| Molybdenum | 98-1 | 542 | 467 | 592 | 533 | 11.80 | cps |
| Neodymium | 150-1 | 33 | 0 | 20 | 18 | 94.38 | cps |
| Neodymium | 150-2 | 0 | 0 | 3 | 1 | 173.21 | cps |
| Nickel | 60-2 | 550 | 607 | 630 | 596 | 6.91 | cps |
| Phosphorus | 31-2 | 100 | 58 | 75 | 78 | 26.96 | cps |
| Potassium | 39-2 | 13957 | 14525 | 14016 | 14166 | 2.20 | cps |
| Rhodium | 103-1 | 5672866 | 5629475 | 5696008 | 5666116 | 0.60 | cps |
| Rhodium | 103-2 | 1429199 | 1410567 | 1342990 | 1394252 | 3.25 | cps |
| Scandium | 45-1 | 3065424 | 2986484 | 3018745 | 3023551 | 1.31 | cps |
| Scandium | 45-2 | 20078 | 20044 | 19070 | 19731 | 2.90 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 6 | 0 | 0 | 2 | 173.21 | cps |
| Selenium | 82-1 | -45 | 5 | 41 | 0 | 10722.89 | cps |
| Silicon | 28-1 | 46331242 | 45642215 | 45433475 | 45802310 | 1.03 | cps |
| Silver | 109-1 | 758 | 667 | 742 | 722 | 6.76 | cps |
| Silver | 107-1 | 817 | 817 | 725 | 786 | 6.73 | cps |
| Sodium | 23-2 | 667153 | 661687 | 660595 | 663145 | 0.53 | cps |
| Strontium | 86-1 | 116394 | 113763 | 114721 | 114959 | 1.16 | cps |
| Strontium | 88-1 | 1011964 | 1002942 | 1000277 | 1005061 | 0.61 | cps |
| Sulfur | 34-1 | 342956 | 340439 | 339518 | 340971 | 0.52 | cps |
| Terbium | 159-1 | 9275318 | 9142486 | 9177843 | 9198549 | 0.75 | cps |
| Terbium | 159-2 | 1742389 | 1738143 | 1631690 | 1704074 | 3.68 | cps |
| Thallium | 203-1 | 283 | 225 | 275 | 261 | 12.08 | cps |
| Thallium | 205-1 | 475 | 383 | 458 | 439 | 11.13 | cps |
| Tin | 118-1 | 4934 | 4801 | 5243 | 4993 | 4.54 | cps |
| Titanium | 47-1 | 667 | 642 | 675 | 661 | 2.62 | cps |
| Uranium | 238-1 | 1959 | 1692 | 1725 | 1792 | 8.11 | cps |
| Vanadium | 51-2 | 590 | 543 | 663 | 599 | 10.10 | cps |
| Yttrium | 89-1 | 6143658 | 6087801 | 6012347 | 6081269 | 1.08 | cps |
| Yttrium | 89-2 | 166375 | 165671 | 155626 | 162557 | 3.70 | cps |
| Zinc | 66-2 | 6818 | 6422 | 6912 | 6717 | 3.88 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01DUP | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:14:00 | DataFile Name : | 048SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 1258 | 958 | 967 | 1061 | 16.10 | cps |
| Zirconium | 91-1 | 283 | 208 | 283 | 258 | 16.76 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01LX5 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2018-10-10 15:28:52 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 25 | 30 | 38 | 31 | 20.40 | cps |
| Antimony | 121-1 | 867 | 1042 | 1000 | 970 | 9.43 | cps |
| Arsenic | 75-1 | 3334 | 4151 | 4426 | 3970 | 14.31 | cps |
| Barium | 135-1 | 70128 | 69542 | 68997 | 69556 | 0.81 | cps |
| Barium | 137-1 | 122858 | 122866 | 120259 | 121994 | 1.23 | cps |
| Beryllium | 9-1 | 89 | 117 | 139 | 115 | 21.82 | cps |
| Bismuth | 209-1 | 6243749 | 6282622 | 6298211 | 6274861 | 0.45 | cps |
| Bismuth | 209-2 | 1464570 | 1446996 | 1457089 | 1456218 | 0.61 | cps |
| Boron | 10-1 | 1634 | 1508 | 1634 | 1592 | 4.53 | cps |
| Boron | 11-1 | 8319 | 8503 | 8253 | 8358 | 1.55 | cps |
| Cadmium | 111-1 | 776 | 779 | 662 | 739 | 9.02 | cps |
| Cadmium | 106-1 | 1117 | 1092 | 967 | 1058 | 7.59 | cps |
| Cadmium | 108-1 | 8 | 8 | 21 | 12 | 57.75 | cps |
| Calcium | 43-1 | 88068 | 84823 | 85376 | 86089 | 2.02 | cps |
| Calcium | 44-1 | 1469049 | 1444692 | 1438080 | 1450607 | 1.12 | cps |
| Chromium | 52-2 | 530 | 523 | 490 | 514 | 4.17 | cps |
| Cobalt | 59-2 | 37 | 30 | 30 | 32 | 11.95 | cps |
| Copper | 63-2 | 16630 | 16463 | 16567 | 16553 | 0.51 | cps |
| Dysprosium | 156-1 | 8 | 17 | 0 | 8 | 100.02 | cps |
| Dysprosium | 156-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Erbium | 164-1 | 25 | 17 | 25 | 22 | 21.64 | cps |
| Erbium | 164-2 | 13 | 0 | 7 | 7 | 99.98 | cps |
| Gadolinium | 160-1 | 25 | 67 | 42 | 44 | 47.19 | cps |
| Gadolinium | 160-2 | 3 | 0 | 7 | 3 | 100.05 | cps |
| Holmium | 165-1 | 8395266 | 8383593 | 8312508 | 8363789 | 0.54 | cps |
| Holmium | 165-2 | 1734204 | 1717028 | 1696887 | 1716040 | 1.09 | cps |
| Indium | 115-1 | 5856626 | 5866503 | 5819412 | 5847514 | 0.42 | cps |
| Indium | 115-2 | 235685 | 233761 | 235703 | 235050 | 0.47 | cps |
| Iron | 56-2 | 3228 | 3417 | 3045 | 3230 | 5.76 | cps |
| Iron | 57-2 | 89 | 78 | 128 | 98 | 26.75 | cps |
| Krypton | 83-1 | 360 | 300 | 327 | 329 | 9.14 | cps |
| Lead | 206-1 | 2067 | 1895 | 1661 | 1874 | 10.86 | cps |
| Lead | 207-1 | 1739 | 1934 | 1622 | 1765 | 8.91 | cps |
| Lead | 208-1 | 8151 | 7879 | 7123 | 7718 | 6.90 | cps |
| Lithium | 6-1 | 959690 | 949018 | 962539 | 957082 | 0.74 | cps |
| Magnesium | 24-2 | 41796 | 41077 | 41754 | 41542 | 0.97 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01LX5 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2018-10-10 15:28:52 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 70 | 90 | 70 | 77 | 15.06 | cps |
| Molybdenum | 94-1 | 458 | 350 | 408 | 406 | 13.37 | cps |
| Molybdenum | 95-1 | 208 | 175 | 150 | 178 | 16.46 | cps |
| Molybdenum | 96-1 | 342 | 283 | 233 | 286 | 18.95 | cps |
| Molybdenum | 97-1 | 125 | 100 | 133 | 119 | 14.52 | cps |
| Molybdenum | 98-1 | 242 | 292 | 217 | 250 | 15.28 | cps |
| Neodymium | 150-1 | 7 | 0 | 0 | 2 | 173.21 | cps |
| Neodymium | 150-2 | 0 | 3 | 0 | 1 | 173.21 | cps |
| Nickel | 60-2 | 320 | 313 | 290 | 308 | 5.12 | cps |
| Phosphorus | 31-2 | 0 | 8 | 0 | 3 | 173.21 | cps |
| Potassium | 39-2 | 4584 | 4176 | 4334 | 4365 | 4.72 | cps |
| Rhodium | 103-1 | 5363807 | 5353915 | 5324499 | 5347407 | 0.38 | cps |
| Rhodium | 103-2 | 1372644 | 1349582 | 1355388 | 1359205 | 0.88 | cps |
| Scandium | 45-1 | 2906803 | 2923087 | 2882079 | 2903990 | 0.71 | cps |
| Scandium | 45-2 | 19664 | 19377 | 19490 | 19510 | 0.74 | cps |
| Selenium | 77-2 | 3 | 0 | 0 | 1 | 173.21 | cps |
| Selenium | 78-2 | 2 | 4 | 2 | 2 | 43.30 | cps |
| Selenium | 82-1 | -18 | 41 | -7 | 5 | 593.20 | cps |
| Silicon | 28-1 | 9457463 | 9450478 | 9367246 | 9425062 | 0.53 | cps |
| Silver | 109-1 | 300 | 275 | 317 | 297 | 7.06 | cps |
| Silver | 107-1 | 325 | 333 | 433 | 364 | 16.57 | cps |
| Sodium | 23-2 | 139318 | 140477 | 137482 | 139093 | 1.09 | cps |
| Strontium | 86-1 | 23688 | 23554 | 22887 | 23376 | 1.84 | cps |
| Strontium | 88-1 | 199842 | 199658 | 198270 | 199257 | 0.43 | cps |
| Sulfur | 34-1 | 302890 | 301394 | 298016 | 300766 | 0.83 | cps |
| Terbium | 159-1 | 8514616 | 8522009 | 8461618 | 8499415 | 0.39 | cps |
| Terbium | 159-2 | 1660021 | 1647676 | 1642033 | 1649910 | 0.56 | cps |
| Thallium | 203-1 | 225 | 333 | 192 | 250 | 29.63 | cps |
| Thallium | 205-1 | 608 | 475 | 433 | 506 | 18.08 | cps |
| Tin | 118-1 | 1609 | 2075 | 1467 | 1717 | 18.54 | cps |
| Titanium | 47-1 | 142 | 225 | 183 | 183 | 22.73 | cps |
| Uranium | 238-1 | 275 | 383 | 333 | 331 | 16.40 | cps |
| Vanadium | 51-2 | 120 | 123 | 123 | 122 | 1.58 | cps |
| Yttrium | 89-1 | 5724686 | 5719098 | 5716100 | 5719961 | 0.08 | cps |
| Yttrium | 89-2 | 162643 | 157949 | 158311 | 159634 | 1.64 | cps |
| Zinc | 66-2 | 1370 | 1360 | 1310 | 1347 | 2.39 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01LX5 | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 5 |
| Date & Time Acquired :: | 2018-10-10 15:28:52 | DataFile Name : | 049SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 833 | 833 | 742 | 803 | 6.59 | cps |
| Zirconium | 91-1 | 158 | 117 | 217 | 164 | 30.65 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MS | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:32:15 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10266 | 10286 | 10241 | 10265 | 0.22 | cps |
| Antimony | 121-1 | 8321124 | 8300229 | 8164674 | 8262009 | 1.03 | cps |
| Arsenic | 75-1 | 2002839 | 1926313 | 1942872 | 1957341 | 2.06 | cps |
| Barium | 135-1 | 822751 | 822316 | 818164 | 821077 | 0.31 | cps |
| Barium | 137-1 | 1465995 | 1449989 | 1446923 | 1454303 | 0.70 | cps |
| Beryllium | 9-1 | 235979 | 231974 | 232465 | 233473 | 0.94 | cps |
| Bismuth | 209-1 | 6686293 | 6707538 | 6691657 | 6695163 | 0.17 | cps |
| Bismuth | 209-2 | 1529721 | 1411025 | 1487457 | 1476068 | 4.08 | cps |
| Boron | 10-1 | 42054 | 42673 | 43433 | 42720 | 1.62 | cps |
| Boron | 11-1 | 207117 | 211547 | 212671 | 210445 | 1.40 | cps |
| Cadmium | 111-1 | 487666 | 488791 | 479050 | 485169 | 1.10 | cps |
| Cadmium | 106-1 | 43856 | 45319 | 44282 | 44486 | 1.69 | cps |
| Cadmium | 108-1 | 31838 | 31558 | 31688 | 31694 | 0.44 | cps |
| Calcium | 43-1 | 442906 | 439593 | 437832 | 440110 | 0.59 | cps |
| Calcium | 44-1 | 7305452 | 7163750 | 7129154 | 7199452 | 1.30 | cps |
| Chromium | 52-2 | 279850 | 281014 | 278497 | 279787 | 0.45 | cps |
| Cobalt | 59-2 | 325728 | 324120 | 322283 | 324044 | 0.53 | cps |
| Copper | 63-2 | 520725 | 516778 | 517782 | 518428 | 0.40 | cps |
| Dysprosium | 156-1 | 461359 | 457683 | 451355 | 456799 | 1.11 | cps |
| Dysprosium | 156-2 | 8580 | 8640 | 8546 | 8589 | 0.55 | cps |
| Erbium | 164-1 | 108 | 75 | 67 | 83 | 26.46 | cps |
| Erbium | 164-2 | 17 | 20 | 7 | 14 | 48.02 | cps |
| Gadolinium | 160-1 | 192 | 175 | 183 | 183 | 4.55 | cps |
| Gadolinium | 160-2 | 10 | 17 | 10 | 12 | 31.50 | cps |
| Holmium | 165-1 | 8931877 | 8771470 | 8723859 | 8809068 | 1.24 | cps |
| Holmium | 165-2 | 1800726 | 1640967 | 1711470 | 1717721 | 4.66 | cps |
| Indium | 115-1 | 5981013 | 5945422 | 5888349 | 5938261 | 0.79 | cps |
| Indium | 115-2 | 227065 | 209614 | 222865 | 219848 | 4.14 | cps |
| Iron | 56-2 | 1568095 | 1555657 | 1533763 | 1552505 | 1.12 | cps |
| Iron | 57-2 | 37662 | 38504 | 37373 | 37846 | 1.55 | cps |
| Krypton | 83-1 | 227 | 320 | 293 | 280 | 17.17 | cps |
| Lead | 206-1 | 9051944 | 9043912 | 8973556 | 9023137 | 0.48 | cps |
| Lead | 207-1 | 8159778 | 8117169 | 8121276 | 8132741 | 0.29 | cps |
| Lead | 208-1 | 37107810 | 36996032 | 36922891 | 37008911 | 0.25 | cps |
| Lithium | 6-1 | 1033827 | 997735 | 999022 | 1010195 | 2.03 | cps |
| Magnesium | 24-2 | 247621 | 246088 | 247417 | 247042 | 0.34 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MS | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:32:15 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 40870 | 40429 | 40673 | 40657 | 0.54 | cps |
| Molybdenum | 94-1 | 956877 | 947659 | 934781 | 946439 | 1.17 | cps |
| Molybdenum | 95-1 | 1724820 | 1698705 | 1695823 | 1706450 | 0.94 | cps |
| Molybdenum | 96-1 | 1849724 | 1838840 | 1804599 | 1831054 | 1.29 | cps |
| Molybdenum | 97-1 | 1046080 | 1049144 | 1033569 | 1042931 | 0.79 | cps |
| Molybdenum | 98-1 | 2787127 | 2778110 | 2718684 | 2761307 | 1.35 | cps |
| Neodymium | 150-1 | 73 | 93 | 53 | 73 | 27.27 | cps |
| Neodymium | 150-2 | 10 | 0 | 10 | 7 | 86.60 | cps |
| Nickel | 60-2 | 240789 | 240226 | 239022 | 240012 | 0.38 | cps |
| Phosphorus | 31-2 | 1950 | 1984 | 2100 | 2011 | 3.92 | cps |
| Potassium | 39-2 | 137590 | 137162 | 136481 | 137078 | 0.41 | cps |
| Rhodium | 103-1 | 5461514 | 5439333 | 5374360 | 5425069 | 0.83 | cps |
| Rhodium | 103-2 | 1372089 | 1269646 | 1350276 | 1330670 | 4.06 | cps |
| Scandium | 45-1 | 2948492 | 2914391 | 2886193 | 2916359 | 1.07 | cps |
| Scandium | 45-2 | 19487 | 17645 | 18783 | 18638 | 4.99 | cps |
| Selenium | 77-2 | 1440 | 1323 | 1373 | 1379 | 4.25 | cps |
| Selenium | 78-2 | 4575 | 4530 | 4554 | 4553 | 0.49 | cps |
| Selenium | 82-1 | 275737 | 274756 | 272125 | 274206 | 0.68 | cps |
| Silicon | 28-1 | 48457809 | 47842882 | 47310151 | 47870281 | 1.20 | cps |
| Silver | 109-1 | 815509 | 815707 | 807208 | 812808 | 0.60 | cps |
| Silver | 107-1 | 853383 | 853063 | 844035 | 850161 | 0.62 | cps |
| Sodium | 23-2 | 815980 | 812740 | 805855 | 811525 | 0.64 | cps |
| Strontium | 86-1 | 629859 | 623218 | 616159 | 623079 | 1.10 | cps |
| Strontium | 88-1 | 5575676 | 5470932 | 5419041 | 5488550 | 1.45 | cps |
| Sulfur | 34-1 | 337127 | 335119 | 333770 | 335339 | 0.50 | cps |
| Terbium | 159-1 | 8974555 | 8887971 | 8890428 | 8917651 | 0.55 | cps |
| Terbium | 159-2 | 1695422 | 1536544 | 1659768 | 1630578 | 5.11 | cps |
| Thallium | 203-1 | 22021555 | 22076467 | 21828104 | 21975375 | 0.59 | cps |
| Thallium | 205-1 | 53527253 | 52819179 | 52453886 | 52933439 | 1.03 | cps |
| Tin | 118-1 | 5313740 | 5261442 | 5215430 | 5263537 | 0.93 | cps |
| Titanium | 47-1 | 190335 | 187530 | 187412 | 188426 | 0.88 | cps |
| Uranium | 238-1 | 1742 | 1875 | 1725 | 1781 | 4.62 | cps |
| Vanadium | 51-2 | 156567 | 154905 | 154406 | 155293 | 0.73 | cps |
| Yttrium | 89-1 | 5877323 | 5865952 | 5820977 | 5854751 | 0.51 | cps |
| Yttrium | 89-2 | 160025 | 148776 | 156356 | 155052 | 3.70 | cps |
| Zinc | 66-2 | 33507 | 33501 | 33374 | 33461 | 0.22 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MS | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:32:15 | DataFile Name : | 050SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 15142 | 11430 | 9570 | 12048 | 23.55 | cps |
| Zirconium | 91-1 | 4026 | 3134 | 2775 | 3312 | 19.44 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MSD | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:35:33 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10056 | 9949 | 9846 | 9950 | 1.06 | cps |
| Antimony | 121-1 | 8068868 | 8047547 | 7933206 | 8016540 | 0.91 | cps |
| Arsenic | 75-1 | 1918469 | 1913226 | 1906084 | 1912593 | 0.33 | cps |
| Barium | 135-1 | 809978 | 809767 | 799057 | 806267 | 0.77 | cps |
| Barium | 137-1 | 1436348 | 1436381 | 1420516 | 1431082 | 0.64 | cps |
| Beryllium | 9-1 | 227007 | 226907 | 224328 | 226081 | 0.67 | cps |
| Bismuth | 209-1 | 6731666 | 6620752 | 6567309 | 6639909 | 1.26 | cps |
| Bismuth | 209-2 | 1520328 | 1507972 | 1508764 | 1512355 | 0.46 | cps |
| Boron | 10-1 | 42564 | 43400 | 42531 | 42832 | 1.15 | cps |
| Boron | 11-1 | 207216 | 210150 | 211595 | 209654 | 1.06 | cps |
| Cadmium | 111-1 | 478849 | 479007 | 470180 | 476012 | 1.06 | cps |
| Cadmium | 106-1 | 43279 | 42844 | 42627 | 42917 | 0.77 | cps |
| Cadmium | 108-1 | 31241 | 31015 | 30881 | 31046 | 0.58 | cps |
| Calcium | 43-1 | 428312 | 426622 | 424267 | 426401 | 0.48 | cps |
| Calcium | 44-1 | 7029621 | 6932114 | 6850887 | 6937541 | 1.29 | cps |
| Chromium | 52-2 | 276996 | 273022 | 272088 | 274035 | 0.95 | cps |
| Cobalt | 59-2 | 319407 | 314274 | 313797 | 315826 | 0.98 | cps |
| Copper | 63-2 | 510568 | 503289 | 502670 | 505509 | 0.87 | cps |
| Dysprosium | 156-1 | 449424 | 448461 | 446783 | 448223 | 0.30 | cps |
| Dysprosium | 156-2 | 8703 | 8426 | 8099 | 8410 | 3.59 | cps |
| Erbium | 164-1 | 75 | 83 | 92 | 83 | 10.00 | cps |
| Erbium | 164-2 | 10 | 3 | 27 | 13 | 90.16 | cps |
| Gadolinium | 160-1 | 167 | 192 | 133 | 164 | 17.86 | cps |
| Gadolinium | 160-2 | 7 | 33 | 17 | 19 | 71.30 | cps |
| Holmium | 165-1 | 8722296 | 8732797 | 8686563 | 8713885 | 0.28 | cps |
| Holmium | 165-2 | 1763457 | 1744304 | 1755194 | 1754318 | 0.55 | cps |
| Indium | 115-1 | 5876642 | 5905278 | 5800123 | 5860681 | 0.93 | cps |
| Indium | 115-2 | 227585 | 228711 | 222912 | 226403 | 1.36 | cps |
| Iron | 56-2 | 1500949 | 1501205 | 1479078 | 1493744 | 0.85 | cps |
| Iron | 57-2 | 38520 | 36565 | 36671 | 37252 | 2.95 | cps |
| Krypton | 83-1 | 347 | 297 | 290 | 311 | 9.96 | cps |
| Lead | 206-1 | 8999961 | 8919128 | 8825821 | 8914970 | 0.98 | cps |
| Lead | 207-1 | 8033633 | 7965270 | 8026162 | 8008355 | 0.47 | cps |
| Lead | 208-1 | 36653046 | 36313466 | 36183229 | 36383247 | 0.67 | cps |
| Lithium | 6-1 | 1005327 | 994230 | 1000971 | 1000176 | 0.56 | cps |
| Magnesium | 24-2 | 242993 | 239892 | 235773 | 239553 | 1.51 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MSD | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:35:33 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 39569 | 39767 | 39295 | 39544 | 0.60 | cps |
| Molybdenum | 94-1 | 929051 | 929559 | 926530 | 928380 | 0.17 | cps |
| Molybdenum | 95-1 | 1678493 | 1668064 | 1671967 | 1672841 | 0.31 | cps |
| Molybdenum | 96-1 | 1817387 | 1774202 | 1781766 | 1791118 | 1.29 | cps |
| Molybdenum | 97-1 | 1023226 | 1020431 | 1022486 | 1022048 | 0.14 | cps |
| Molybdenum | 98-1 | 2724477 | 2708646 | 2692388 | 2708503 | 0.59 | cps |
| Neodymium | 150-1 | 73 | 87 | 67 | 76 | 13.48 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 235317 | 234592 | 232203 | 234037 | 0.70 | cps |
| Phosphorus | 31-2 | 2109 | 2225 | 2009 | 2114 | 5.13 | cps |
| Potassium | 39-2 | 133671 | 132189 | 130533 | 132131 | 1.19 | cps |
| Rhodium | 103-1 | 5424573 | 5396624 | 5360469 | 5393888 | 0.60 | cps |
| Rhodium | 103-2 | 1373639 | 1372855 | 1359851 | 1368782 | 0.57 | cps |
| Scandium | 45-1 | 2895076 | 2831789 | 2819287 | 2848717 | 1.43 | cps |
| Scandium | 45-2 | 19036 | 18833 | 18522 | 18797 | 1.38 | cps |
| Selenium | 77-2 | 1283 | 1220 | 1280 | 1261 | 2.83 | cps |
| Selenium | 78-2 | 4616 | 4401 | 4460 | 4492 | 2.47 | cps |
| Selenium | 82-1 | 271861 | 270686 | 268642 | 270396 | 0.60 | cps |
| Silicon | 28-1 | 46756021 | 46293147 | 45984878 | 46344682 | 0.84 | cps |
| Silver | 109-1 | 806530 | 801296 | 796496 | 801441 | 0.63 | cps |
| Silver | 107-1 | 839651 | 838570 | 827614 | 835278 | 0.80 | cps |
| Sodium | 23-2 | 796782 | 782030 | 781659 | 786824 | 1.10 | cps |
| Strontium | 86-1 | 614341 | 616867 | 606440 | 612549 | 0.89 | cps |
| Strontium | 88-1 | 5405638 | 5344874 | 5257024 | 5335845 | 1.40 | cps |
| Sulfur | 34-1 | 328881 | 325066 | 322682 | 325543 | 0.96 | cps |
| Terbium | 159-1 | 8969125 | 8878109 | 8868066 | 8905100 | 0.63 | cps |
| Terbium | 159-2 | 1702503 | 1702616 | 1666593 | 1690571 | 1.23 | cps |
| Thallium | 203-1 | 21785849 | 21738830 | 21587142 | 21703941 | 0.48 | cps |
| Thallium | 205-1 | 52389164 | 52211448 | 52120745 | 52240452 | 0.26 | cps |
| Tin | 118-1 | 5122859 | 5155402 | 5157846 | 5145369 | 0.38 | cps |
| Titanium | 47-1 | 183624 | 181815 | 182677 | 182705 | 0.50 | cps |
| Uranium | 238-1 | 1842 | 1609 | 1809 | 1753 | 7.20 | cps |
| Vanadium | 51-2 | 152614 | 149559 | 148427 | 150200 | 1.44 | cps |
| Yttrium | 89-1 | 5835308 | 5732081 | 5745621 | 5771003 | 0.97 | cps |
| Yttrium | 89-2 | 159579 | 158352 | 156399 | 158110 | 1.01 | cps |
| Zinc | 66-2 | 33554 | 32936 | 32899 | 33130 | 1.11 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01MSD | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:35:33 | DataFile Name : | 051SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 5168 | 4576 | 4109 | 4618 | 11.49 | cps |
| Zirconium | 91-1 | 1892 | 1767 | 1625 | 1761 | 7.58 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01A | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:38:51 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 10051 | 9578 | 10056 | 9895 | 2.77 | cps |
| Antimony | 121-1 | 8109290 | 7991289 | 7888493 | 7996357 | 1.38 | cps |
| Arsenic | 75-1 | 1951913 | 1898658 | 1918137 | 1922903 | 1.40 | cps |
| Barium | 135-1 | 811997 | 810891 | 799520 | 807469 | 0.86 | cps |
| Barium | 137-1 | 1442189 | 1426016 | 1428491 | 1432232 | 0.61 | cps |
| Beryllium | 9-1 | 226093 | 228465 | 222967 | 225842 | 1.22 | cps |
| Bismuth | 209-1 | 6683353 | 6775387 | 6655958 | 6704899 | 0.93 | cps |
| Bismuth | 209-2 | 1508906 | 1496833 | 1499022 | 1501587 | 0.43 | cps |
| Boron | 10-1 | 43768 | 42322 | 43659 | 43249 | 1.86 | cps |
| Boron | 11-1 | 209865 | 210285 | 210152 | 210101 | 0.10 | cps |
| Cadmium | 111-1 | 480897 | 477290 | 475864 | 478017 | 0.54 | cps |
| Cadmium | 106-1 | 43596 | 42526 | 43429 | 43184 | 1.33 | cps |
| Cadmium | 108-1 | 31228 | 30969 | 30551 | 30916 | 1.10 | cps |
| Calcium | 43-1 | 426949 | 423384 | 424724 | 425019 | 0.42 | cps |
| Calcium | 44-1 | 6994076 | 6930123 | 6931191 | 6951796 | 0.53 | cps |
| Chromium | 52-2 | 276497 | 274256 | 273814 | 274856 | 0.52 | cps |
| Cobalt | 59-2 | 321772 | 317252 | 319053 | 319359 | 0.71 | cps |
| Copper | 63-2 | 512075 | 510315 | 508513 | 510301 | 0.35 | cps |
| Dysprosium | 156-1 | 445647 | 445855 | 444720 | 445407 | 0.14 | cps |
| Dysprosium | 156-2 | 8510 | 8359 | 8196 | 8355 | 1.88 | cps |
| Erbium | 164-1 | 75 | 25 | 117 | 72 | 63.55 | cps |
| Erbium | 164-2 | 7 | 7 | 17 | 10 | 57.72 | cps |
| Gadolinium | 160-1 | 175 | 208 | 225 | 203 | 12.55 | cps |
| Gadolinium | 160-2 | 0 | 17 | 13 | 10 | 88.20 | cps |
| Holmium | 165-1 | 8805836 | 8815599 | 8692454 | 8771296 | 0.78 | cps |
| Holmium | 165-2 | 1737921 | 1741465 | 1770818 | 1750068 | 1.03 | cps |
| Indium | 115-1 | 5911018 | 5938394 | 5854263 | 5901225 | 0.73 | cps |
| Indium | 115-2 | 223874 | 220339 | 222879 | 222364 | 0.82 | cps |
| Iron | 56-2 | 1525529 | 1500882 | 1499572 | 1508661 | 0.97 | cps |
| Iron | 57-2 | 37791 | 36348 | 37367 | 37169 | 2.00 | cps |
| Krypton | 83-1 | 253 | 300 | 360 | 304 | 17.56 | cps |
| Lead | 206-1 | 8913206 | 9026354 | 8879331 | 8939630 | 0.86 | cps |
| Lead | 207-1 | 8047519 | 8112853 | 8076764 | 8079045 | 0.41 | cps |
| Lead | 208-1 | 36610828 | 36714527 | 36503824 | 36609726 | 0.29 | cps |
| Lithium | 6-1 | 1013156 | 1017003 | 1005284 | 1011814 | 0.59 | cps |
| Magnesium | 24-2 | 242882 | 239778 | 240719 | 241126 | 0.66 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01A | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:38:51 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 40288 | 40071 | 39717 | 40025 | 0.72 | cps |
| Molybdenum | 94-1 | 935503 | 930953 | 922407 | 929621 | 0.72 | cps |
| Molybdenum | 95-1 | 1689013 | 1664730 | 1656915 | 1670220 | 1.00 | cps |
| Molybdenum | 96-1 | 1807401 | 1785578 | 1775285 | 1789422 | 0.92 | cps |
| Molybdenum | 97-1 | 1032055 | 1025874 | 1021785 | 1026571 | 0.50 | cps |
| Molybdenum | 98-1 | 2753124 | 2708060 | 2689879 | 2717021 | 1.20 | cps |
| Neodymium | 150-1 | 73 | 60 | 87 | 73 | 18.18 | cps |
| Neodymium | 150-2 | 7 | 7 | 10 | 8 | 24.71 | cps |
| Nickel | 60-2 | 235738 | 234131 | 234906 | 234925 | 0.34 | cps |
| Phosphorus | 31-2 | 2100 | 1775 | 2292 | 2056 | 12.71 | cps |
| Potassium | 39-2 | 134715 | 132704 | 131721 | 133047 | 1.15 | cps |
| Rhodium | 103-1 | 5431115 | 5445617 | 5373120 | 5416617 | 0.71 | cps |
| Rhodium | 103-2 | 1351631 | 1348799 | 1350633 | 1350354 | 0.11 | cps |
| Scandium | 45-1 | 2853992 | 2902425 | 2857134 | 2871184 | 0.94 | cps |
| Scandium | 45-2 | 18946 | 18799 | 18466 | 18737 | 1.31 | cps |
| Selenium | 77-2 | 1207 | 1250 | 1277 | 1245 | 2.84 | cps |
| Selenium | 78-2 | 4412 | 4367 | 4319 | 4366 | 1.06 | cps |
| Selenium | 82-1 | 272573 | 270036 | 268147 | 270252 | 0.82 | cps |
| Silicon | 28-1 | 46446529 | 46057325 | 46013555 | 46172470 | 0.52 | cps |
| Silver | 109-1 | 808776 | 802748 | 796361 | 802628 | 0.77 | cps |
| Silver | 107-1 | 839687 | 835449 | 828942 | 834693 | 0.65 | cps |
| Sodium | 23-2 | 796766 | 791268 | 785329 | 791121 | 0.72 | cps |
| Strontium | 86-1 | 616915 | 605872 | 608388 | 610392 | 0.95 | cps |
| Strontium | 88-1 | 5398656 | 5381852 | 5351696 | 5377401 | 0.44 | cps |
| Sulfur | 34-1 | 317688 | 316576 | 312314 | 315526 | 0.90 | cps |
| Terbium | 159-1 | 8951130 | 8981508 | 8872744 | 8935128 | 0.63 | cps |
| Terbium | 159-2 | 1672097 | 1677136 | 1665192 | 1671475 | 0.36 | cps |
| Thallium | 203-1 | 21863543 | 21682258 | 21539033 | 21694945 | 0.75 | cps |
| Thallium | 205-1 | 52704068 | 52689400 | 52055066 | 52482845 | 0.71 | cps |
| Tin | 118-1 | 5149578 | 5172778 | 5117637 | 5146664 | 0.54 | cps |
| Titanium | 47-1 | 185173 | 182145 | 182912 | 183410 | 0.86 | cps |
| Uranium | 238-1 | 1709 | 1659 | 1942 | 1770 | 8.55 | cps |
| Vanadium | 51-2 | 153029 | 151678 | 151014 | 151907 | 0.68 | cps |
| Yttrium | 89-1 | 5836500 | 5821202 | 5763908 | 5807203 | 0.66 | cps |
| Yttrium | 89-2 | 156659 | 156316 | 154997 | 155991 | 0.56 | cps |
| Zinc | 66-2 | 32816 | 33460 | 33023 | 33100 | 0.99 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | J5359-01A | Instrumnet Name : | P8 |
| Client Sample ID : | 380928104.9-FERNANDI | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:38:51 | DataFile Name : | 052SMPL.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 3451 | 3284 | 2942 | 3226 | 8.04 | cps |
| Zirconium | 91-1 | 1442 | 1158 | 1267 | 1289 | 11.09 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:42:09 | DataFile Name : | 053CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 291167 | 294038 | 292753 | 292653 | 0.49 | cps |
| Antimony | 121-1 | 4997015 | 5119637 | 5113171 | 5076608 | 1.36 | cps |
| Arsenic | 75-1 | 1108133 | 1146448 | 1141563 | 1132048 | 1.84 | cps |
| Barium | 135-1 | 5425805 | 5576207 | 5601146 | 5534386 | 1.71 | cps |
| Barium | 137-1 | 9540667 | 9813382 | 9766081 | 9706710 | 1.50 | cps |
| Beryllium | 9-1 | 548306 | 569987 | 569593 | 562628 | 2.20 | cps |
| Bismuth | 209-1 | 5610567 | 5775204 | 5793136 | 5726302 | 1.76 | cps |
| Bismuth | 209-2 | 1353665 | 1349594 | 1346951 | 1350070 | 0.25 | cps |
| Boron | 10-1 | 63683 | 67945 | 69252 | 66960 | 4.35 | cps |
| Boron | 11-1 | 313577 | 336187 | 341658 | 330474 | 4.50 | cps |
| Cadmium | 111-1 | 1075978 | 1108155 | 1110025 | 1098053 | 1.74 | cps |
| Cadmium | 106-1 | 111929 | 116013 | 115432 | 114458 | 1.93 | cps |
| Cadmium | 108-1 | 76319 | 78405 | 80057 | 78260 | 2.39 | cps |
| Calcium | 43-1 | 4485279 | 4630281 | 4688887 | 4601482 | 2.28 | cps |
| Calcium | 44-1 | 73193175 | 75370641 | 75110656 | 74558157 | 1.60 | cps |
| Chromium | 52-2 | 379917 | 384782 | 382721 | 382473 | 0.64 | cps |
| Cobalt | 59-2 | 822054 | 819471 | 826932 | 822819 | 0.46 | cps |
| Copper | 63-2 | 1390341 | 1396272 | 1398208 | 1394940 | 0.29 | cps |
| Dysprosium | 156-1 | 167 | 192 | 125 | 161 | 20.90 | cps |
| Dysprosium | 156-2 | 10 | 3 | 3 | 6 | 69.34 | cps |
| Erbium | 164-1 | 67 | 67 | 8 | 47 | 71.33 | cps |
| Erbium | 164-2 | 7 | 13 | 20 | 13 | 49.99 | cps |
| Gadolinium | 160-1 | 108 | 125 | 92 | 108 | 15.39 | cps |
| Gadolinium | 160-2 | 10 | 20 | 20 | 17 | 34.64 | cps |
| Holmium | 165-1 | 7999070 | 8223002 | 8192443 | 8138172 | 1.49 | cps |
| Holmium | 165-2 | 1710097 | 1700481 | 1677872 | 1696150 | 0.98 | cps |
| Indium | 115-1 | 5260946 | 5431376 | 5498642 | 5396988 | 2.27 | cps |
| Indium | 115-2 | 221316 | 225267 | 222752 | 223112 | 0.90 | cps |
| Iron | 56-2 | 62763026 | 63134304 | 63108038 | 63001789 | 0.33 | cps |
| Iron | 57-2 | 1610086 | 1616800 | 1651201 | 1626029 | 1.36 | cps |
| Krypton | 83-1 | 353 | 363 | 317 | 344 | 7.13 | cps |
| Lead | 206-1 | 3986364 | 4077754 | 4049421 | 4037846 | 1.16 | cps |
| Lead | 207-1 | 3631930 | 3745454 | 3774630 | 3717338 | 2.03 | cps |
| Lead | 208-1 | 16260795 | 16712204 | 16741391 | 16571463 | 1.63 | cps |
| Lithium | 6-1 | 853605 | 882496 | 885297 | 873800 | 2.01 | cps |
| Magnesium | 24-2 | 6231130 | 6302163 | 6247534 | 6260276 | 0.59 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:42:09 | DataFile Name : | 053CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 216108 | 215648 | 216709 | 216155 | 0.25 | cps |
| Molybdenum | 94-1 | 8170793 | 8342593 | 8307051 | 8273479 | 1.10 | cps |
| Molybdenum | 95-1 | 9985091 | 10257967 | 10287866 | 10176975 | 1.64 | cps |
| Molybdenum | 96-1 | 11181993 | 11545537 | 11521480 | 11416337 | 1.78 | cps |
| Molybdenum | 97-1 | 6416289 | 6546019 | 6565916 | 6509408 | 1.25 | cps |
| Molybdenum | 98-1 | 16353486 | 16836811 | 16838983 | 16676427 | 1.68 | cps |
| Neodymium | 150-1 | 260 | 300 | 347 | 302 | 14.35 | cps |
| Neodymium | 150-2 | 13 | 20 | 7 | 13 | 49.99 | cps |
| Nickel | 60-2 | 245193 | 246592 | 246371 | 246052 | 0.31 | cps |
| Phosphorus | 31-2 | 3676 | 3959 | 3601 | 3745 | 5.05 | cps |
| Potassium | 39-2 | 1629632 | 1647484 | 1627937 | 1635018 | 0.66 | cps |
| Rhodium | 103-1 | 4754682 | 4893930 | 4905609 | 4851407 | 1.73 | cps |
| Rhodium | 103-2 | 1276868 | 1277753 | 1283086 | 1279236 | 0.26 | cps |
| Scandium | 45-1 | 2726975 | 2824950 | 2831150 | 2794359 | 2.09 | cps |
| Scandium | 45-2 | 19570 | 20108 | 20145 | 19941 | 1.61 | cps |
| Selenium | 77-2 | 340 | 303 | 360 | 334 | 8.59 | cps |
| Selenium | 78-2 | 1156 | 1159 | 1115 | 1143 | 2.16 | cps |
| Selenium | 82-1 | 61545 | 63174 | 63415 | 62711 | 1.62 | cps |
| Silicon | 28-1 | 1759915 | 1817004 | 1836656 | 1804525 | 2.21 | cps |
| Silver | 109-1 | 4939005 | 5049856 | 5031726 | 5006862 | 1.19 | cps |
| Silver | 107-1 | 5084534 | 5251963 | 5253385 | 5196628 | 1.87 | cps |
| Sodium | 23-2 | 13688370 | 13751438 | 13818738 | 13752849 | 0.47 | cps |
| Strontium | 86-1 | 1214638 | 1249299 | 1257186 | 1240374 | 1.82 | cps |
| Strontium | 88-1 | 10643578 | 10929992 | 11024993 | 10866188 | 1.83 | cps |
| Sulfur | 34-1 | 521264 | 539989 | 539779 | 533677 | 2.01 | cps |
| Terbium | 159-1 | 7999018 | 8211803 | 8344549 | 8185123 | 2.13 | cps |
| Terbium | 159-2 | 1623694 | 1618176 | 1595321 | 1612397 | 0.93 | cps |
| Thallium | 203-1 | 4851074 | 5020322 | 4986383 | 4952593 | 1.81 | cps |
| Thallium | 205-1 | 11663739 | 11965940 | 11876775 | 11835485 | 1.31 | cps |
| Tin | 118-1 | 3518716 | 3617338 | 3595753 | 3577269 | 1.45 | cps |
| Titanium | 47-1 | 2301033 | 2341470 | 2335768 | 2326090 | 0.94 | cps |
| Uranium | 238-1 | 17411292 | 17971349 | 18011894 | 17798179 | 1.89 | cps |
| Vanadium | 51-2 | 271904 | 272813 | 273028 | 272581 | 0.22 | cps |
| Yttrium | 89-1 | 5431965 | 5524632 | 5579903 | 5512167 | 1.36 | cps |
| Yttrium | 89-2 | 161252 | 161111 | 160341 | 160902 | 0.30 | cps |
| Zinc | 66-2 | 133037 | 134592 | 134642 | 134090 | 0.68 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCV91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCV91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:42:09 | DataFile Name : | 053CCV.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 6709112 | 6924363 | 6975149 | 6869541 | 2.06 | cps |
| Zirconium | 91-1 | 1529180 | 1559244 | 1564404 | 1550943 | 1.23 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:45:22 | DataFile Name : | 054CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Aluminium | 27-2 | 20 | 18 | 13 | 17 | 22.93 | cps |
| Antimony | 121-1 | 15451 | 14709 | 14492 | 14884 | 3.38 | cps |
| Arsenic | 75-1 | 1042 | 992 | 967 | 1000 | 3.82 | cps |
| Barium | 135-1 | 258 | 300 | 308 | 289 | 9.27 | cps |
| Barium | 137-1 | 617 | 358 | 458 | 478 | 27.26 | cps |
| Beryllium | 9-1 | 550 | 461 | 456 | 489 | 10.84 | cps |
| Bismuth | 209-1 | 6245447 | 6279471 | 6240036 | 6254985 | 0.34 | cps |
| Bismuth | 209-2 | 1442831 | 1490531 | 1488961 | 1474108 | 1.84 | cps |
| Boron | 10-1 | 4001 | 3892 | 3509 | 3801 | 6.80 | cps |
| Boron | 11-1 | 19881 | 17970 | 18070 | 18641 | 5.77 | cps |
| Cadmium | 111-1 | 1176 | 1100 | 1022 | 1099 | 7.03 | cps |
| Cadmium | 106-1 | 1425 | 1333 | 1267 | 1342 | 5.93 | cps |
| Cadmium | 108-1 | 13 | 13 | 33 | 19 | 61.85 | cps |
| Calcium | 43-1 | 442 | 550 | 467 | 486 | 11.67 | cps |
| Calcium | 44-1 | 14408 | 13223 | 12648 | 13427 | 6.68 | cps |
| Chromium | 52-2 | 473 | 387 | 540 | 467 | 16.48 | cps |
| Cobalt | 59-2 | 67 | 70 | 37 | 58 | 31.77 | cps |
| Copper | 63-2 | 507 | 503 | 430 | 480 | 9.03 | cps |
| Dysprosium | 156-1 | 50 | 25 | 8 | 28 | 75.51 | cps |
| Dysprosium | 156-2 | 0 | 0 | 10 | 3 | 173.21 | cps |
| Erbium | 164-1 | 58 | 25 | 8 | 31 | 83.33 | cps |
| Erbium | 164-2 | 3 | 0 | 3 | 2 | 86.60 | cps |
| Gadolinium | 160-1 | 50 | 25 | 25 | 33 | 43.30 | cps |
| Gadolinium | 160-2 | 10 | 3 | 10 | 8 | 49.52 | cps |
| Holmium | 165-1 | 8368754 | 8408500 | 8352699 | 8376651 | 0.34 | cps |
| Holmium | 165-2 | 1707374 | 1753626 | 1739453 | 1733485 | 1.37 | cps |
| Indium | 115-1 | 5888622 | 5964633 | 5835001 | 5896085 | 1.10 | cps |
| Indium | 115-2 | 237975 | 244968 | 241604 | 241516 | 1.45 | cps |
| Iron | 56-2 | 3617 | 3428 | 2834 | 3293 | 12.42 | cps |
| Iron | 57-2 | 111 | 72 | 67 | 83 | 29.06 | cps |
| Krypton | 83-1 | 370 | 337 | 367 | 358 | 5.13 | cps |
| Lead | 206-1 | 995 | 972 | 922 | 963 | 3.84 | cps |
| Lead | 207-1 | 878 | 983 | 839 | 900 | 8.31 | cps |
| Lead | 208-1 | 3889 | 4034 | 3689 | 3871 | 4.47 | cps |
| Lithium | 6-1 | 957375 | 973303 | 984330 | 971669 | 1.39 | cps |
| Magnesium | 24-2 | 492 | 442 | 367 | 433 | 14.52 | cps |

| | | | |
|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:45:22 | DataFile Name : | 054CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Manganese | 55-2 | 37 | 27 | 37 | 33 | 17.32 | cps |
| Molybdenum | 94-1 | 3417 | 3034 | 2850 | 3101 | 9.33 | cps |
| Molybdenum | 95-1 | 4276 | 4159 | 3442 | 3959 | 11.40 | cps |
| Molybdenum | 96-1 | 5060 | 4209 | 4076 | 4448 | 12.00 | cps |
| Molybdenum | 97-1 | 2842 | 2784 | 2267 | 2631 | 12.03 | cps |
| Molybdenum | 98-1 | 6944 | 6052 | 5193 | 6063 | 14.44 | cps |
| Neodymium | 150-1 | 13 | 7 | 13 | 11 | 34.61 | cps |
| Neodymium | 150-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Nickel | 60-2 | 250 | 293 | 257 | 267 | 8.75 | cps |
| Phosphorus | 31-2 | 0 | 8 | 0 | 3 | 173.21 | cps |
| Potassium | 39-2 | 2050 | 1934 | 1817 | 1934 | 6.03 | cps |
| Rhodium | 103-1 | 5391435 | 5458816 | 5374753 | 5408335 | 0.82 | cps |
| Rhodium | 103-2 | 1387615 | 1417394 | 1404760 | 1403256 | 1.07 | cps |
| Scandium | 45-1 | 2864927 | 2925275 | 2898397 | 2896200 | 1.04 | cps |
| Scandium | 45-2 | 19767 | 20018 | 20906 | 20230 | 2.96 | cps |
| Selenium | 77-2 | 0 | 0 | 0 | 0 | 0.00 | cps |
| Selenium | 78-2 | 0 | 4 | 6 | 3 | 91.69 | cps |
| Selenium | 82-1 | 8 | 50 | 26 | 28 | 75.67 | cps |
| Silicon | 28-1 | 159302 | 158022 | 157760 | 158361 | 0.52 | cps |
| Silver | 109-1 | 792 | 758 | 700 | 750 | 6.19 | cps |
| Silver | 107-1 | 942 | 758 | 767 | 822 | 12.59 | cps |
| Sodium | 23-2 | 6168 | 5693 | 6052 | 5971 | 4.15 | cps |
| Strontium | 86-1 | 575 | 642 | 633 | 617 | 5.89 | cps |
| Strontium | 88-1 | 992 | 817 | 783 | 864 | 12.95 | cps |
| Sulfur | 34-1 | 284058 | 284178 | 286806 | 285014 | 0.54 | cps |
| Terbium | 159-1 | 8460749 | 8614699 | 8468765 | 8514738 | 1.02 | cps |
| Terbium | 159-2 | 1643842 | 1687474 | 1691484 | 1674266 | 1.58 | cps |
| Thallium | 203-1 | 3626 | 3376 | 3159 | 3387 | 6.90 | cps |
| Thallium | 205-1 | 8203 | 7836 | 8328 | 8122 | 3.15 | cps |
| Tin | 118-1 | 4201 | 4051 | 3584 | 3945 | 8.15 | cps |
| Titanium | 47-1 | 192 | 217 | 150 | 186 | 18.10 | cps |
| Uranium | 238-1 | 1183 | 833 | 800 | 939 | 22.62 | cps |
| Vanadium | 51-2 | 17 | 10 | 7 | 11 | 45.82 | cps |
| Yttrium | 89-1 | 5739779 | 5772094 | 5718034 | 5743302 | 0.47 | cps |
| Yttrium | 89-2 | 162517 | 166562 | 166123 | 165067 | 1.34 | cps |
| Zinc | 66-2 | 80 | 53 | 63 | 66 | 20.55 | cps |

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|---|---|---|---|
| LB Number : | LB98523 | Operator : | Jaswal |
| Lab Sample ID : | CCB91 | Instrumnet Name : | P8 |
| Client Sample ID : | CCB91 | Dilution Factor : | 1 |
| Date & Time Acquired :: | 2018-10-10 15:45:22 | DataFile Name : | 054CCBE.d |

| Parameter | Mass | CPS1 | CPS2 | CPS3 | CPSMean | CPSRSD | Units |
|---|---|---|---|---|---|---|---|
| Zirconium | 90-1 | 2275 | 2284 | 1850 | 2136 | 11.60 | cps |
| Zirconium | 91-1 | 667 | 450 | 458 | 525 | 23.38 | cps |