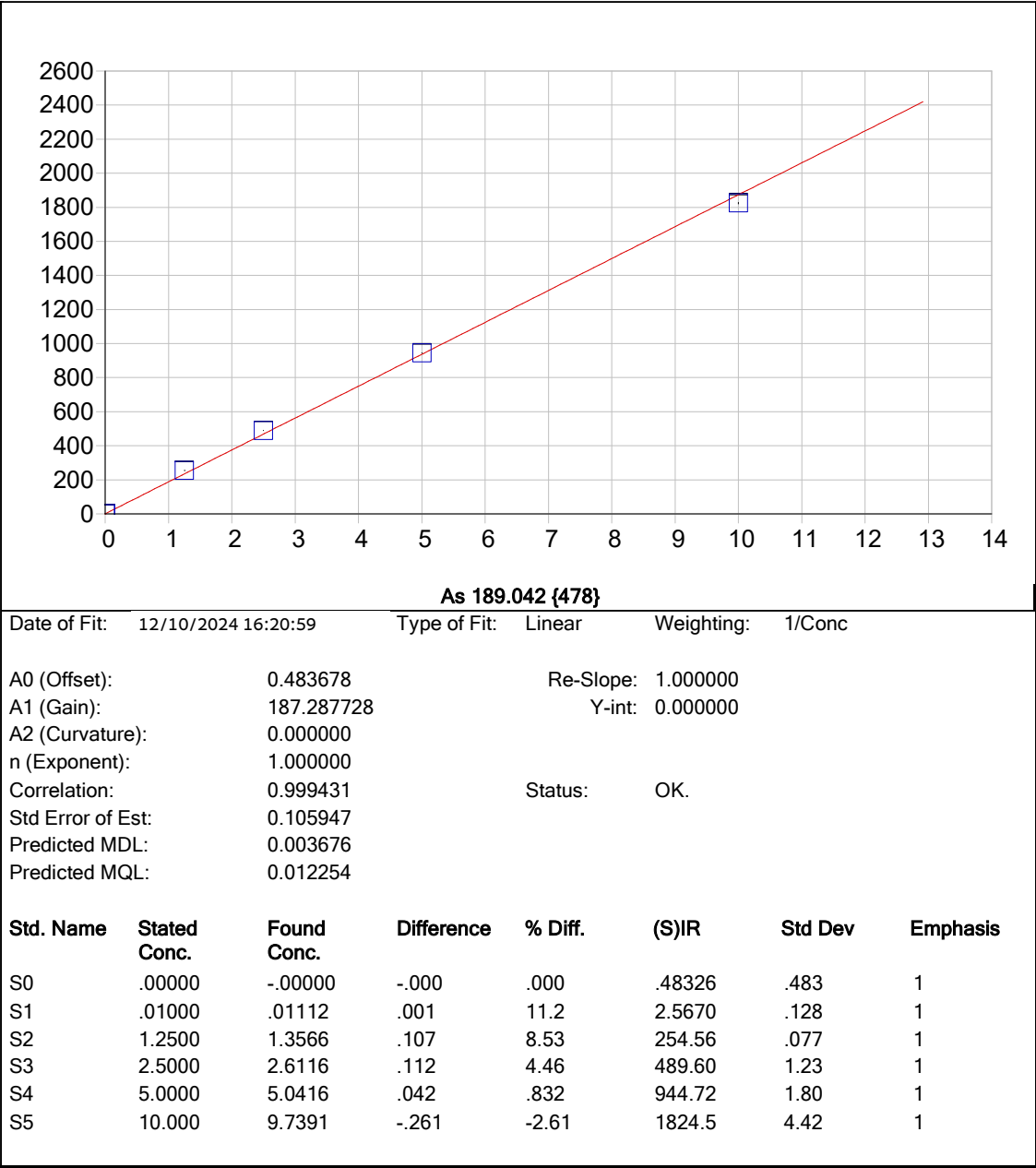
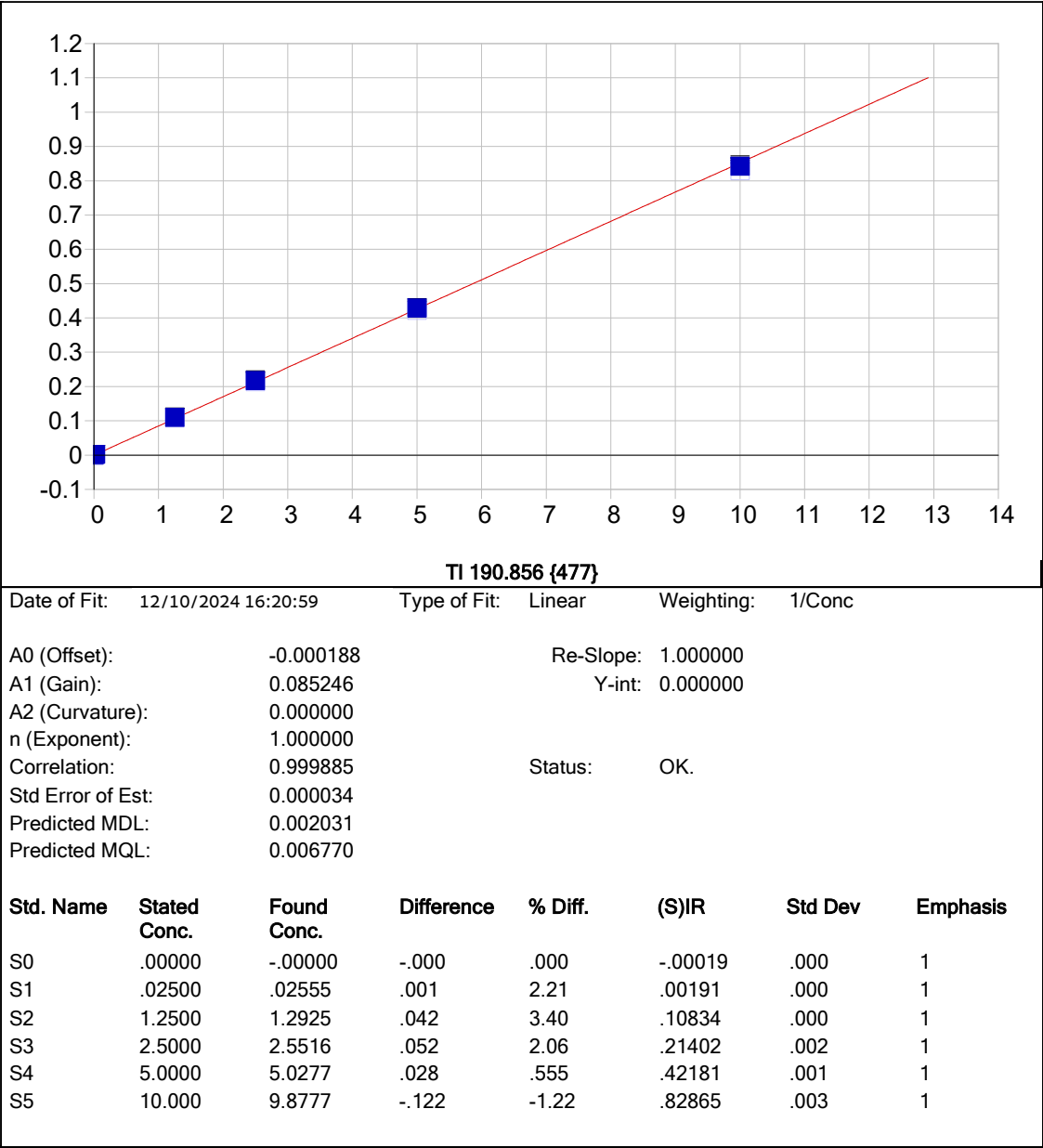
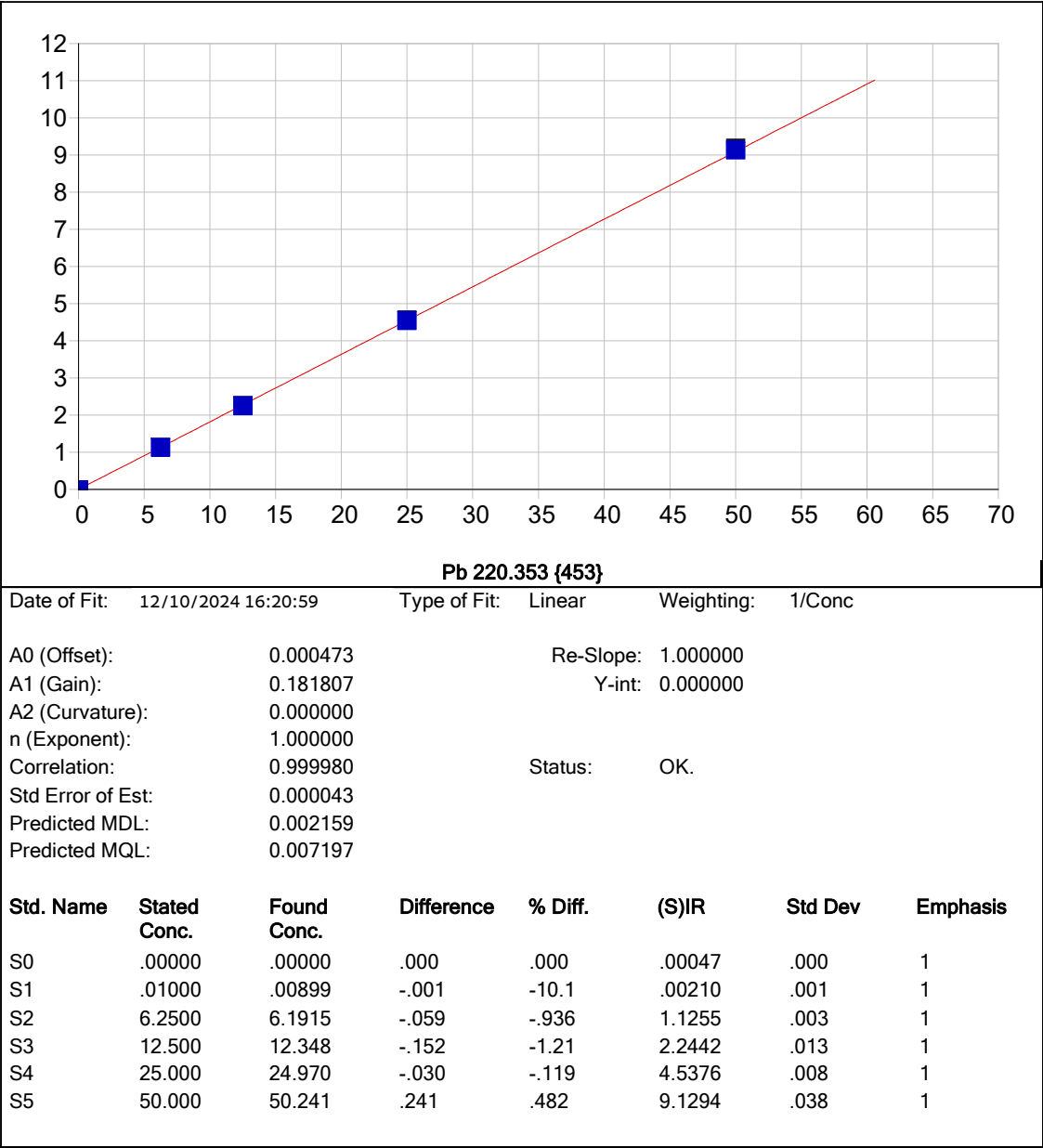
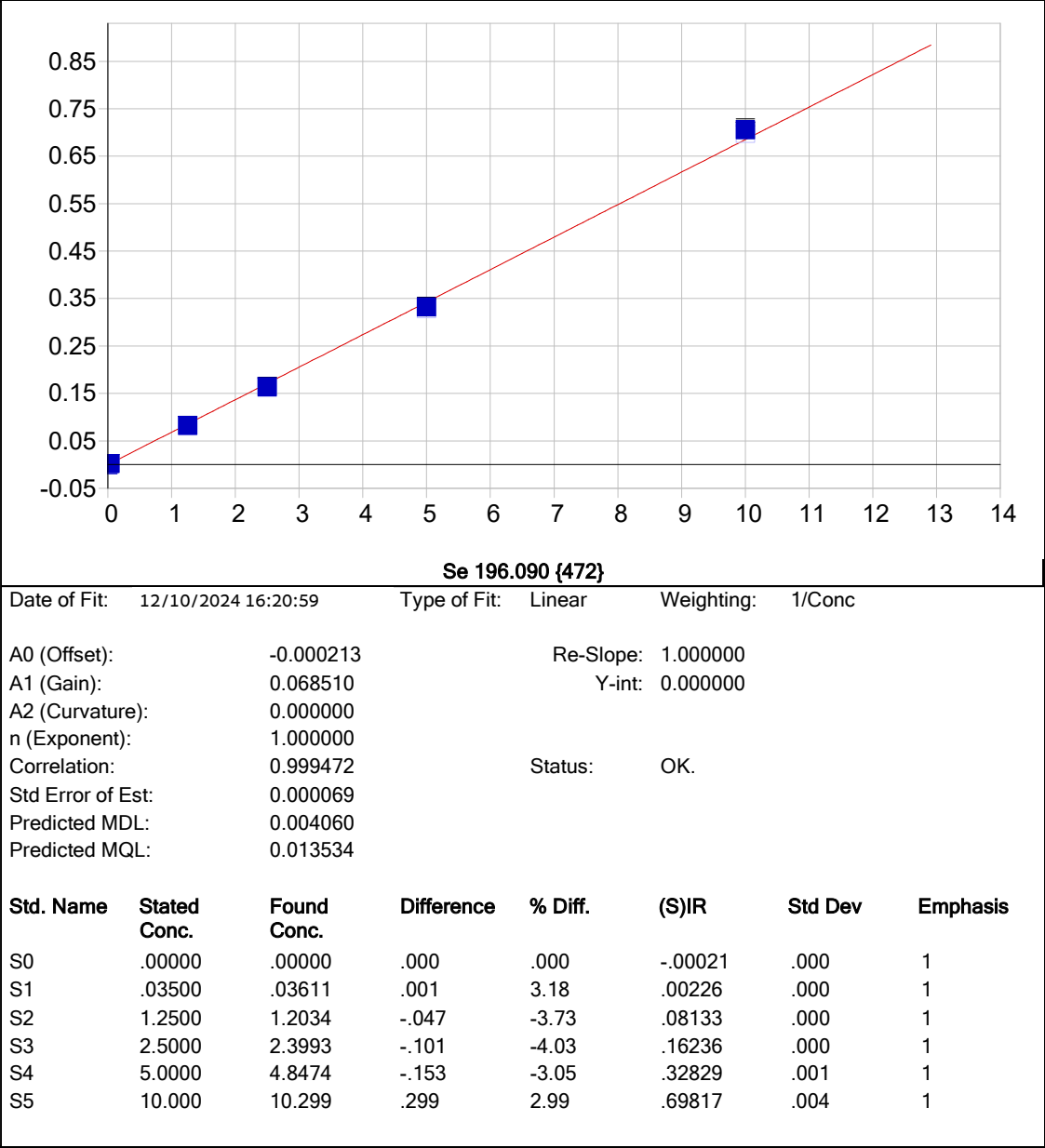


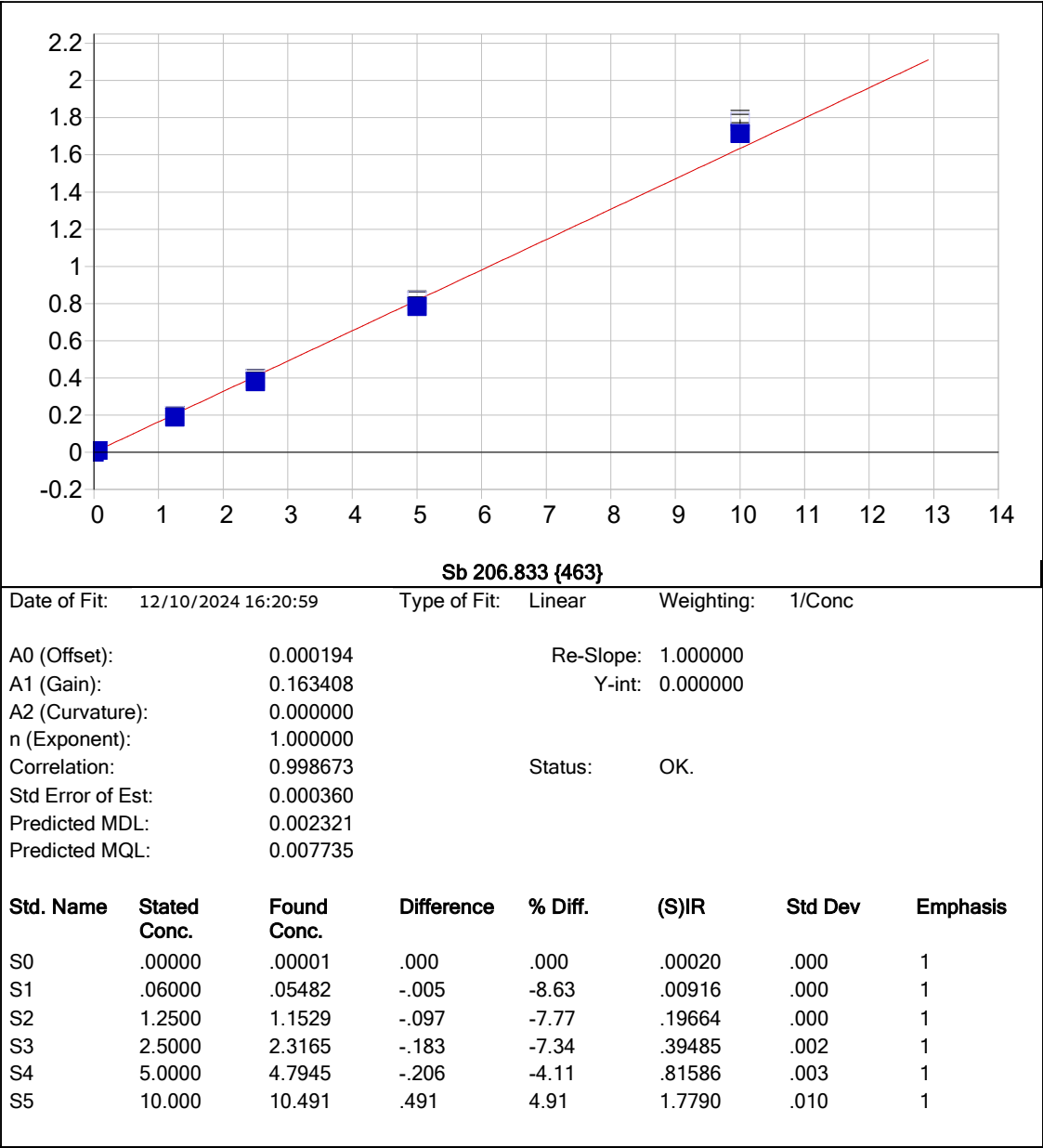


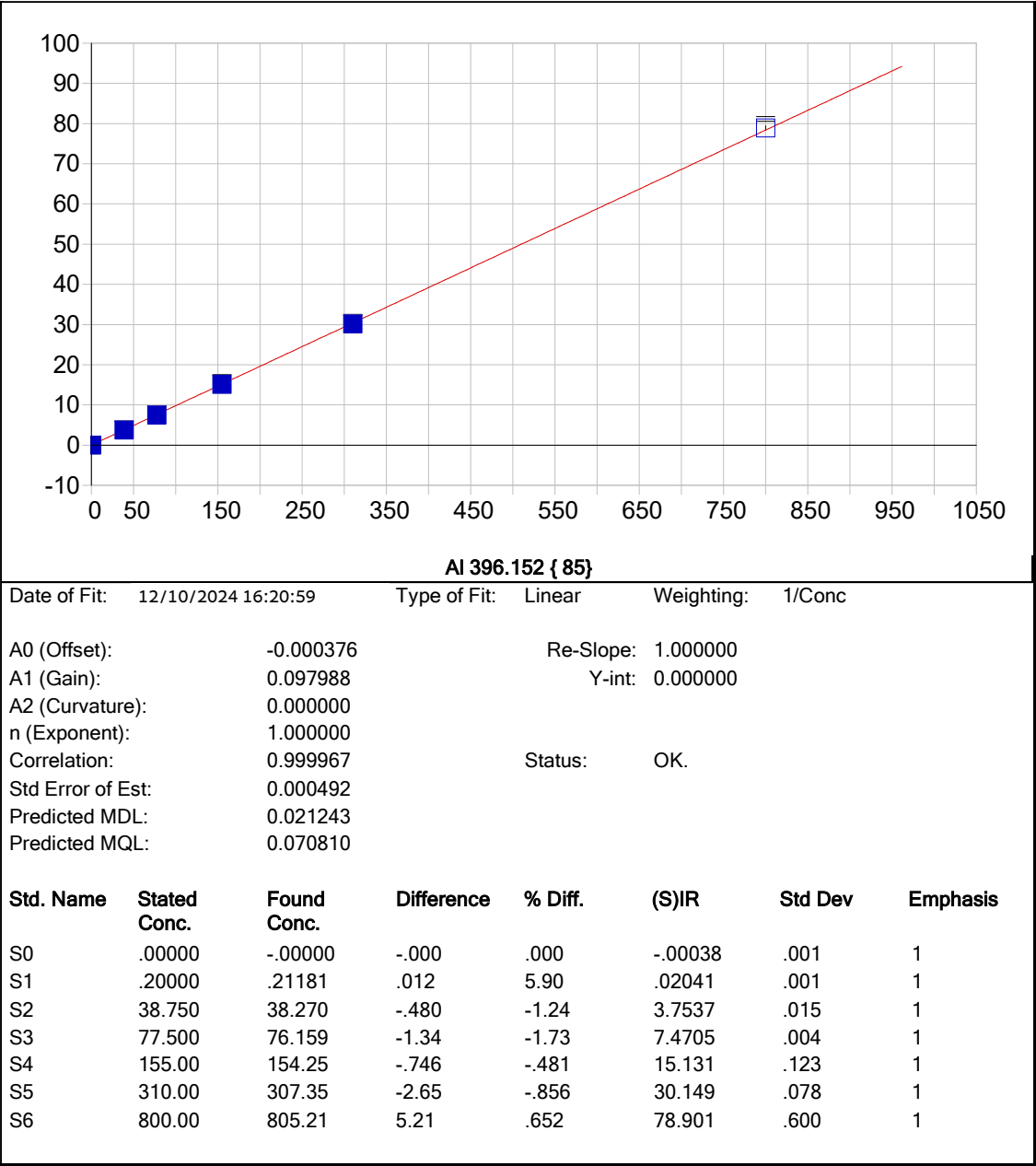


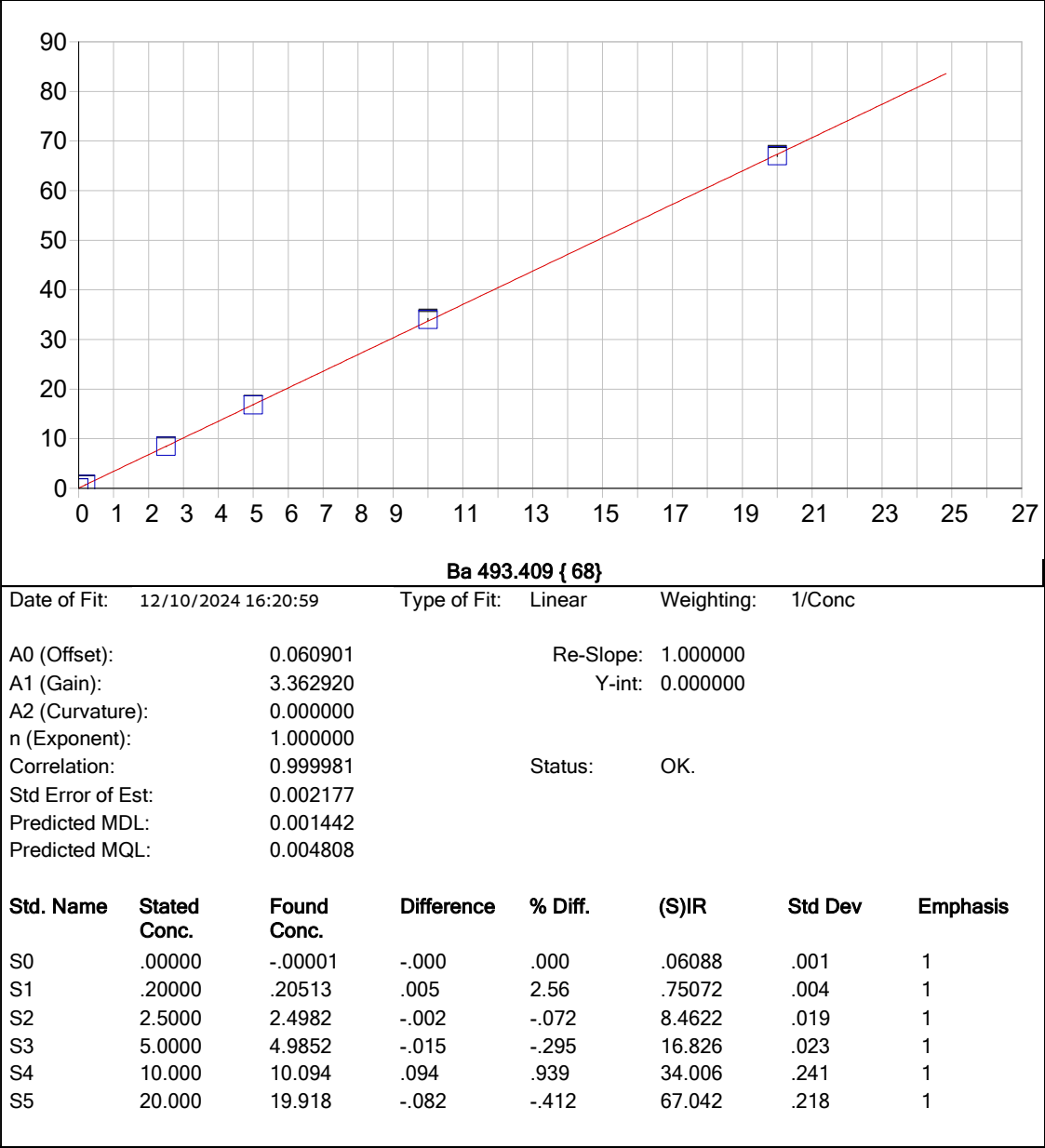


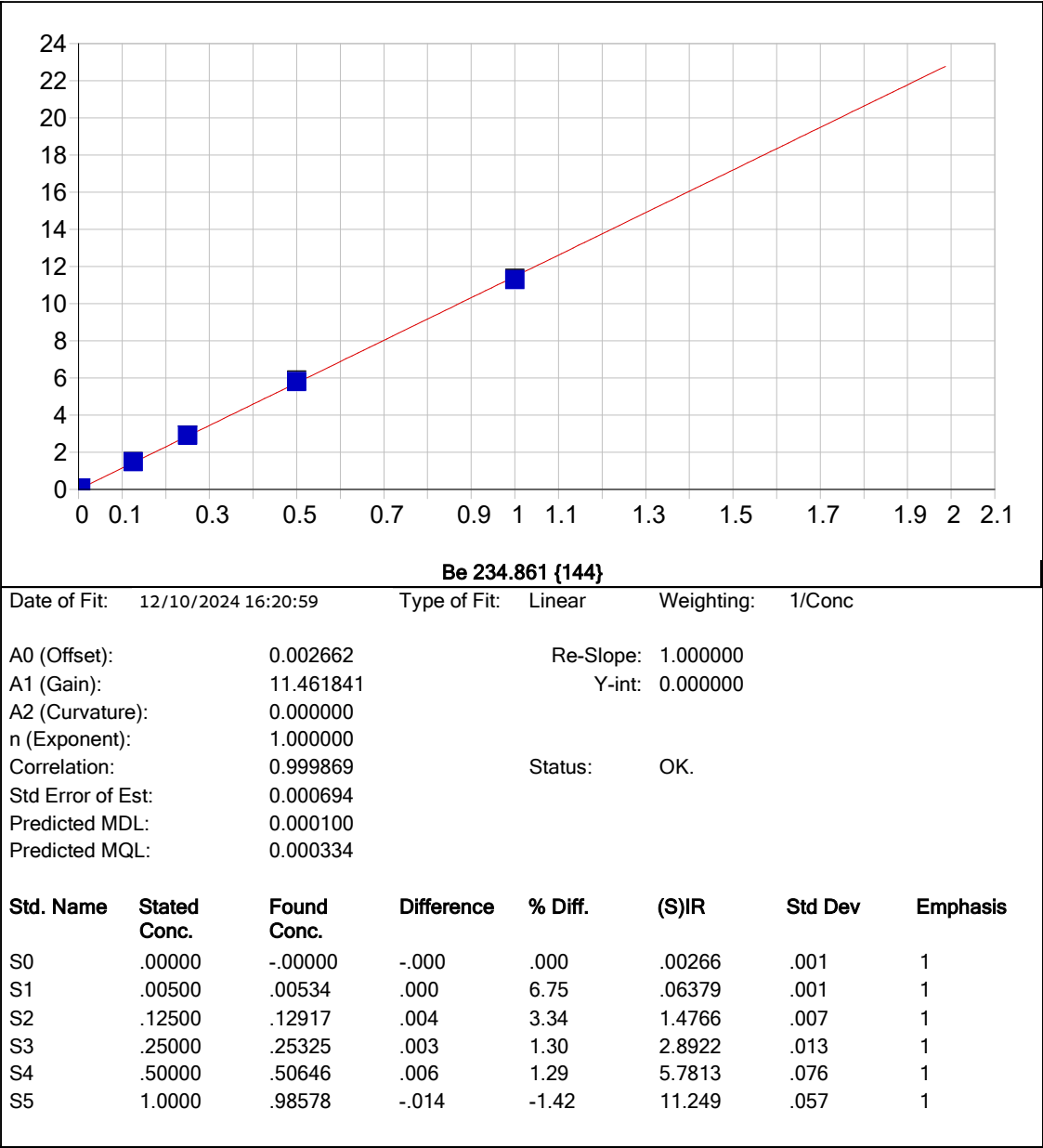


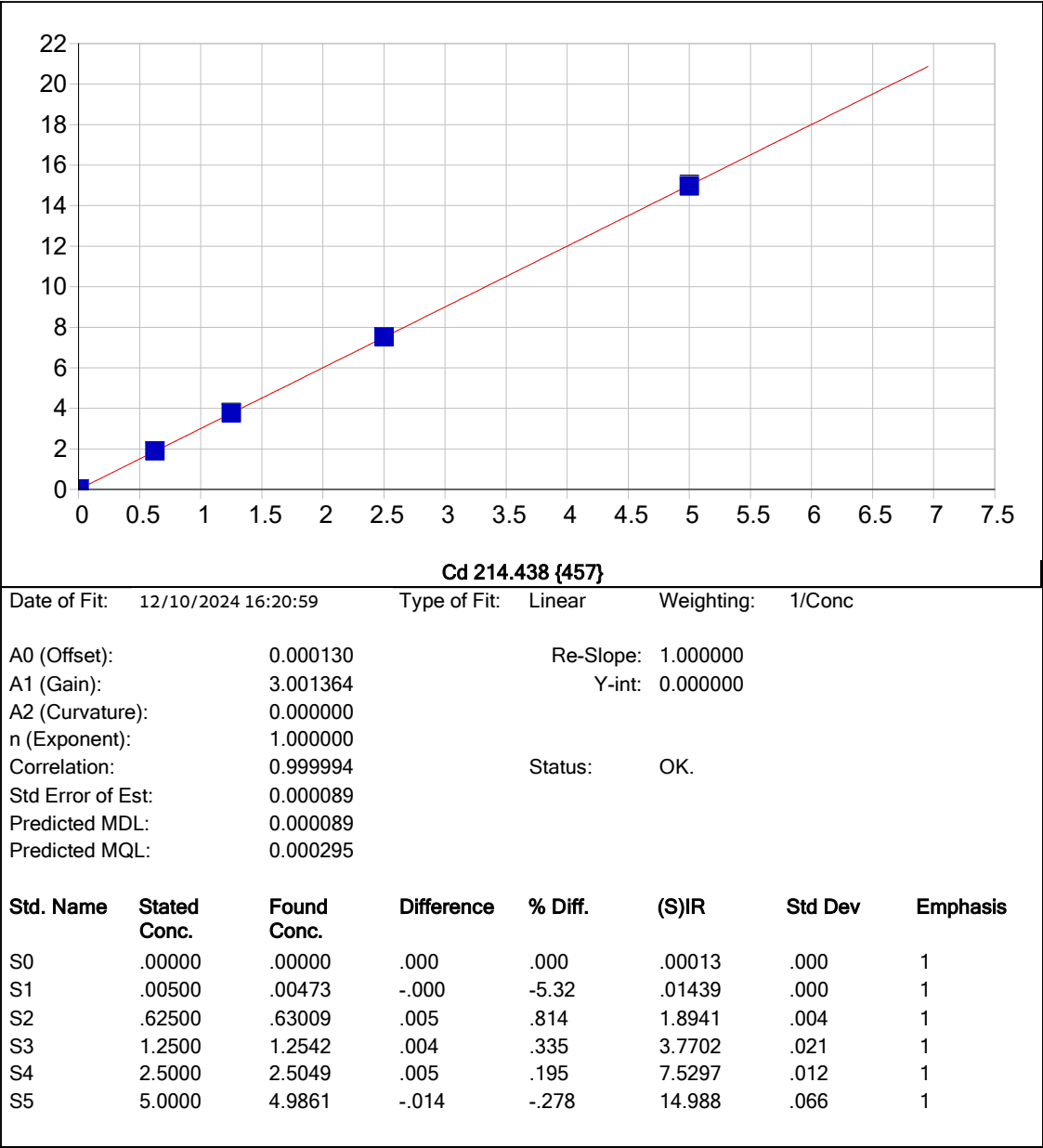


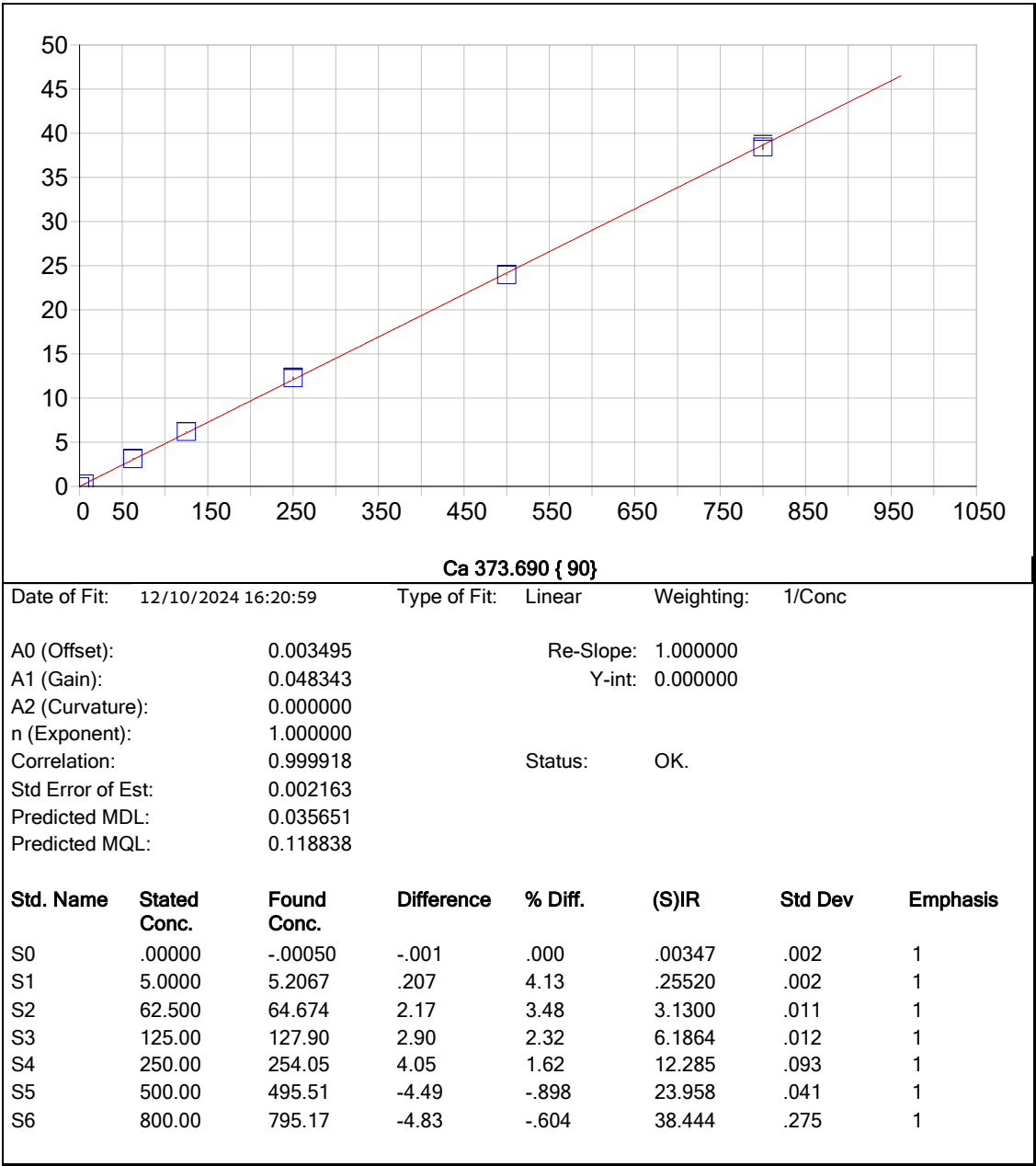




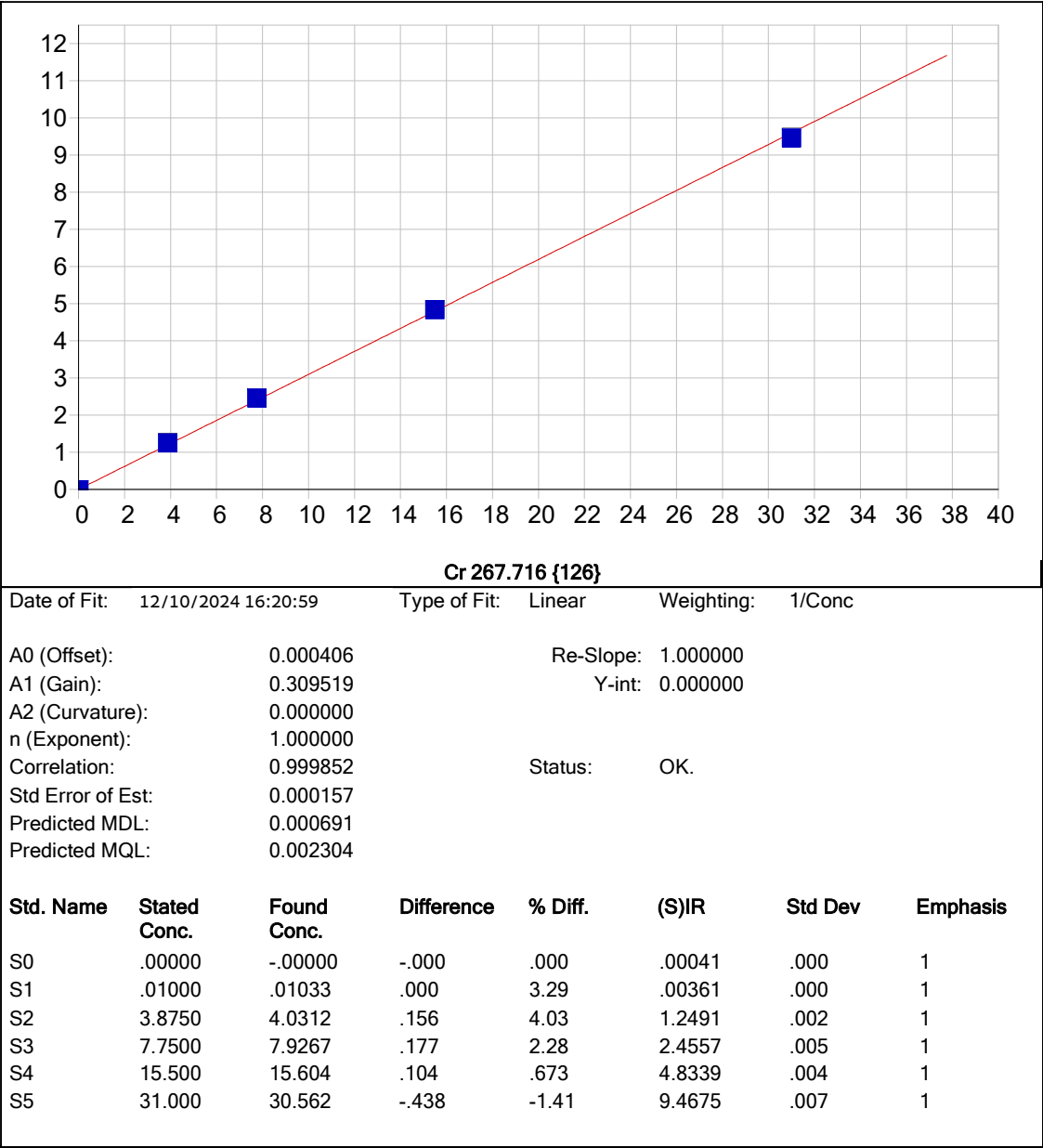


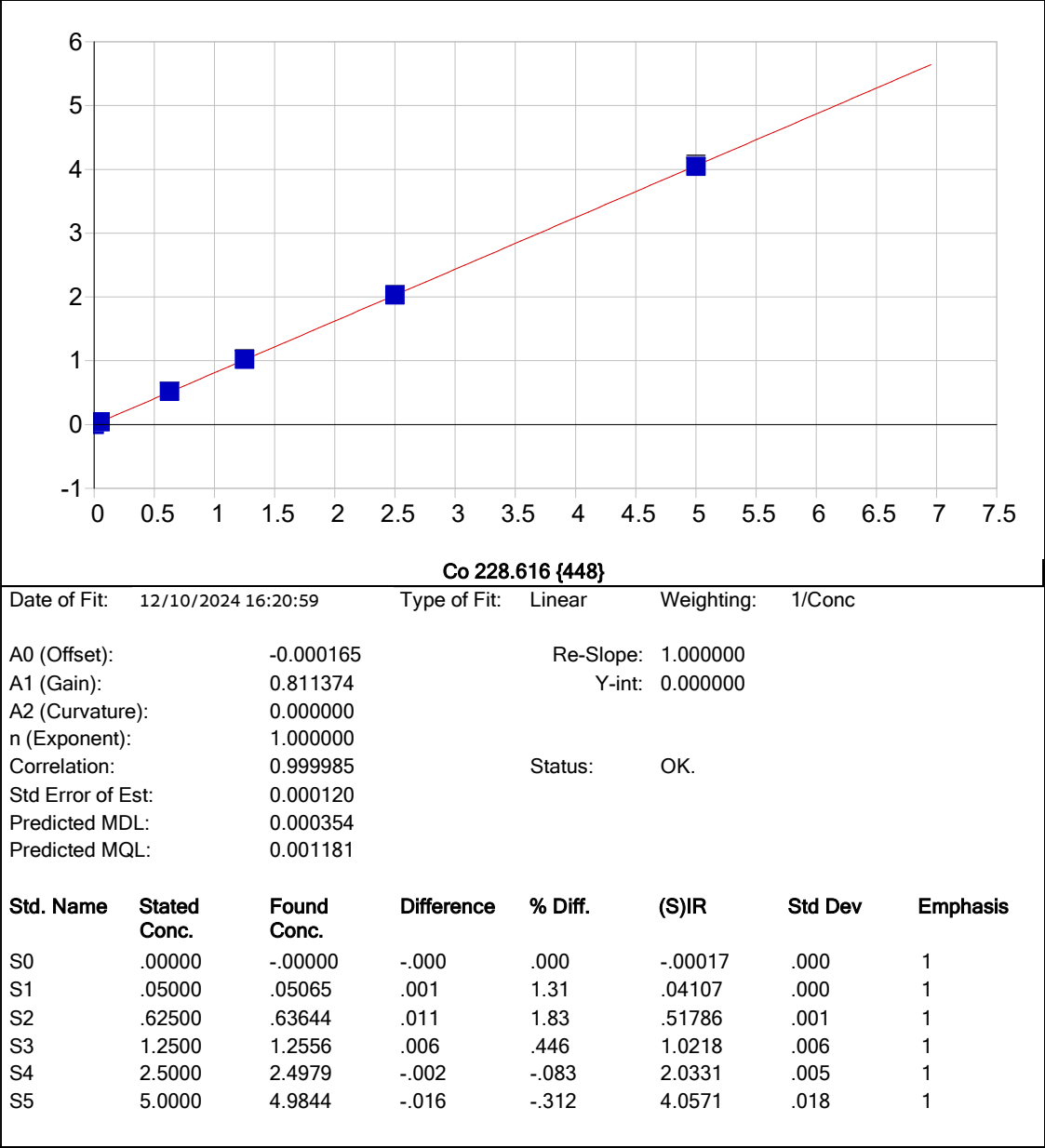


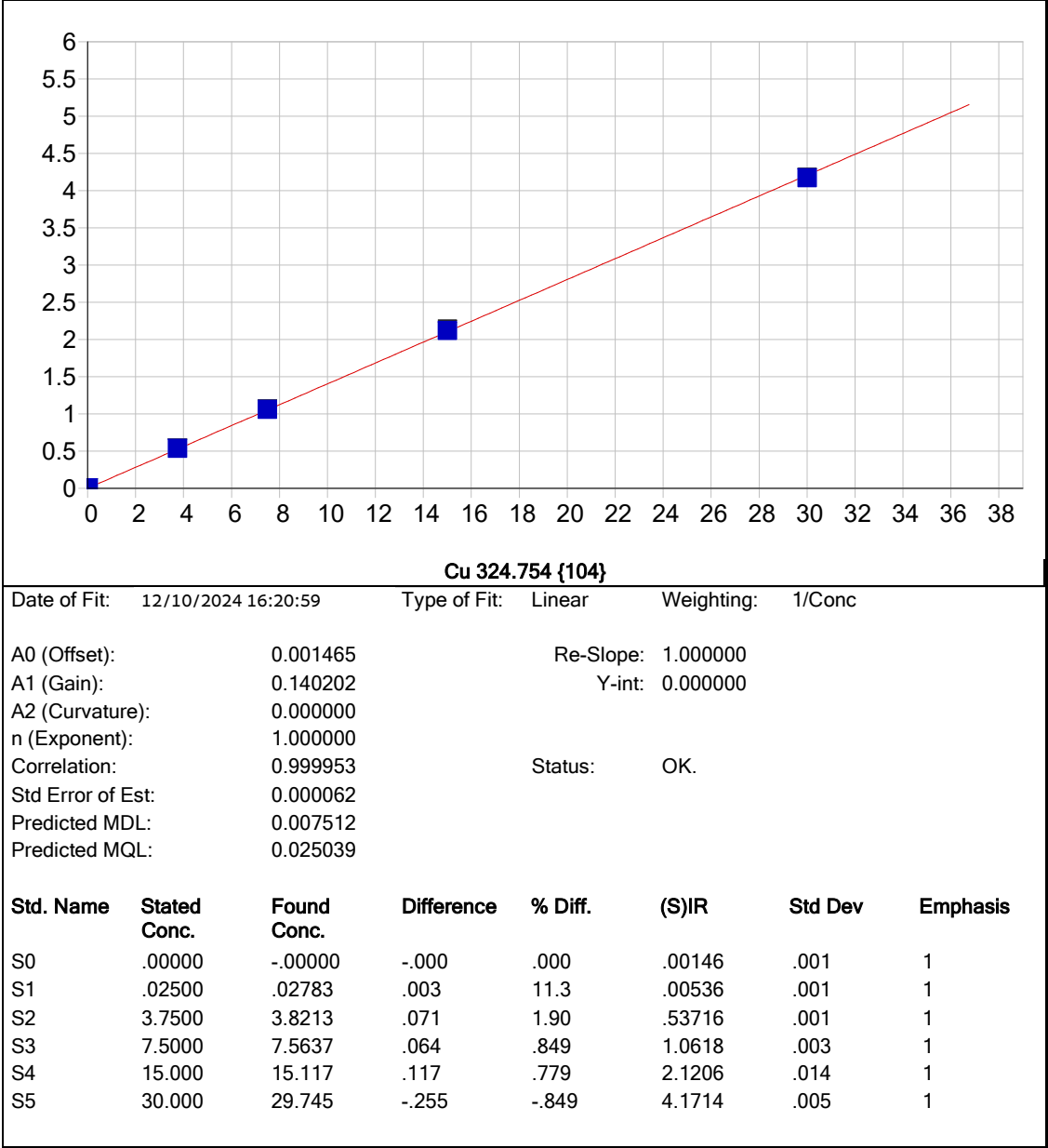


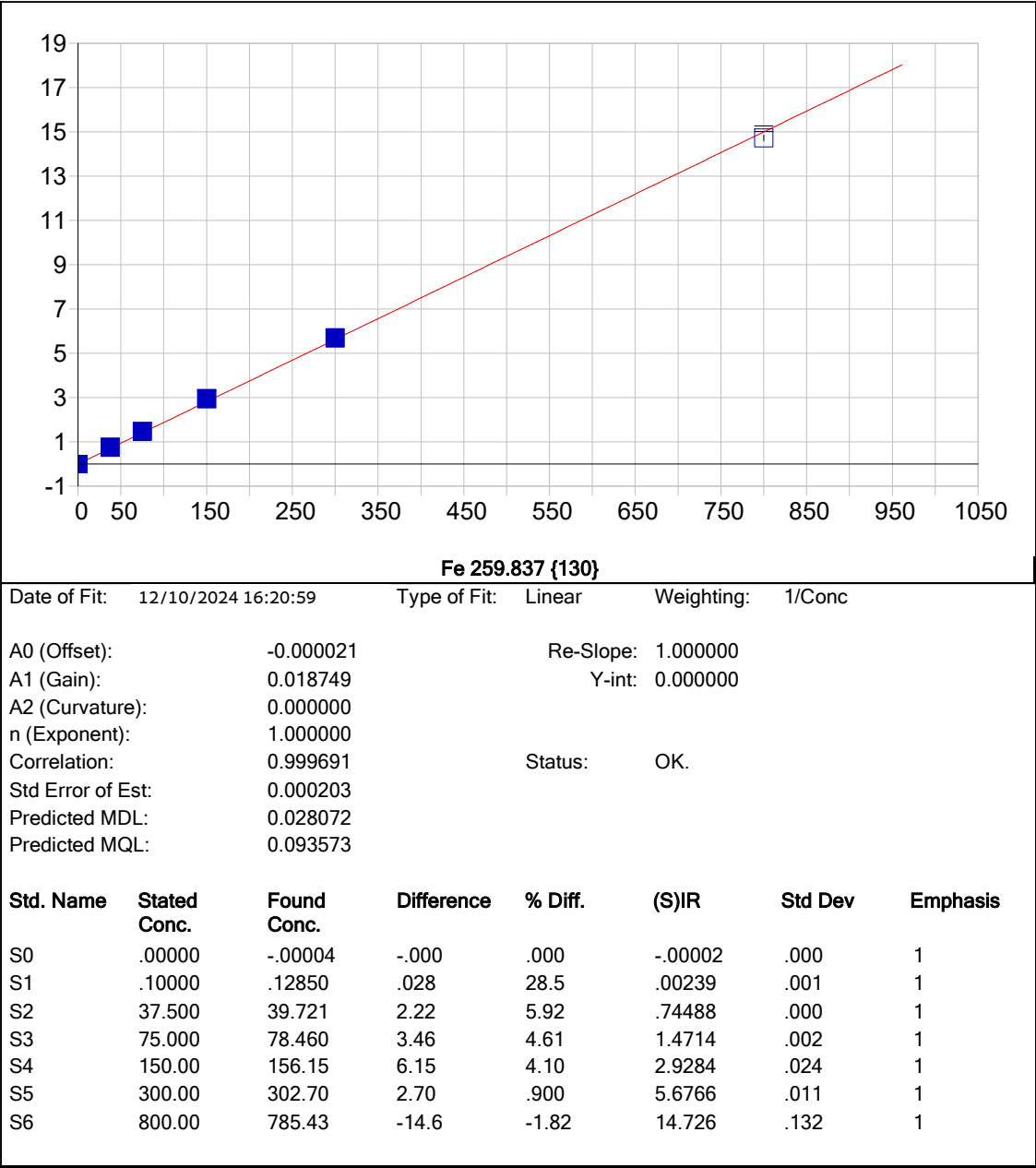


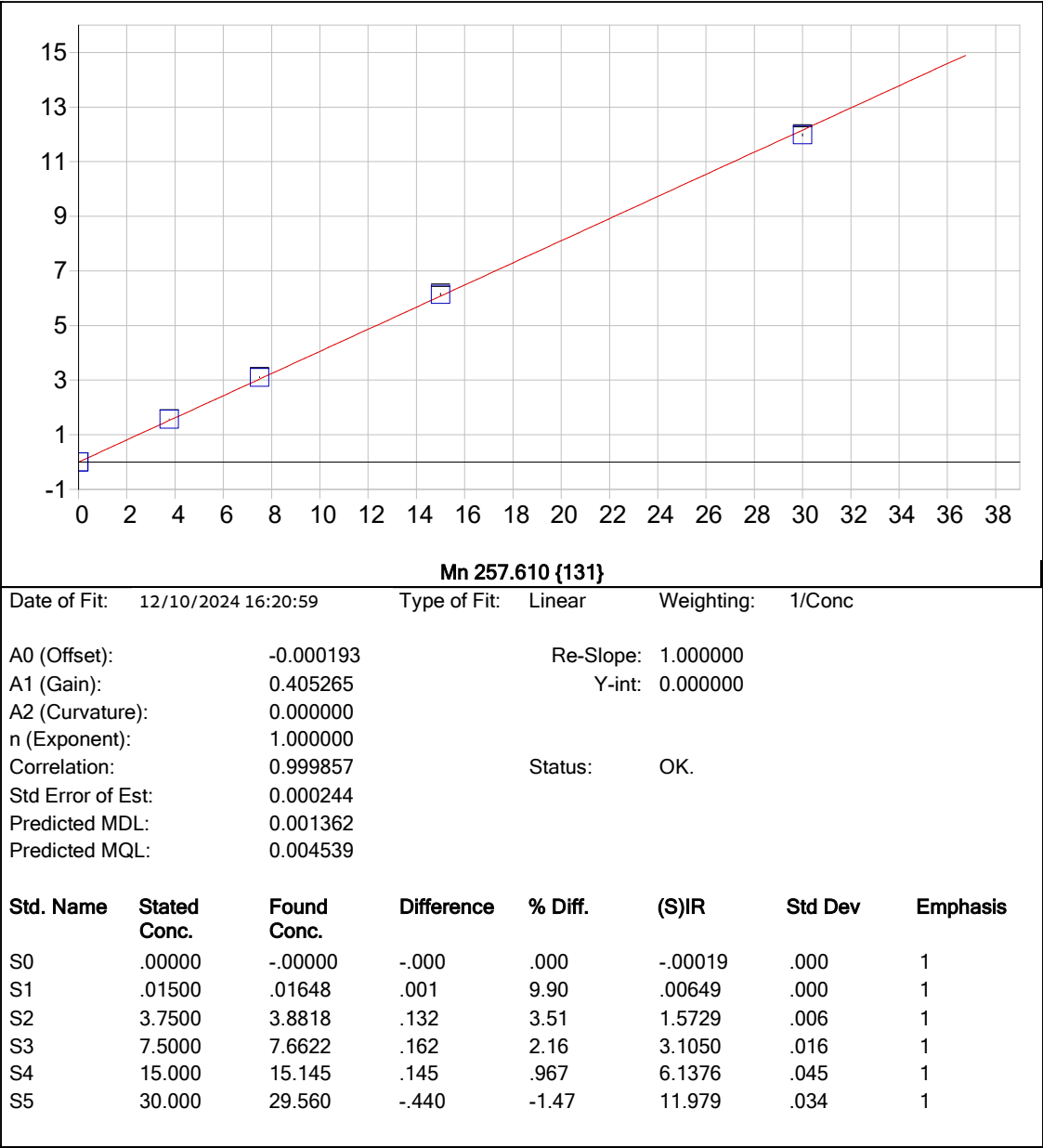


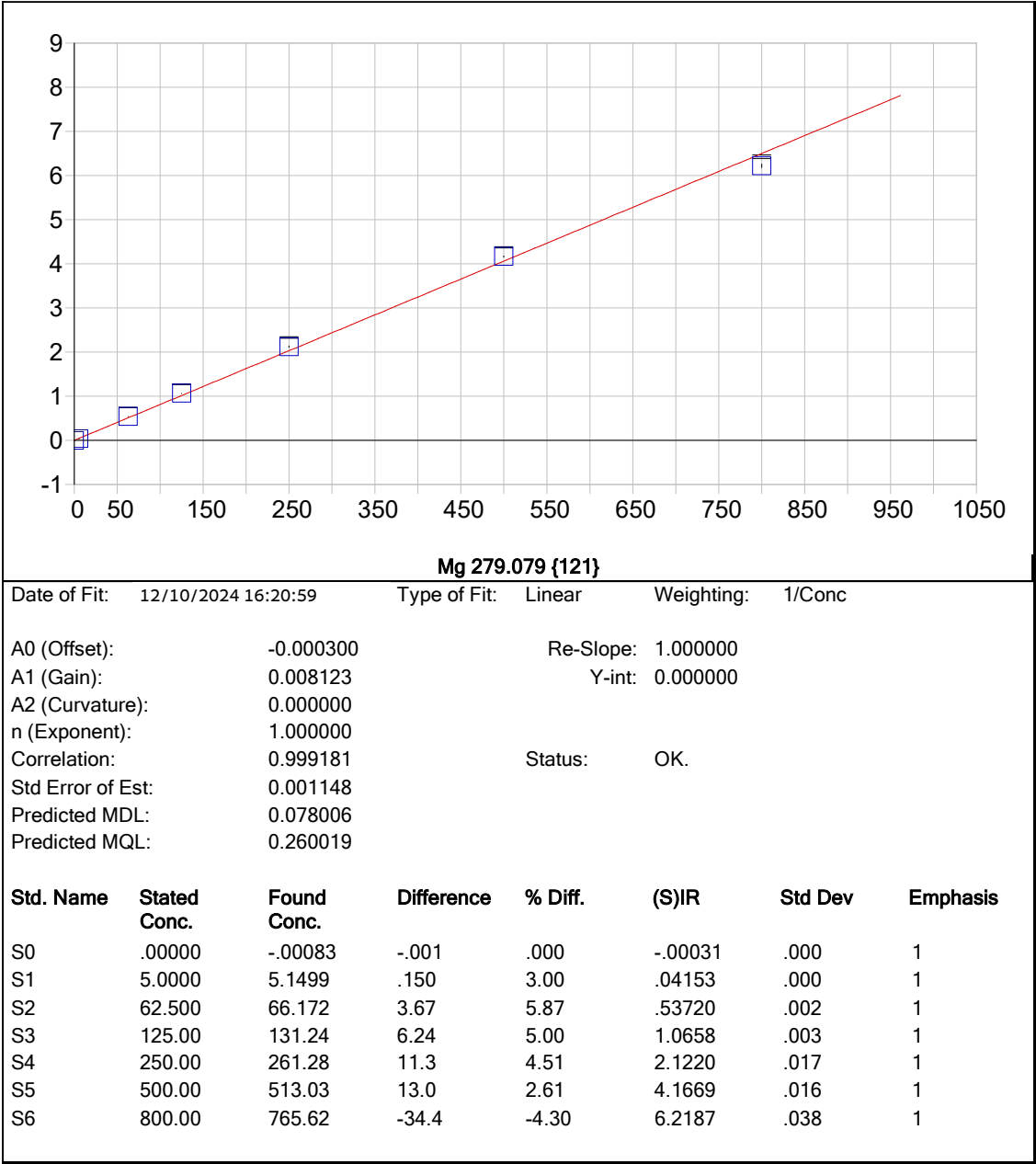


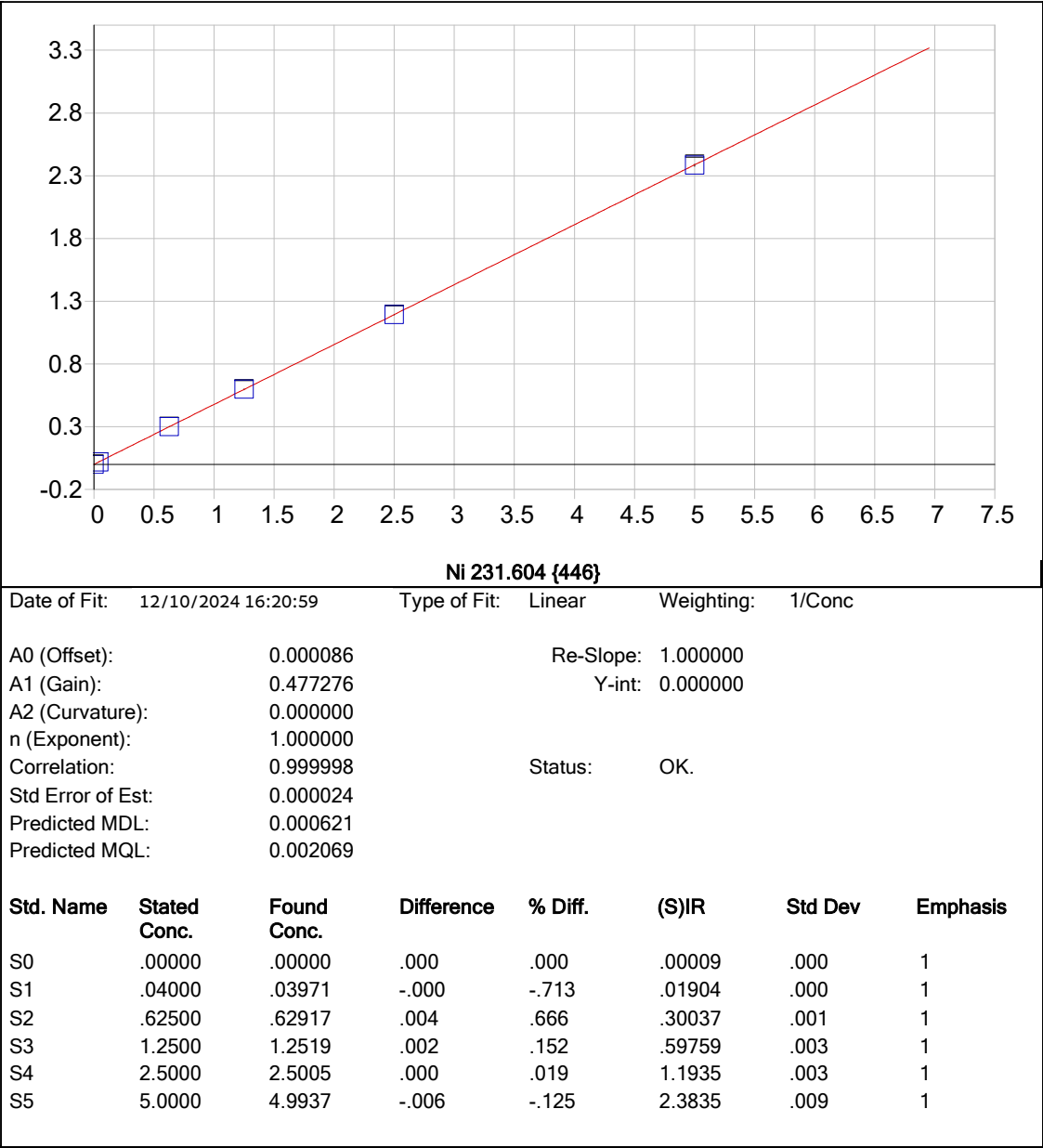


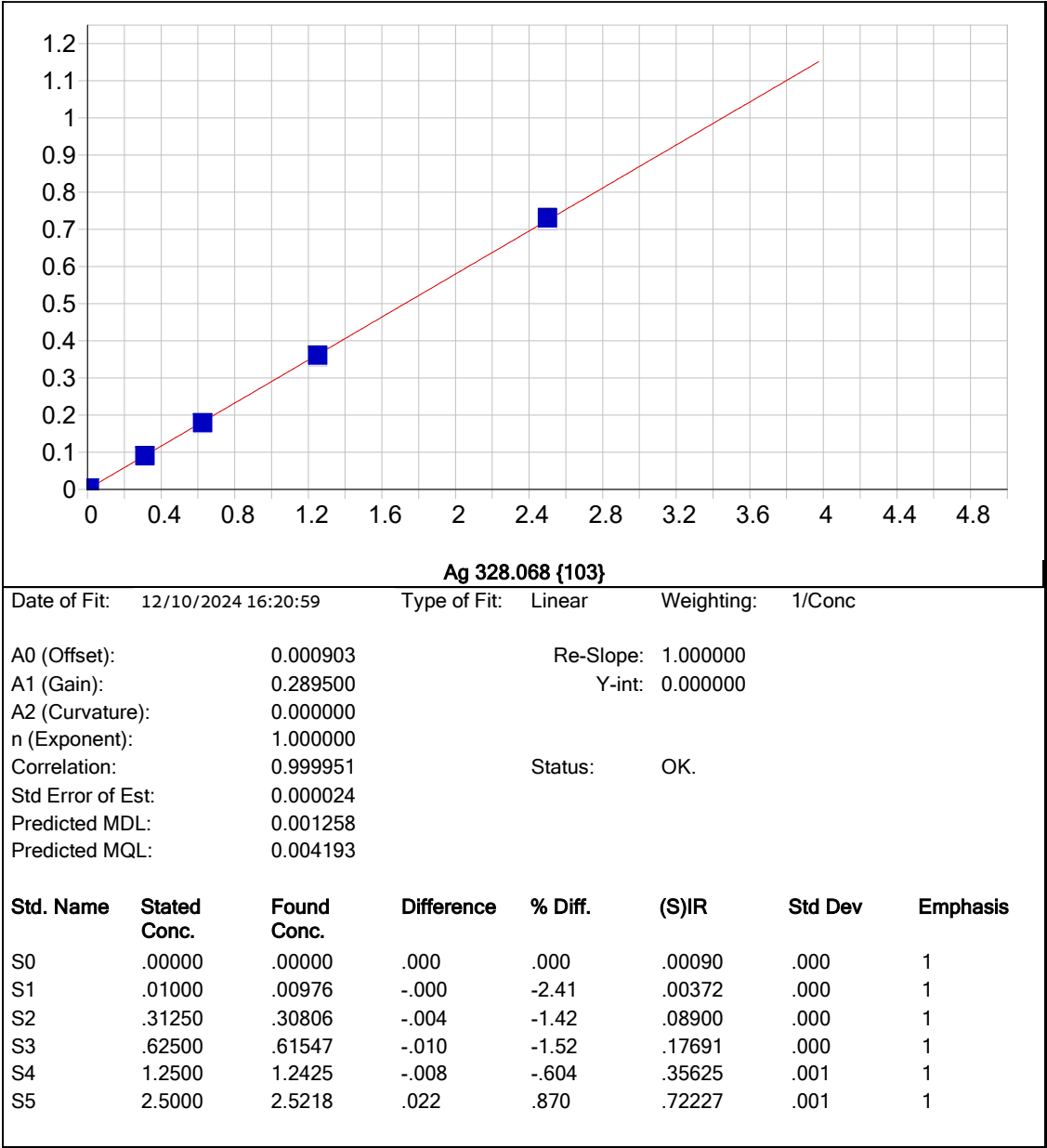




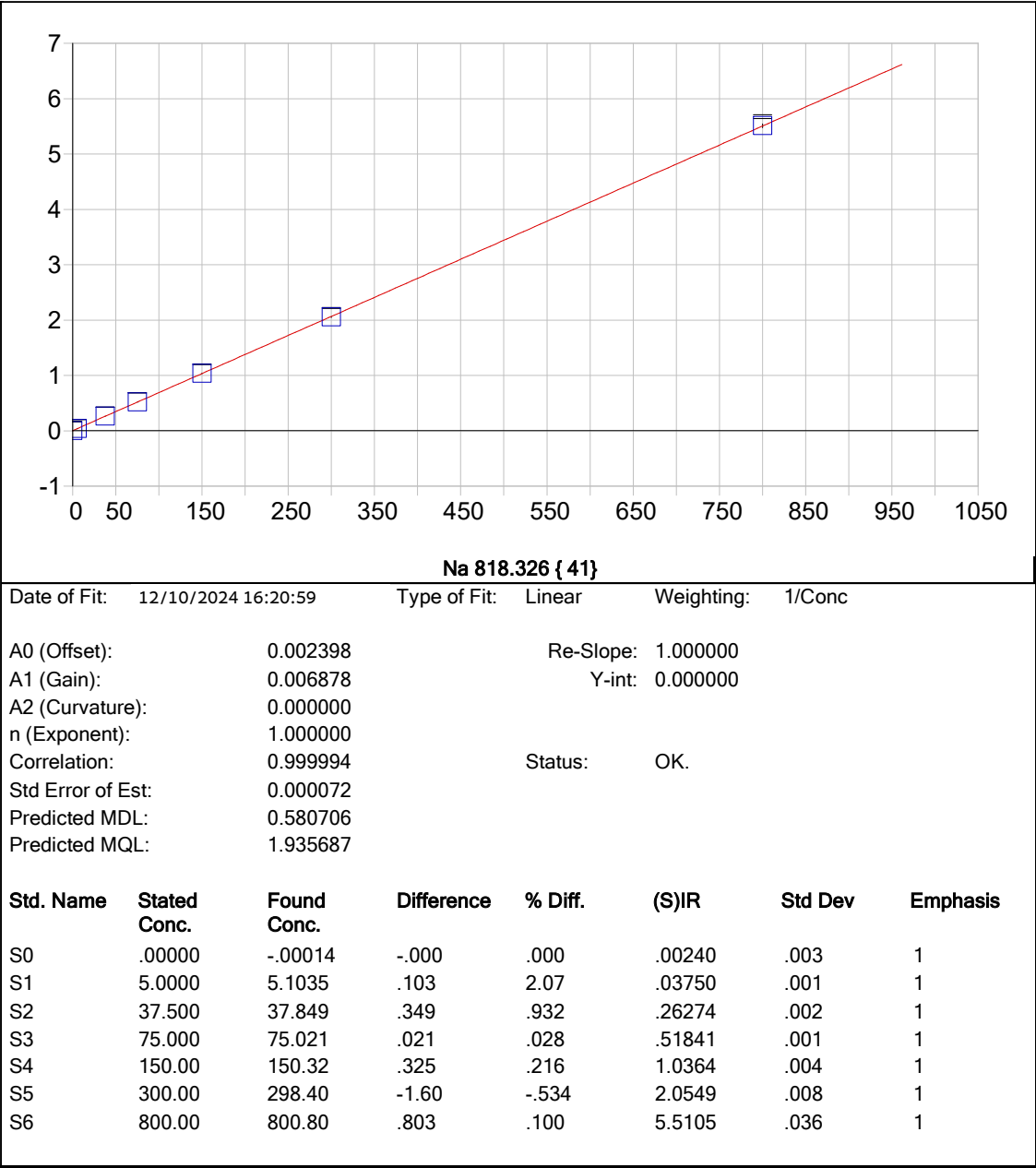


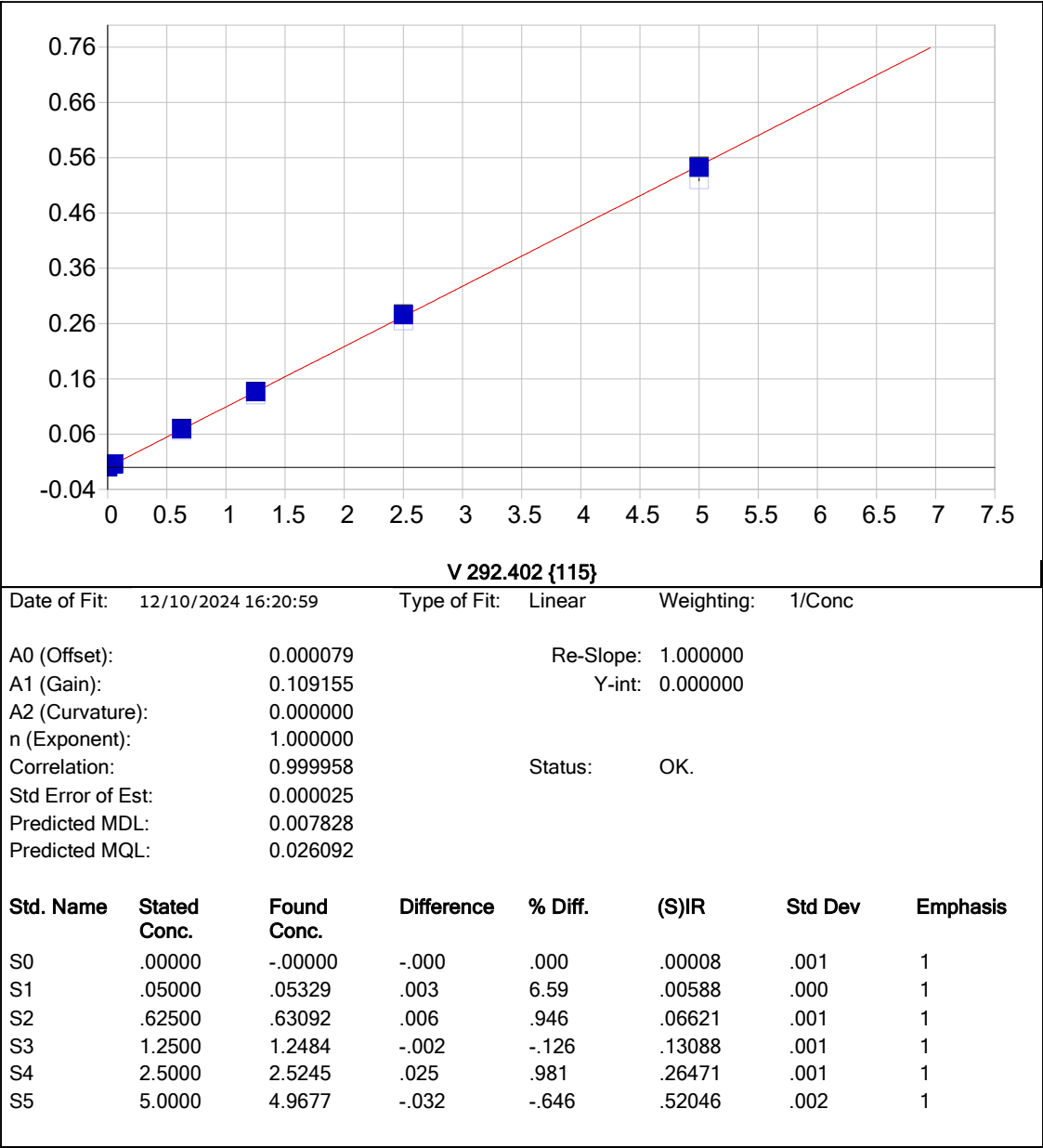


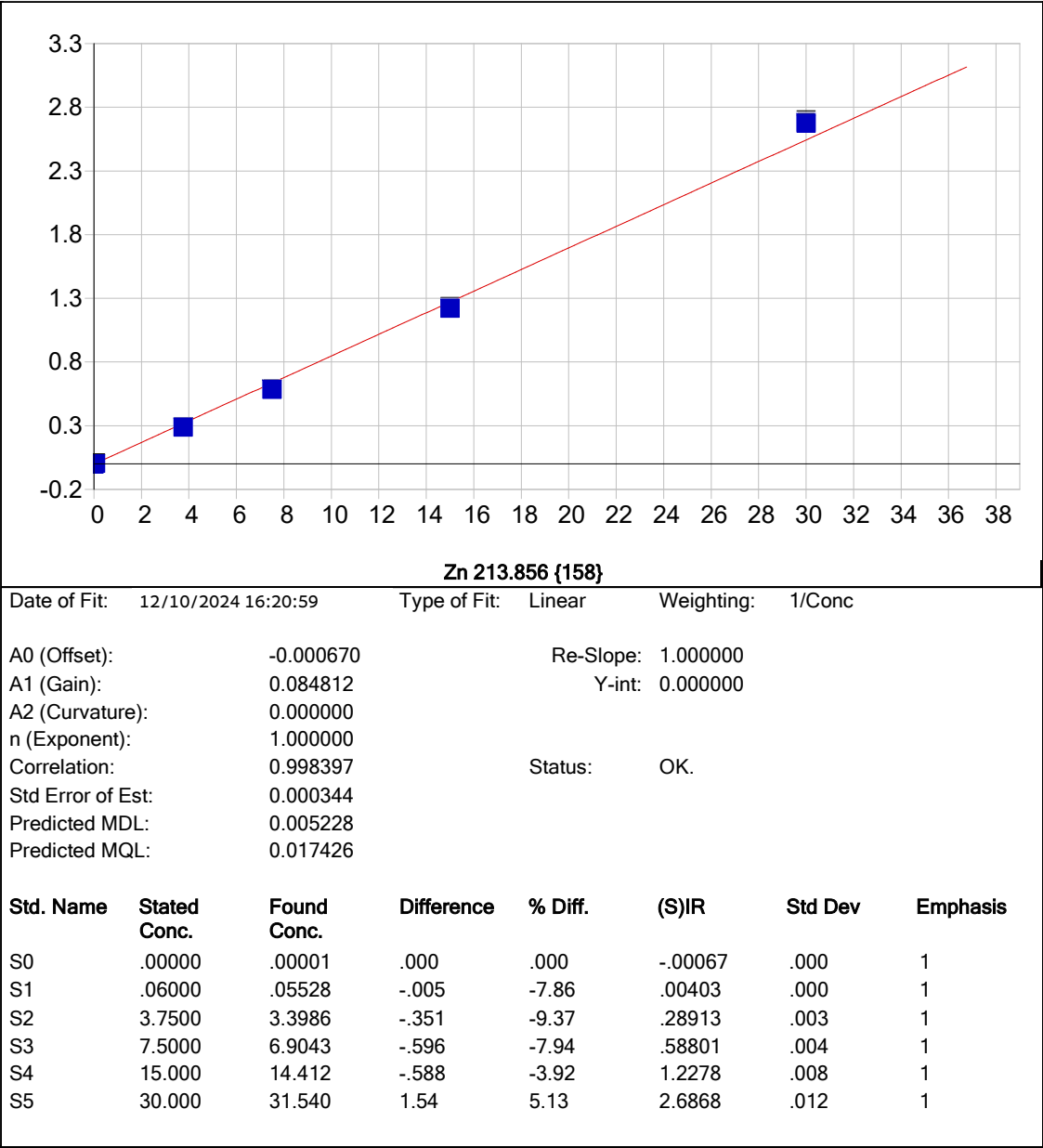


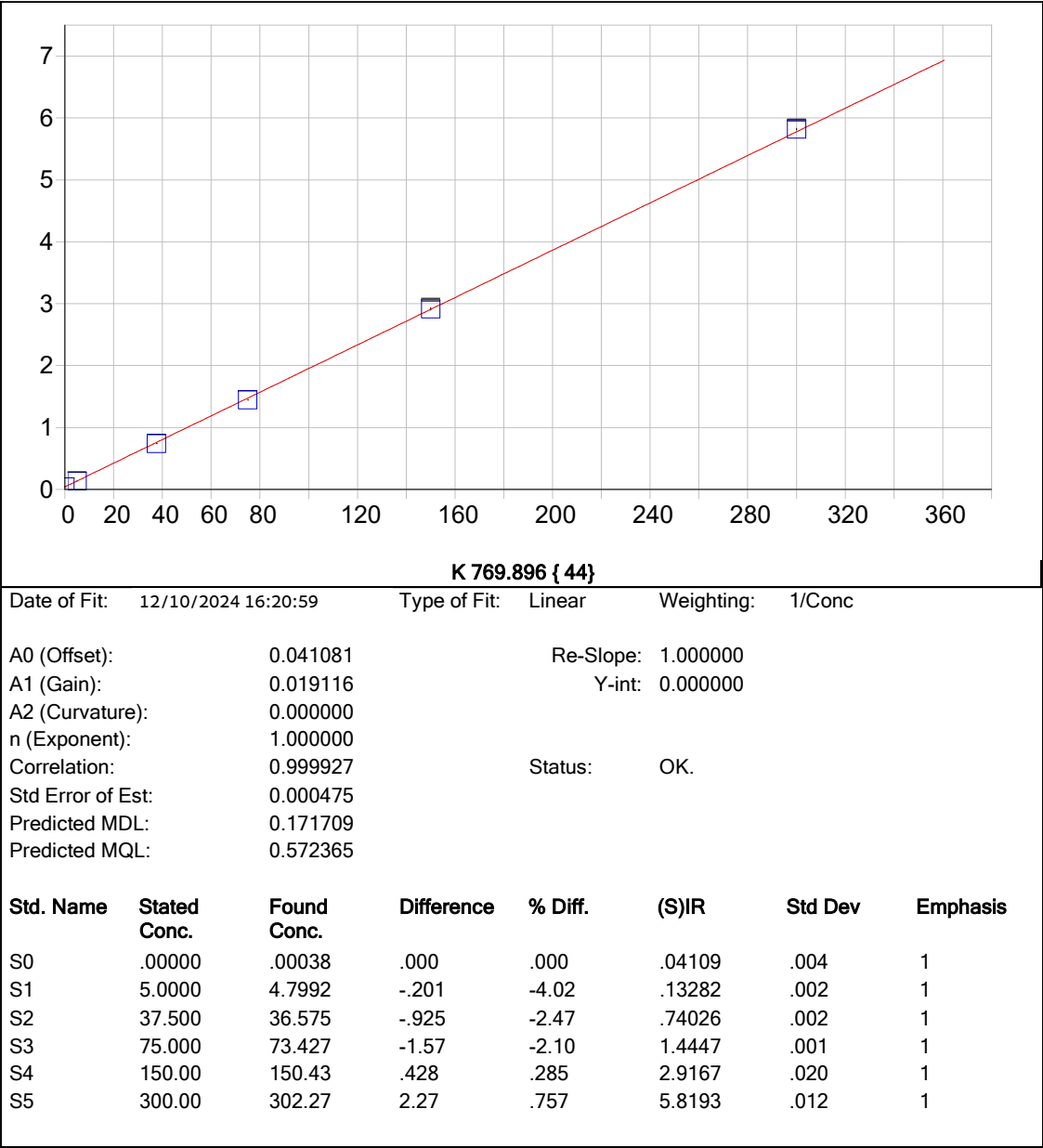


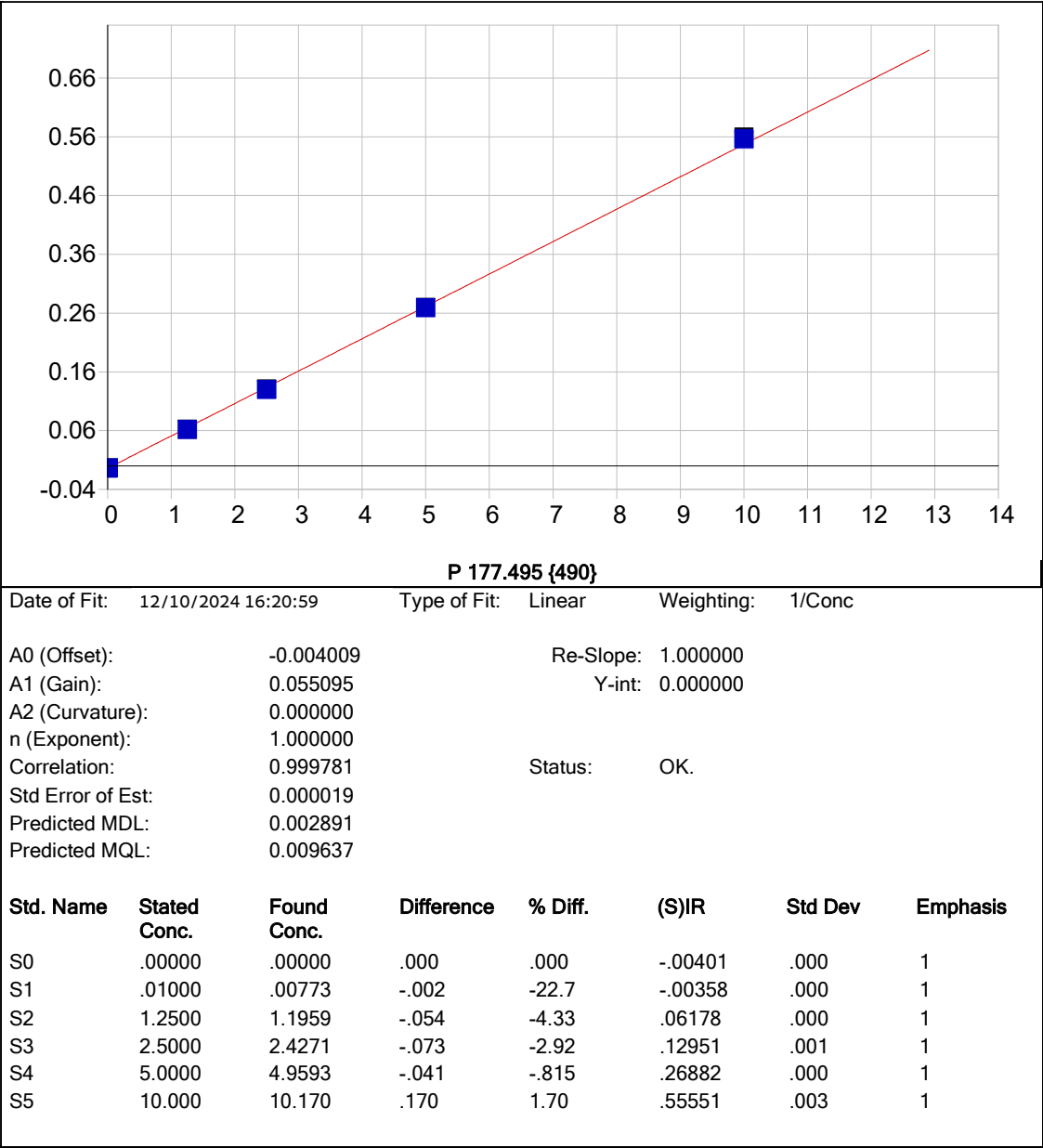


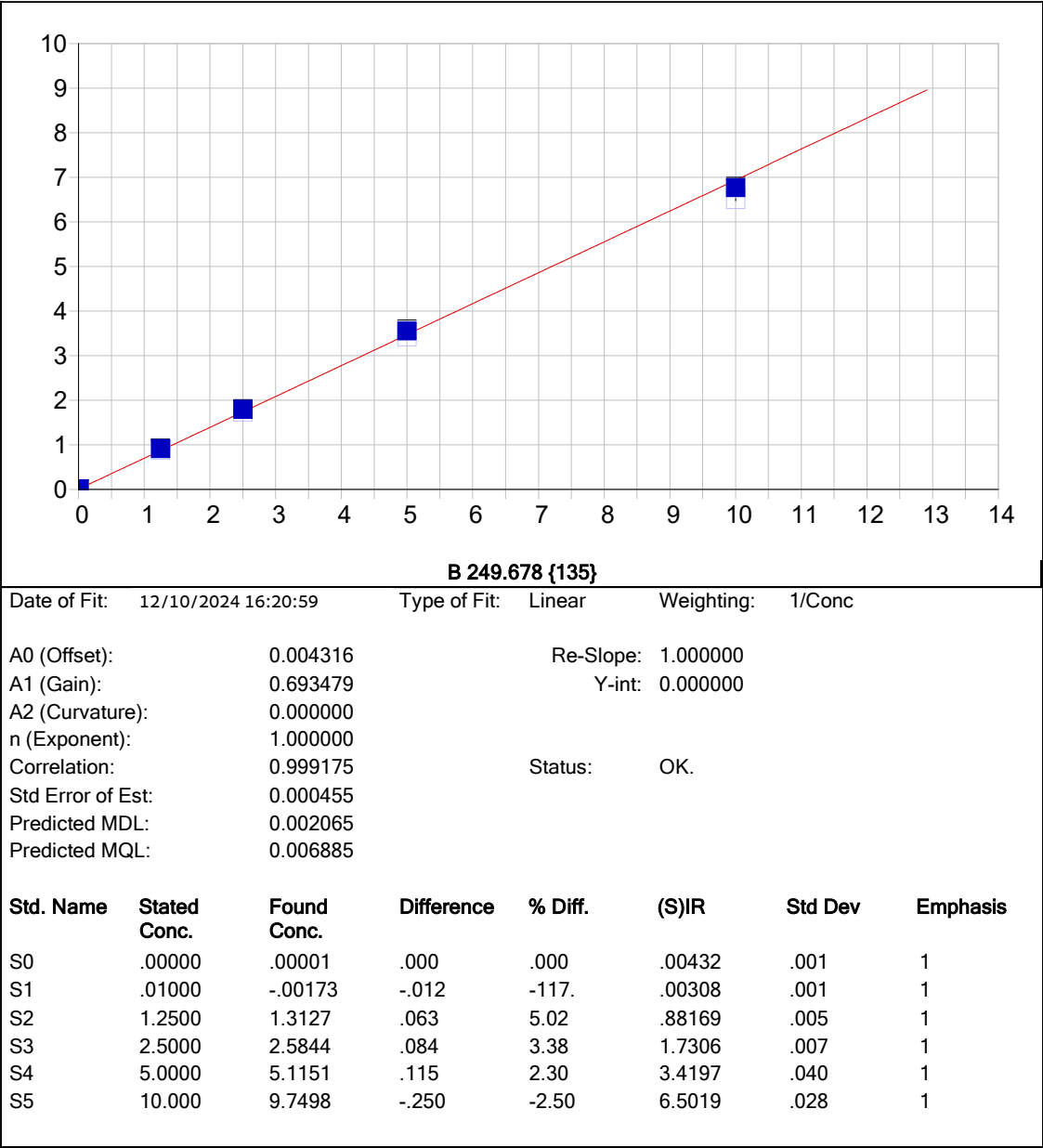


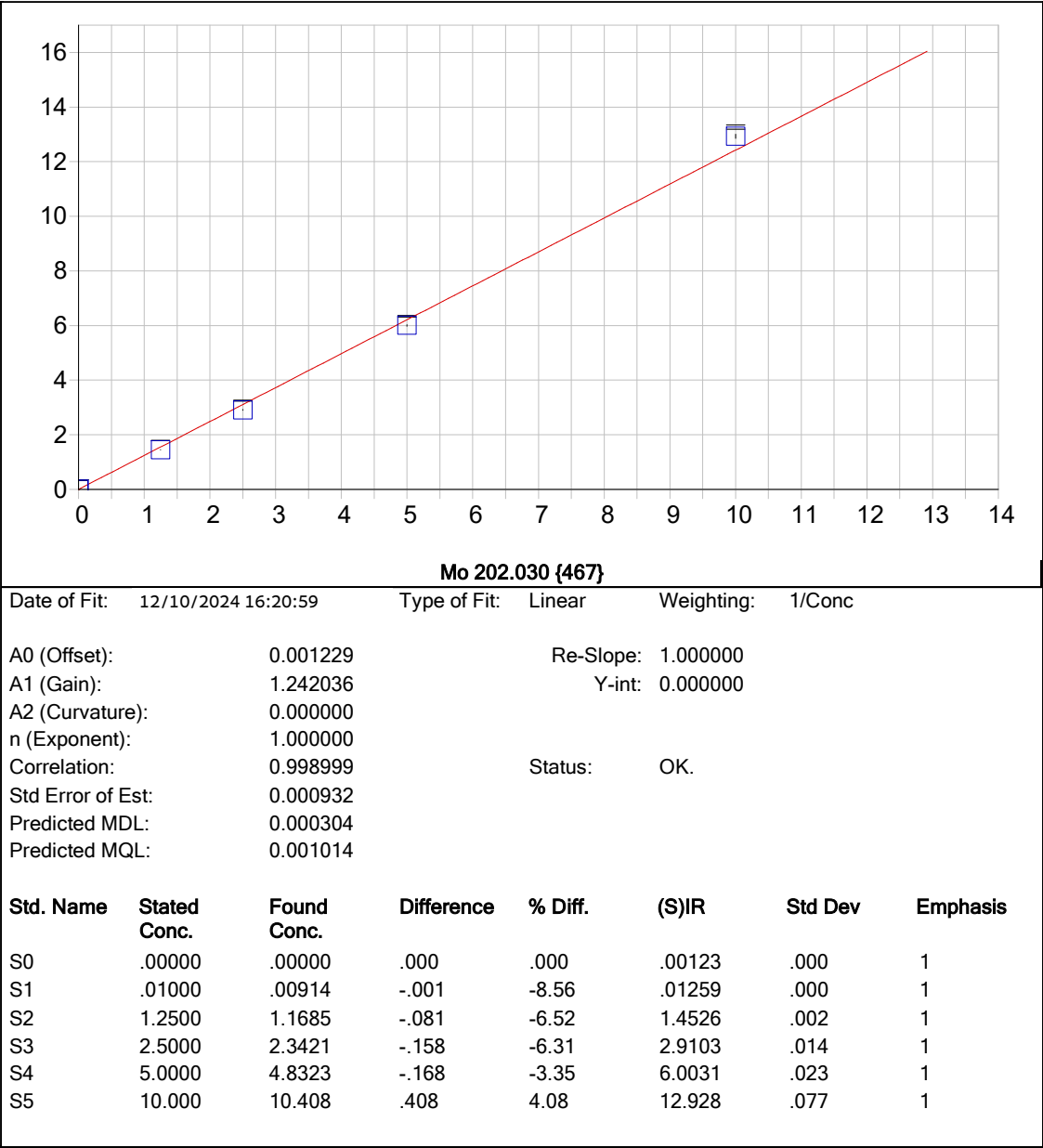


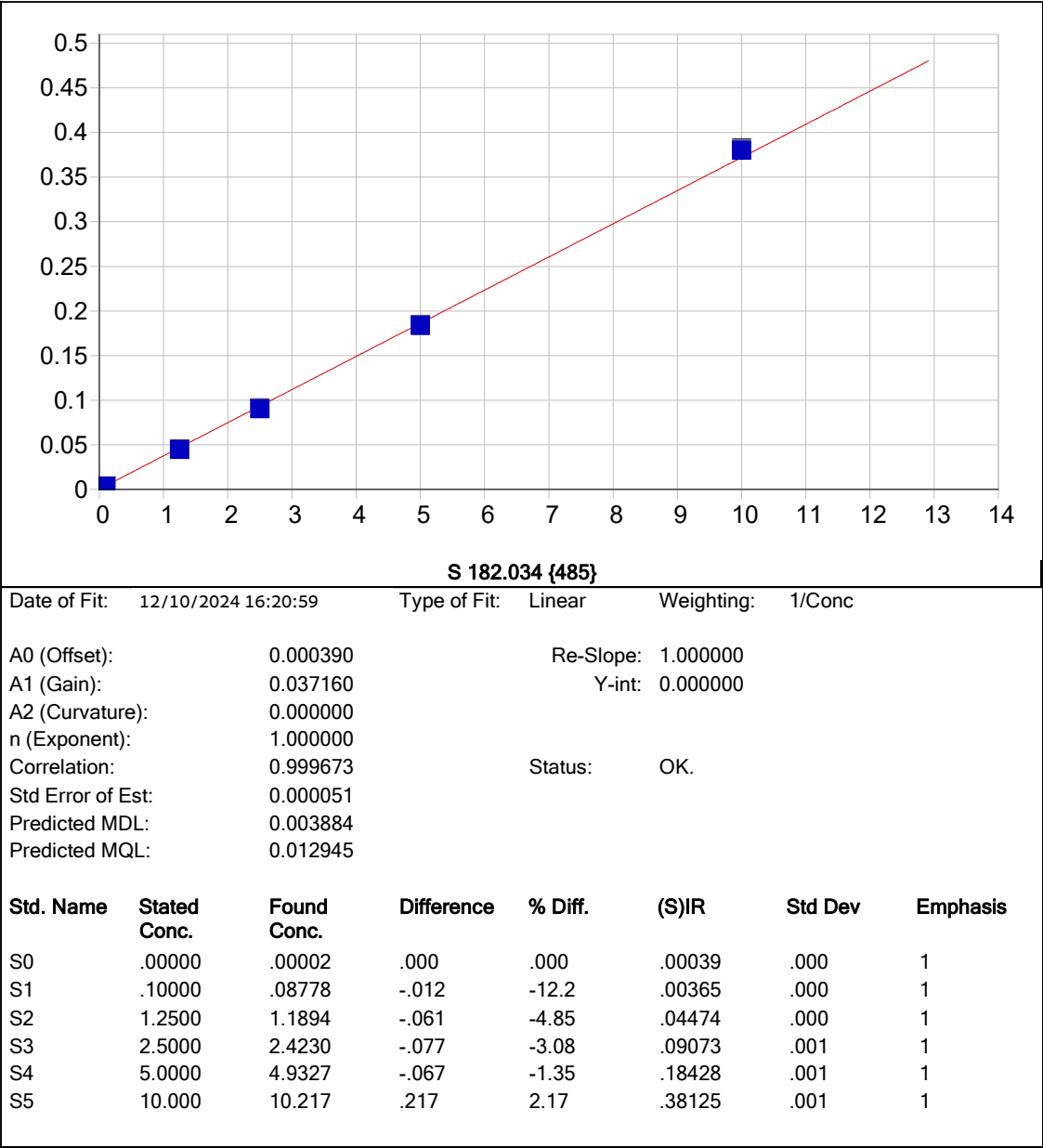




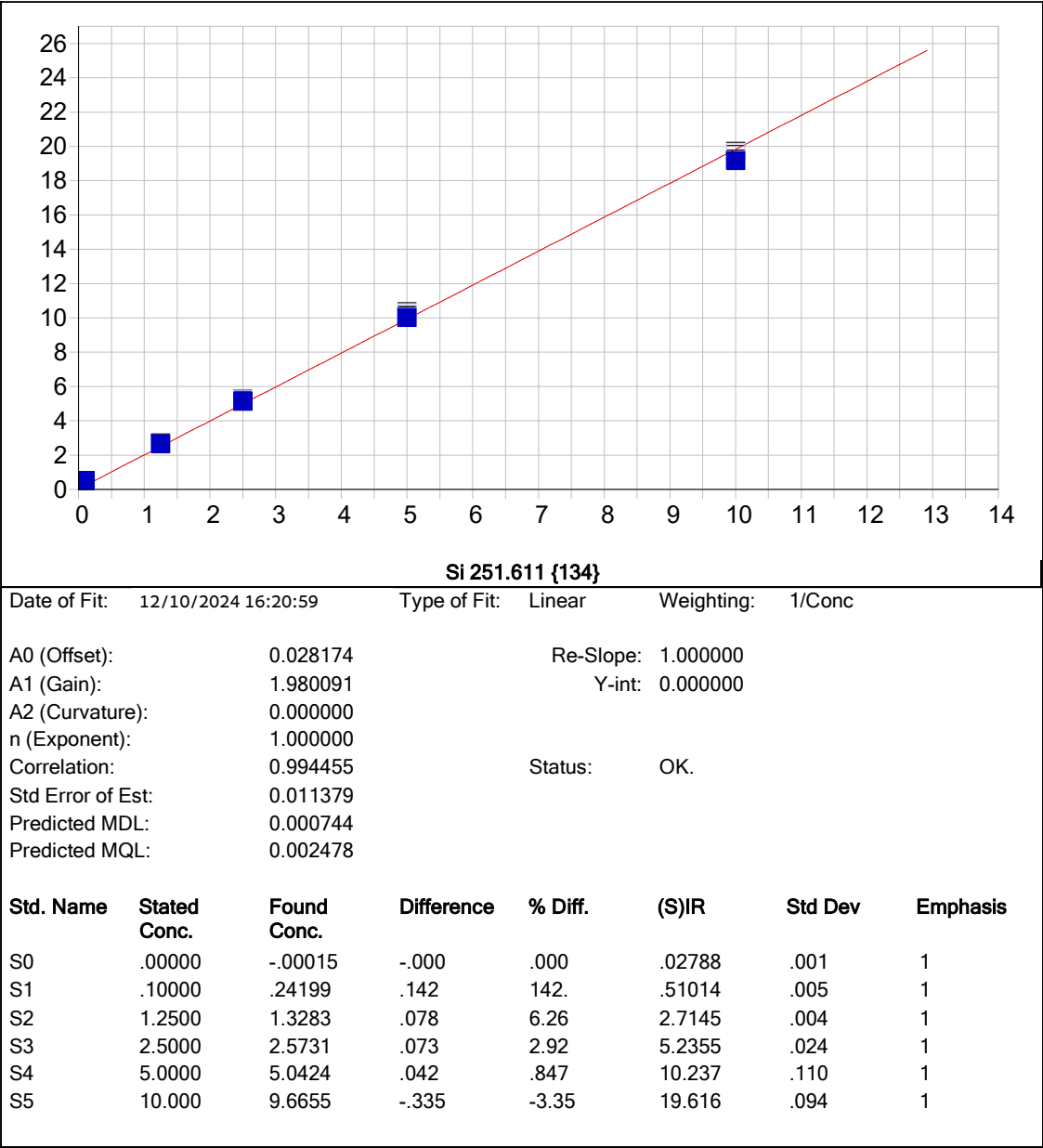


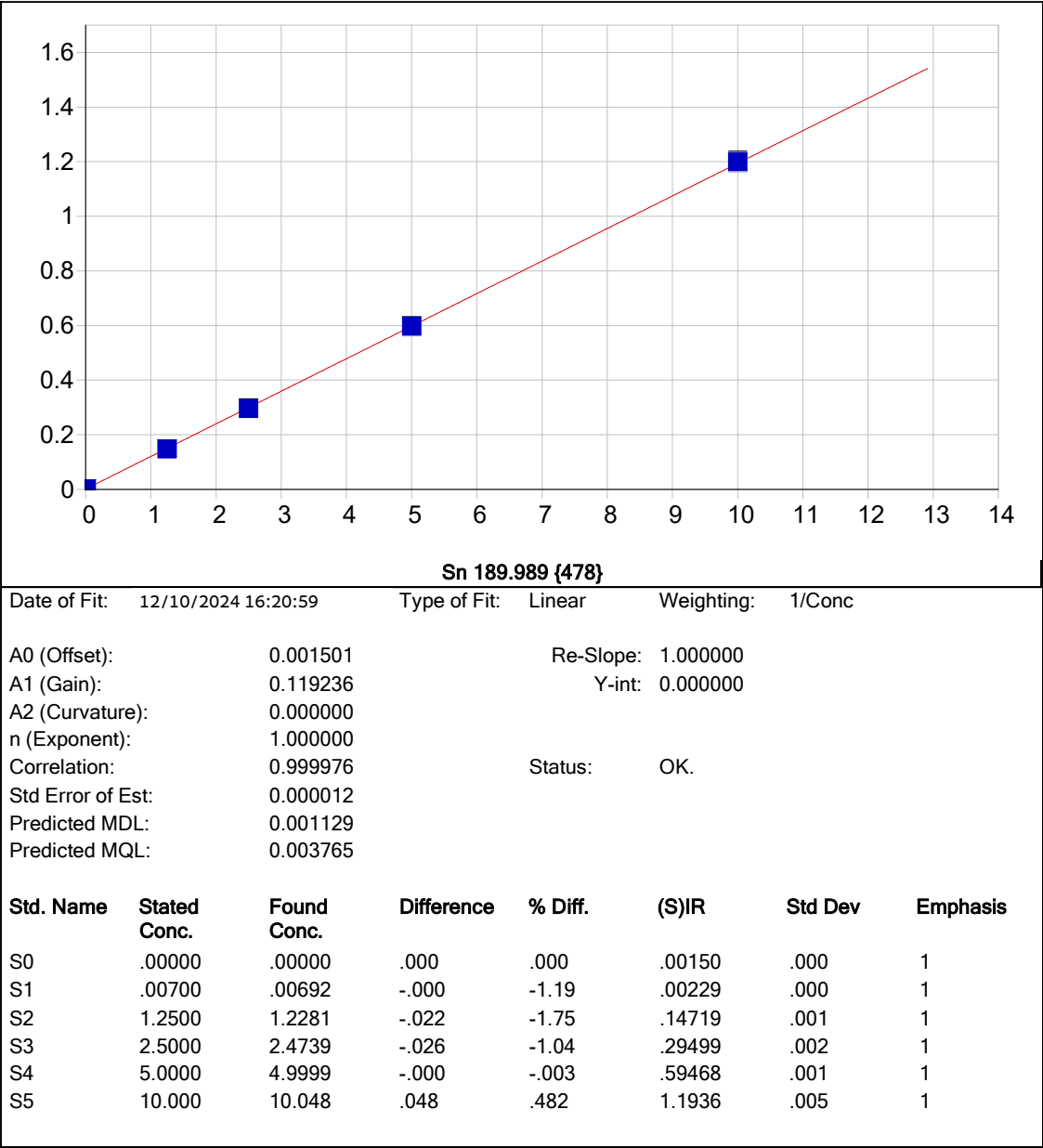


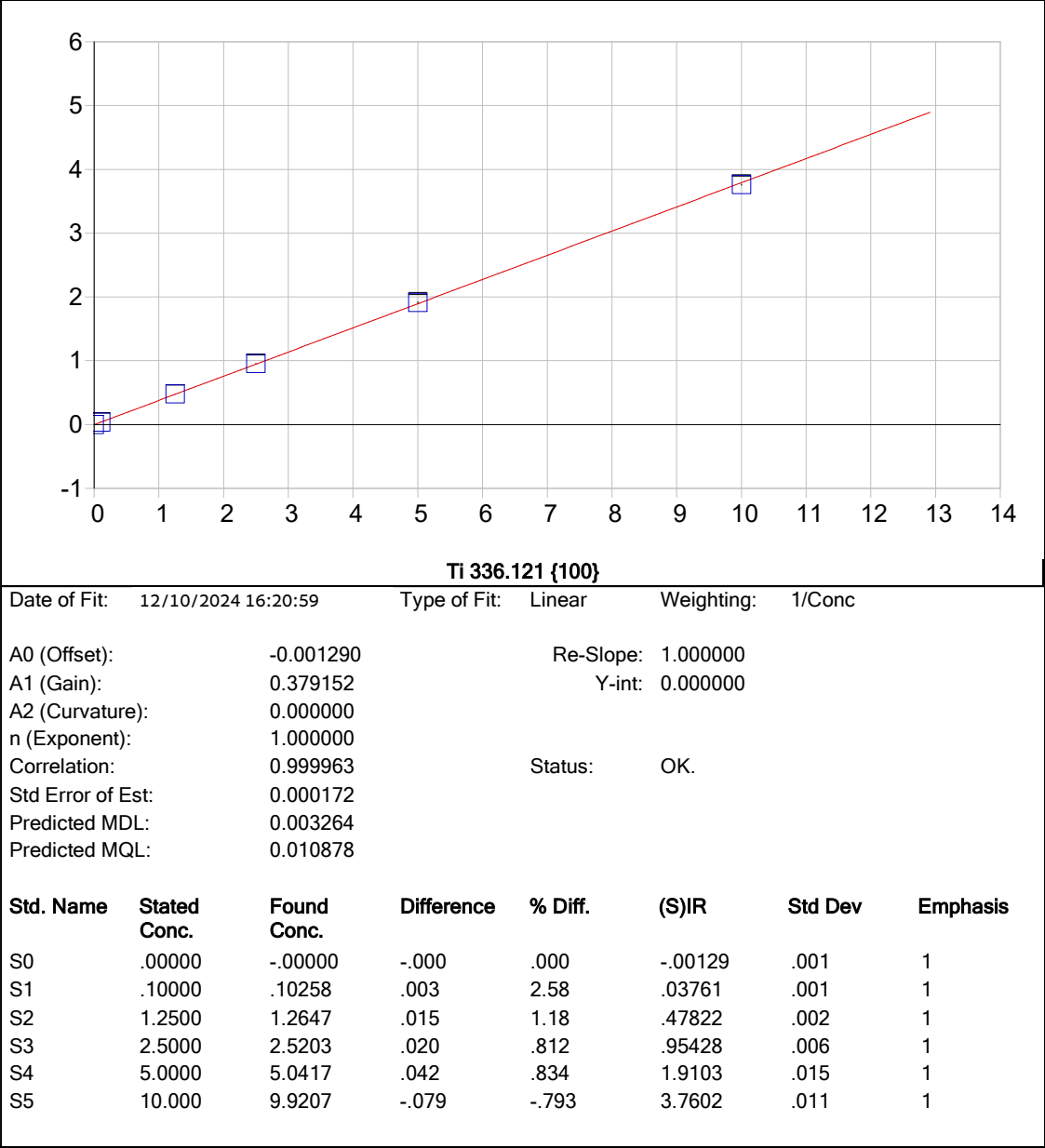


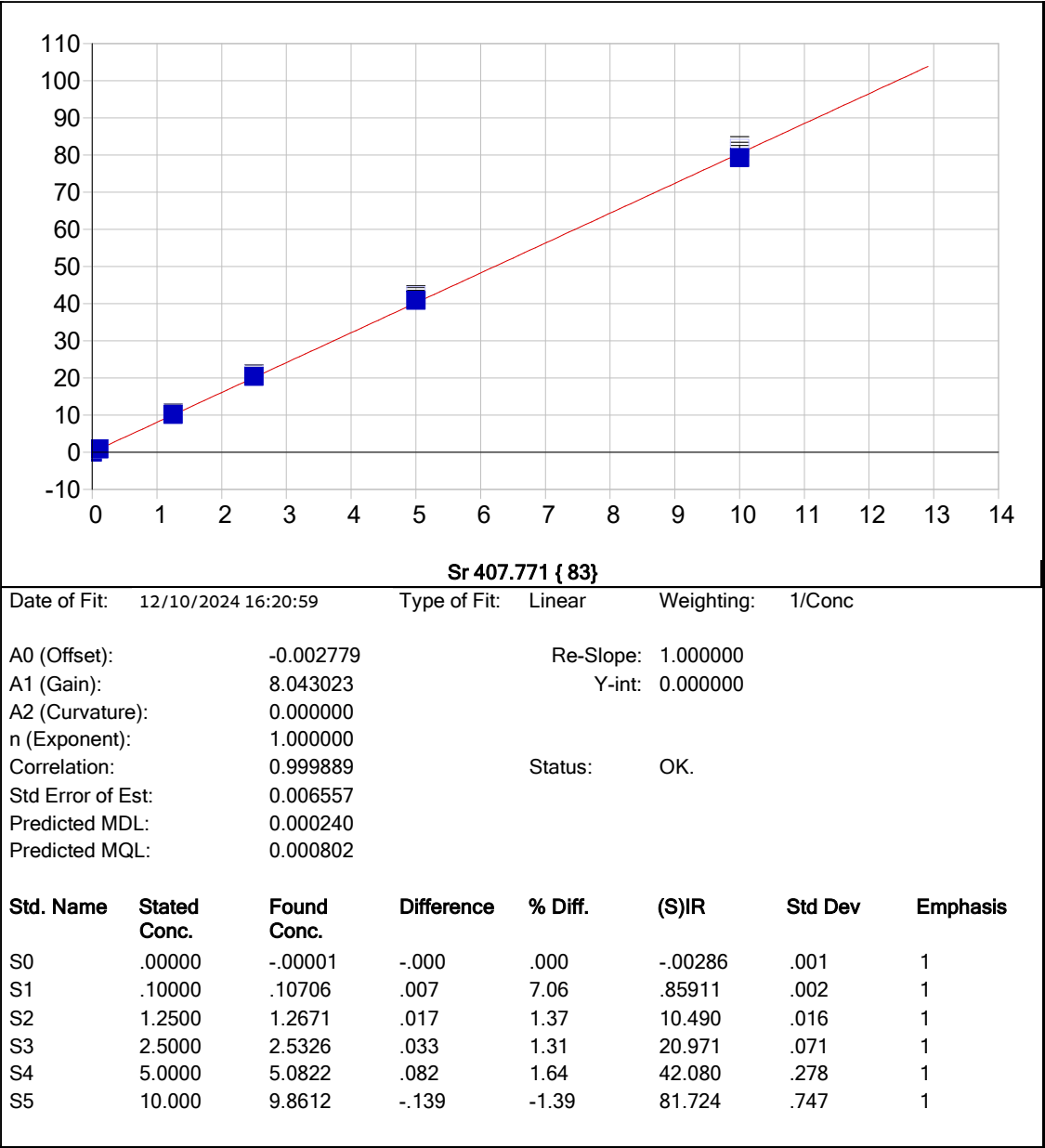














| Date of Fit:      | <not fit> | Type of Fit: | Linear    | Weighting: | 1/Conc    |
|-------------------|-----------|--------------|-----------|------------|-----------|
| A0 (Offset):      | 0.000000  |              | Re-Slope: | 1.000000   |           |
| A1 (Gain):        | 0.000000  |              | Y-int:    | 0.000000   |           |
| A2 (Curvature):   | 0.000000  |              |           |            |           |
| n (Exponent):     | 1.000000  |              |           |            |           |
| Correlation:      | 0.000000  |              | Status:   | Warning    | Zero Gain |
| Std Error of Est: | 0.000000  |              |           |            |           |
| Predicted MDL:    | n/a       |              |           |            |           |
| Predicted MQL:    | n/a       |              |           |            |           |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



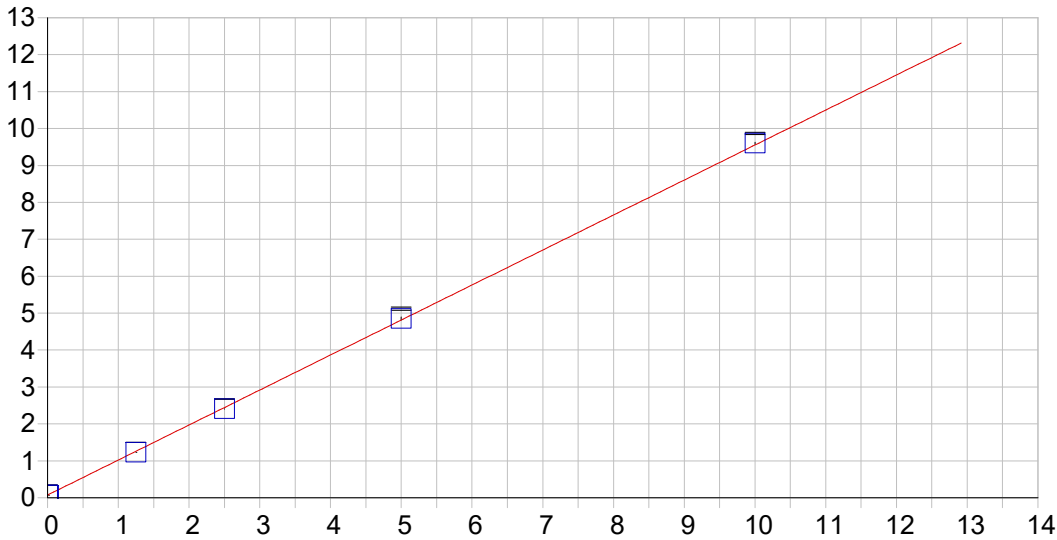
|              |           |           |              |        |            |        |
|--------------|-----------|-----------|--------------|--------|------------|--------|
| Date of Fit: | <not fit> |           | Type of Fit: | Linear | Weighting: | 1/Conc |
| A0 (Offset): | 0.000000  | Re-Slope: | 1.000000     |        |            |        |
| A1 (Gain):   | 0.000000  | Y-int:    | 0.000000     |        |            |        |





|                   |          |         |         |           |
|-------------------|----------|---------|---------|-----------|
| A2 (Curvature):   | 0.000000 | Status: | Warning | Zero Gain |
| n (Exponent):     | 1.000000 |         |         |           |
| Correlation:      | 0.000000 |         |         |           |
| Std Error of Est: | 0.000000 |         |         |           |
| Predicted MDL:    | n/a      |         |         |           |
| Predicted MQL:    | n/a      |         |         |           |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|-------|---------|----------|
|-----------|--------------|-------------|------------|---------|-------|---------|----------|



Li 670.784 { 50}

|                   |                     |              |          |            |        |
|-------------------|---------------------|--------------|----------|------------|--------|
| Date of Fit:      | 12/10/2024 16:20:59 | Type of Fit: | Linear   | Weighting: | 1/Conc |
| A0 (Offset):      | 0.074011            | Re-Slope:    | 1.000000 |            |        |
| A1 (Gain):        | 0.947867            | Y-int:       | 0.000000 |            |        |
| A2 (Curvature):   | 0.000000            |              |          |            |        |
| n (Exponent):     | 1.000000            |              |          |            |        |
| Correlation:      | 0.999335            | Status:      | OK.      |            |        |
| Std Error of Est: | 0.000710            |              |          |            |        |
| Predicted MDL:    | 0.004213            |              |          |            |        |
| Predicted MQL:    | 0.014042            |              |          |            |        |

| Std. Name | Stated Conc. | Found Conc. | Difference | % Diff. | (S)IR  | Std Dev | Emphasis |
|-----------|--------------|-------------|------------|---------|--------|---------|----------|
| S0        | .00000       | .00002      | .000       | .000    | .07403 | .002    | 1        |
| S5        | 10.000       | 10.050      | .050       | .495    | 9.5996 | .030    | 1        |
| S4        | 5.0000       | 5.0395      | .039       | .790    | 4.8508 | .044    | 1        |
| S3        | 2.5000       | 2.4592      | -.041      | -1.63   | 2.4050 | .006    | 1        |
| S2        | 1.2500       | 1.2203      | -.030      | -2.38   | 1.2307 | .003    | 1        |
| S1        | .01500       | -.00358     | -.019      | -124.   | .07062 | .003    | 1        |



Sample Name: S0      Acquired: 12/10/2024 15:54:09      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S0      Custom ID2:      Custom ID3:  
Comment:

|        |         |         |         |         |         |         |         |         |
|--------|---------|---------|---------|---------|---------|---------|---------|---------|
| Elem   | As1890  | Tl1908  | Pb2203  | Se1960  | Sb2068  | Al3961  | Ba4934  | Be2348  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | .48326  | -.00019 | .00047  | -.00021 | .00020  | -.00038 | .06088  | .00266  |
| Stddev | .48277  | .00012  | .00024  | .00028  | .00037  | .00120  | .00124  | .00106  |
| %RSD   | 99.900  | 64.400  | 49.878  | 130.58  | 187.84  | 318.94  | 2.0368  | 39.736  |
| #1     | .38681  | -.00021 | .00071  | -.00048 | .00061  | .00062  | .05993  | .00380  |
| #2     | .05599  | -.00029 | .00048  | .00007  | .00009  | -.00171 | .06229  | .00244  |
| #3     | 1.0070  | -.00006 | .00023  | -.00023 | -.00011 | -.00004 | .06043  | .00172  |
| Elem   | Cd2144  | Ca3736  | Cr2677  | Co2286  | Cu3247  | Fe2598  | Mn2576  | Mg2790  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | .00013  | .00347  | .00041  | -.00017 | .00146  | -.00002 | -.00019 | -.00031 |
| Stddev | .00004  | .00211  | .00005  | .00005  | .00053  | .00029  | .00035  | .00033  |
| %RSD   | 29.144  | 60.717  | 12.041  | 32.963  | 36.015  | 1320.0  | 179.14  | 106.80  |
| #1     | .00010  | .00527  | .00044  | -.00014 | .00200  | -.00019 | .00020  | -.00024 |
| #2     | .00012  | .00399  | .00043  | -.00013 | .00144  | .00031  | -.00030 | -.00066 |
| #3     | .00017  | .00115  | .00035  | -.00023 | .00095  | -.00019 | -.00047 | -.00002 |
| Elem   | Ni2316  | Ag3280  | Na8183  | V_2924  | Zn2138  | K_7698  | P_1774  | B_2496  |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |
| Avg    | .00009  | .00090  | .00240  | .00008  | -.00067 | .04109  | -.00401 | .00432  |
| Stddev | .00026  | .00046  | .00347  | .00115  | .00037  | .00357  | .00011  | .00056  |
| %RSD   | 302.14  | 50.599  | 144.62  | 1459.4  | 55.189  | 8.6945  | 2.6506  | 13.011  |
| #1     | .00036  | .00132  | -.00155 | -.00055 | -.00088 | .04230  | -.00392 | .00368  |
| #2     | -.00015 | .00098  | .00493  | -.00062 | -.00024 | .03707  | -.00397 | .00472  |
| #3     | .00005  | .00041  | .00382  | .00140  | -.00089 | .04390  | -.00413 | .00457  |
| Elem   | Mo2020  | S_1820  | Si2516  | Sn1899  | Ti3361  | Sr4077  | Li6707  |         |
| Units  | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   | Cts/S   |         |
| Avg    | .00123  | .00039  | .02788  | .00150  | -.00129 | -.00286 | .07403  |         |
| Stddev | .00019  | .00008  | .00068  | .00006  | .00111  | .00129  | .00194  |         |
| %RSD   | 15.534  | 20.405  | 2.4366  | 3.6675  | 85.967  | 45.259  | 2.6201  |         |
| #1     | .00131  | .00031  | .02713  | .00152  | -.00255 | -.00429 | .07305  |         |
| #2     | .00101  | .00047  | .02846  | .00155  | -.00045 | -.00176 | .07626  |         |
| #3     | .00137  | .00039  | .02805  | .00144  | -.00087 | -.00253 | .07277  |         |

Sample Name: S0      Acquired: 12/10/2024 15:54:09      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S0      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2501.2 | 27528. | 2637.3 | 1949.0 | 3933.2 |
| Stddev    | 5.6    | 17.    | 19.6   | 5.3    | 9.5    |
| %RSD      | .22584 | .06235 | .74159 | .27279 | .24266 |
| #1        | 2496.9 | 27508. | 2618.9 | 1953.3 | 3922.4 |
| #2        | 2507.6 | 27536. | 2635.0 | 1950.7 | 3940.4 |
| #3        | 2499.0 | 27539. | 2657.9 | 1943.1 | 3936.9 |

Sample Name: S1      Acquired: 12/10/2024 15:58:14      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |         |        |
|--------|--------|--------|--------|--------|--------|--------|---------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934  | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  |
| Avg    | 2.5670 | .00191 | .00210 | .00226 | .00916 | .02041 | .75072  | .06379 |
| Stddev | .1280  | .00017 | .00063 | .00039 | .00015 | .00122 | .00372  | .00063 |
| %RSD   | 4.9858 | 8.6499 | 30.037 | 17.181 | 1.6841 | 5.9959 | .49558  | .99493 |
| #1     | 2.4793 | .00184 | .00160 | .00271 | .00902 | .02031 | .75343  | .06448 |
| #2     | 2.5077 | .00210 | .00281 | .00202 | .00933 | .02168 | .74648  | .06365 |
| #3     | 2.7138 | .00179 | .00189 | .00205 | .00913 | .01924 | .75225  | .06323 |
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576  | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  |
| Avg    | .01439 | .25520 | .00361 | .04107 | .00536 | .00239 | .00649  | .04153 |
| Stddev | .00027 | .00157 | .00014 | .00027 | .00083 | .00071 | .00023  | .00040 |
| %RSD   | 1.8423 | .61360 | 3.8699 | .66256 | 15.416 | 29.757 | 3.5387  | .96761 |
| #1     | .01413 | .25359 | .00377 | .04110 | .00575 | .00278 | .00673  | .04199 |
| #2     | .01439 | .25529 | .00351 | .04078 | .00592 | .00157 | .00645  | .04127 |
| #3     | .01466 | .25672 | .00354 | .04132 | .00441 | .00282 | .00628  | .04132 |
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774  | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   | Cts/S  |
| Avg    | .01904 | .00372 | .03750 | .00588 | .00403 | .13282 | -.00358 | .00308 |
| Stddev | .00019 | .00028 | .00072 | .00036 | .00035 | .00192 | .00007  | .00099 |
| %RSD   | 1.0178 | 7.4286 | 1.9223 | 6.1928 | 8.7031 | 1.4425 | 2.0718  | 32.208 |
| #1     | .01926 | .00400 | .03793 | .00593 | .00443 | .13153 | -.00350 | .00370 |
| #2     | .01894 | .00344 | .03667 | .00622 | .00391 | .13191 | -.00359 | .00194 |
| #3     | .01892 | .00373 | .03790 | .00549 | .00376 | .13502 | -.00365 | .00360 |
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Sr4077 | Li6707  |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S   |        |
| Avg    | .01259 | .00365 | .51014 | .00229 | .03761 | .85911 | .07062  |        |
| Stddev | .00010 | .00009 | .00508 | .00002 | .00105 | .00190 | .00269  |        |
| %RSD   | .75885 | 2.4433 | .99499 | 1.0777 | 2.8035 | .22084 | 3.8144  |        |
| #1     | .01260 | .00355 | .51113 | .00228 | .03858 | .85694 | .07035  |        |
| #2     | .01267 | .00373 | .51465 | .00232 | .03649 | .85993 | .07343  |        |
| #3     | .01248 | .00367 | .50465 | .00227 | .03774 | .86046 | .06806  |        |

Sample Name: S1      Acquired: 12/10/2024 15:58:14      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S01      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2509.7 | 27575. | 2653.6 | 1962.1 | 3927.2 |
| Stddev    | .9     | 123.   | 7.4    | 4.7    | 1.0    |
| %RSD      | .03740 | .44685 | .27852 | .23940 | .02493 |
| #1        | 2509.9 | 27674. | 2661.1 | 1964.0 | 3928.3 |
| #2        | 2508.7 | 27614. | 2646.3 | 1956.7 | 3926.3 |
| #3        | 2510.5 | 27437. | 2653.4 | 1965.5 | 3927.1 |

Sample Name: S2      Acquired: 12/10/2024 16:02:21      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 254.56 | .10834 | 1.1255 | .08133 | .19664 | 3.7537 | 8.4622 | 1.4766 |
| Stddev | .08    | .00031 | .0030  | .00019 | .00048 | .0149  | .0195  | .0069  |
| %RSD   | .03026 | .28234 | .26404 | .23935 | .24642 | .39689 | .23027 | .46815 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 254.56 | .10820 | 1.1265 | .08116 | .19652 | 3.7697 | 8.4832 | 1.4707 |
| #2 | 254.49 | .10813 | 1.1221 | .08154 | .19623 | 3.7402 | 8.4586 | 1.4749 |
| #3 | 254.64 | .10869 | 1.1278 | .08129 | .19717 | 3.7512 | 8.4447 | 1.4842 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.8941 | 3.1300 | 1.2491 | .51786 | .53716 | .74488 | 1.5729 | .53720 |
| Stddev | .0041  | .0111  | .0024  | .00121 | .00113 | .00030 | .0062  | .00204 |
| %RSD   | .21689 | .35552 | .18824 | .23459 | .21024 | .04029 | .39649 | .38050 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 1.8978 | 3.1420 | 1.2518 | .51869 | .53774 | .74490 | 1.5795 | .53941 |
| #2 | 1.8897 | 3.1281 | 1.2478 | .51647 | .53586 | .74517 | 1.5671 | .53538 |
| #3 | 1.8949 | 3.1200 | 1.2476 | .51843 | .53788 | .74457 | 1.5722 | .53680 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .30037 | .08900 | .26274 | .06621 | .28913 | .74026 | .06178 | .88169 |
| Stddev | .00071 | .00019 | .00173 | .00117 | .00279 | .00153 | .00019 | .00504 |
| %RSD   | .23769 | .20995 | .65934 | 1.7672 | .96480 | .20698 | .30830 | .57178 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .30078 | .08879 | .26191 | .06489 | .28910 | .73919 | .06199 | .88025 |
| #2 | .29955 | .08910 | .26157 | .06662 | .29193 | .74201 | .06163 | .87753 |
| #3 | .30079 | .08912 | .26473 | .06712 | .28635 | .73956 | .06171 | .88730 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Sr4077 | Li6707 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 1.4526 | .04474 | 2.7145 | .14719 | .47822 | 10.490 | 1.2307 |  |
| Stddev | .0016  | .00012 | .0042  | .00060 | .00152 | .016   | .0034  |  |
| %RSD   | .11095 | .26988 | .15405 | .40519 | .31731 | .15324 | .27959 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 1.4533 | .04470 | 2.7122 | .14735 | .47700 | 10.506 | 1.2335 |  |
| #2 | 1.4508 | .04464 | 2.7119 | .14653 | .47992 | 10.474 | 1.2317 |  |
| #3 | 1.4538 | .04487 | 2.7193 | .14769 | .47774 | 10.490 | 1.2269 |  |

Sample Name: S2      Acquired: 12/10/2024 16:02:21      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S02      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2429.4 | 26726. | 2665.3 | 1876.0 | 3609.8 |
| Stddev    | 4.7    | 185.   | 5.8    | 12.9   | 11.1   |
| %RSD      | .19324 | .69151 | .21680 | .68746 | .30805 |
| #1        | 2428.5 | 26627. | 2668.1 | 1875.5 | 3604.0 |
| #2        | 2434.5 | 26612. | 2658.7 | 1863.4 | 3622.6 |
| #3        | 2425.3 | 26939. | 2669.2 | 1889.2 | 3602.7 |

Sample Name: S3      Acquired: 12/10/2024 16:06:12      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 489.60 | .21402 | 2.2442 | .16236 | .39485 | 7.4705 | 16.826 | 2.8922 |
| Stddev | 1.23   | .00182 | .0128  | .00045 | .00171 | .0039  | .023   | .0127  |
| %RSD   | .25036 | .84884 | .56973 | .27960 | .43185 | .05222 | .13471 | .43786 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 488.46 | .21367 | 2.2373 | .16229 | .39417 | 7.4697 | 16.852 | 2.8860 |
| #2 | 489.44 | .21241 | 2.2363 | .16195 | .39358 | 7.4670 | 16.816 | 2.9068 |
| #3 | 490.90 | .21599 | 2.2589 | .16285 | .39678 | 7.4747 | 16.810 | 2.8839 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 3.7702 | 6.1864 | 2.4557 | 1.0218 | 1.0618 | 1.4714 | 3.1050 | 1.0658 |
| Stddev | .0215  | .0116  | .0047  | .0058  | .0033  | .0022  | .0165  | .0033  |
| %RSD   | .56904 | .18671 | .19022 | .56656 | .31054 | .14865 | .53063 | .31310 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | 3.7599 | 6.1996 | 2.4513 | 1.0194 | 1.0652 | 1.4712 | 3.1193 | 1.0696 |
| #2 | 3.7558 | 6.1780 | 2.4553 | 1.0177 | 1.0586 | 1.4736 | 3.1087 | 1.0635 |
| #3 | 3.7948 | 6.1817 | 2.4606 | 1.0285 | 1.0616 | 1.4693 | 3.0870 | 1.0641 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | .59759 | .17691 | .51841 | .13088 | .58801 | 1.4447 | .12951 | 1.7306 |
| Stddev | .00320 | .00035 | .00073 | .00078 | .00369 | .0012  | .00071 | .0073  |
| %RSD   | .53621 | .19932 | .14074 | .59814 | .62743 | .08604 | .55161 | .42384 |

|    |        |        |        |        |        |        |        |        |
|----|--------|--------|--------|--------|--------|--------|--------|--------|
| #1 | .59640 | .17650 | .51908 | .13097 | .59190 | 1.4434 | .12947 | 1.7280 |
| #2 | .59515 | .17709 | .51763 | .13162 | .58456 | 1.4459 | .12882 | 1.7389 |
| #3 | .60122 | .17714 | .51852 | .13006 | .58758 | 1.4449 | .13025 | 1.7250 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Sr4077 | Li6707 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 2.9103 | .09073 | 5.2355 | .29499 | .95428 | 20.971 | 2.4050 |  |
| Stddev | .0136  | .00063 | .0236  | .00222 | .00638 | .071   | .0062  |  |
| %RSD   | .46715 | .69329 | .45143 | .75379 | .66845 | .33931 | .25911 |  |

|    |        |        |        |        |        |        |        |  |
|----|--------|--------|--------|--------|--------|--------|--------|--|
| #1 | 2.9058 | .09068 | 5.2162 | .29389 | .95926 | 21.051 | 2.4115 |  |
| #2 | 2.8994 | .09012 | 5.2618 | .29352 | .95650 | 20.916 | 2.3991 |  |
| #3 | 2.9255 | .09137 | 5.2284 | .29754 | .94709 | 20.944 | 2.4046 |  |

Sample Name: S3      Acquired: 12/10/2024 16:06:12      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S03      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2318.5 | 25853. | 2623.8 | 1790.1 | 3419.0 |
| Stddev    | 7.4    | 115.   | 2.2    | 5.1    | 11.9   |
| %RSD      | .31714 | .44456 | .08393 | .28644 | .34923 |
| #1        | 2313.6 | 25829. | 2626.3 | 1789.0 | 3413.6 |
| #2        | 2327.0 | 25978. | 2623.0 | 1795.7 | 3432.6 |
| #3        | 2315.0 | 25752. | 2622.1 | 1785.7 | 3410.6 |



Sample Name: S4      Acquired: 12/10/2024 16:09:58      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 944.72 | .42181 | 4.5376 | .32829 | .81586 | 15.131 | 34.006 | 5.7813 |
| Stddev | 1.80   | .00078 | .0079  | .00128 | .00332 | .123   | .241   | .0758  |
| %RSD   | .19009 | .18552 | .17397 | .39109 | .40704 | .81339 | .70942 | 1.3106 |
| #1     | 944.22 | .42100 | 4.5402 | .32831 | .81678 | 15.073 | 33.908 | 5.8105 |
| #2     | 943.22 | .42188 | 4.5288 | .32699 | .81218 | 15.048 | 33.829 | 5.6953 |
| #3     | 946.71 | .42256 | 4.5439 | .32956 | .81863 | 15.273 | 34.281 | 5.8381 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 7.5297 | 12.285 | 4.8339 | 2.0331 | 2.1206 | 2.9284 | 6.1376 | 2.1220 |
| Stddev | .0122  | .093   | .0036  | .0053  | .0140  | .0241  | .0445  | .0173  |
| %RSD   | .16215 | .75744 | .07469 | .25818 | .65818 | .82304 | .72550 | .81736 |
| #1     | 7.5269 | 12.217 | 4.8381 | 2.0333 | 2.1098 | 2.9152 | 6.0999 | 2.1102 |
| #2     | 7.5192 | 12.246 | 4.8322 | 2.0278 | 2.1157 | 2.9138 | 6.1261 | 2.1138 |
| #3     | 7.5431 | 12.391 | 4.8315 | 2.0383 | 2.1364 | 2.9562 | 6.1867 | 2.1419 |

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1.1935 | .35625 | 1.0364 | .26471 | 1.2278 | 2.9167 | .26882 | 3.4197 |
| Stddev | .0027  | .00077 | .0039  | .00143 | .0081  | .0201  | .00022 | .0405  |
| %RSD   | .23021 | .21729 | .37541 | .53922 | .66355 | .68840 | .08068 | 1.1836 |
| #1     | 1.1920 | .35712 | 1.0354 | .26412 | 1.2205 | 2.9066 | .26861 | 3.4295 |
| #2     | 1.1919 | .35601 | 1.0330 | .26367 | 1.2366 | 2.9036 | .26881 | 3.3752 |
| #3     | 1.1967 | .35563 | 1.0407 | .26634 | 1.2263 | 2.9398 | .26904 | 3.4544 |

|        |        |        |        |        |        |        |        |  |
|--------|--------|--------|--------|--------|--------|--------|--------|--|
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Sr4077 | Li6707 |  |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |  |
| Avg    | 6.0031 | .18428 | 10.237 | .59468 | 1.9103 | 42.080 | 4.8508 |  |
| Stddev | .0228  | .00050 | .110   | .00069 | .0152  | .278   | .0442  |  |
| %RSD   | .37948 | .27380 | 1.0782 | .11587 | .79550 | .66176 | .91153 |  |
| #1     | 6.0066 | .18408 | 10.269 | .59472 | 1.8957 | 41.839 | 4.8250 |  |
| #2     | 5.9788 | .18391 | 10.114 | .59397 | 1.9092 | 42.017 | 4.8255 |  |
| #3     | 6.0240 | .18486 | 10.328 | .59535 | 1.9260 | 42.385 | 4.9018 |  |

Sample Name: S4      Acquired: 12/10/2024 16:09:58      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S04      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 2160.1 | 25097. | 2564.8 | 1657.9 | 3226.8 |
| Stddev    | 5.9    | 53.    | 25.0   | 2.4    | 3.0    |
| %RSD      | .27344 | .20957 | .97288 | .14522 | .09243 |
| #1        | 2159.0 | 25136. | 2561.9 | 1656.6 | 3228.1 |
| #2        | 2166.5 | 25037. | 2591.0 | 1656.4 | 3228.9 |
| #3        | 2154.9 | 25118. | 2541.4 | 1660.6 | 3223.4 |

Sample Name: S5      Acquired: 12/10/2024 16:13:43      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

|        |        |        |        |        |        |        |        |        |
|--------|--------|--------|--------|--------|--------|--------|--------|--------|
| Elem   | As1890 | Tl1908 | Pb2203 | Se1960 | Sb2068 | Al3961 | Ba4934 | Be2348 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 1824.5 | .82865 | 9.1294 | .69817 | 1.7790 | 30.149 | 67.042 | 11.249 |
| Stddev | 4.4    | .00349 | .0383  | .00366 | .0097  | .078   | .218   | .057   |
| %RSD   | .24207 | .42158 | .41963 | .52426 | .54637 | .25954 | .32471 | .51089 |
| #1     | 1819.6 | .82569 | 9.1000 | .69554 | 1.7715 | 30.064 | 66.792 | 11.297 |
| #2     | 1828.2 | .82776 | 9.1155 | .69661 | 1.7754 | 30.165 | 67.141 | 11.185 |
| #3     | 1825.7 | .83250 | 9.1728 | .70235 | 1.7900 | 30.218 | 67.193 | 11.265 |
| Elem   | Cd2144 | Ca3736 | Cr2677 | Co2286 | Cu3247 | Fe2598 | Mn2576 | Mg2790 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 14.988 | 23.958 | 9.4675 | 4.0571 | 4.1714 | 5.6766 | 11.979 | 4.1669 |
| Stddev | .066   | .041   | .0072  | .0180  | .0049  | .0114  | .034   | .0162  |
| %RSD   | .43785 | .16921 | .07595 | .44320 | .11775 | .20046 | .28573 | .38795 |
| #1     | 14.946 | 23.914 | 9.4617 | 4.0482 | 4.1714 | 5.6658 | 11.966 | 4.1572 |
| #2     | 14.955 | 23.967 | 9.4755 | 4.0454 | 4.1664 | 5.6885 | 11.954 | 4.1580 |
| #3     | 15.064 | 23.993 | 9.4653 | 4.0778 | 4.1762 | 5.6756 | 12.018 | 4.1856 |
| Elem   | Ni2316 | Ag3280 | Na8183 | V_2924 | Zn2138 | K_7698 | P_1774 | B_2496 |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg    | 2.3835 | .72227 | 2.0549 | .52046 | 2.6868 | 5.8193 | .55551 | 6.5019 |
| Stddev | .0089  | .00114 | .0081  | .00239 | .0125  | .0124  | .00299 | .0278  |
| %RSD   | .37178 | .15762 | .39595 | .45981 | .46420 | .21307 | .53850 | .42746 |
| #1     | 2.3771 | .72140 | 2.0455 | .51920 | 2.6743 | 5.8050 | .55315 | 6.5259 |
| #2     | 2.3798 | .72356 | 2.0587 | .51895 | 2.6992 | 5.8257 | .55450 | 6.4714 |
| #3     | 2.3936 | .72184 | 2.0604 | .52322 | 2.6869 | 5.8271 | .55888 | 6.5084 |
| Elem   | Mo2020 | S_1820 | Si2516 | Sn1899 | Ti3361 | Sr4077 | Li6707 |        |
| Units  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |        |
| Avg    | 12.928 | .38125 | 19.616 | 1.1936 | 3.7602 | 81.724 | 9.5996 |        |
| Stddev | .077   | .00110 | .094   | .0054  | .0110  | .747   | .0304  |        |
| %RSD   | .59938 | .28814 | .47952 | .45322 | .29362 | .91465 | .31670 |        |
| #1     | 12.870 | .38067 | 19.703 | 1.1906 | 3.7488 | 80.861 | 9.5696 |        |
| #2     | 12.898 | .38056 | 19.516 | 1.1904 | 3.7610 | 82.178 | 9.5989 |        |
| #3     | 13.016 | .38252 | 19.629 | 1.1999 | 3.7708 | 82.133 | 9.6304 |        |

Sample Name: S5      Acquired: 12/10/2024 16:13:43      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S05      Custom ID2:      Custom ID3:  
Comment:

| Int. Std. | Y_2243 | Y_3600 | Y_3710 | Y_2243 | In2306 |
|-----------|--------|--------|--------|--------|--------|
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 1917.4 | 23987. | 2548.4 | 1454.2 | 3021.2 |
| Stddev    | 7.9    | 79.    | 7.0    | 7.0    | 11.6   |
| %RSD      | .41027 | .33048 | .27597 | .48294 | .38335 |
| #1        | 1919.9 | 24074. | 2550.2 | 1460.7 | 3021.7 |
| #2        | 1923.8 | 23918. | 2554.4 | 1446.8 | 3032.5 |
| #3        | 1908.6 | 23968. | 2540.7 | 1455.1 | 3009.4 |

Sample Name: S6      Acquired: 12/10/2024 16:17:38      Type: Cal  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: IR      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: S06      Custom ID2:      Custom ID3:  
Comment:

|           |        |        |        |        |        |
|-----------|--------|--------|--------|--------|--------|
| Elem      | Al3961 | Ca3736 | Fe2598 | Mg2790 | Na8183 |
| Units     | Cts/S  | Cts/S  | Cts/S  | Cts/S  | Cts/S  |
| Avg       | 78.901 | 38.444 | 14.726 | 6.2187 | 5.5105 |
| Stddev    | .600   | .275   | .132   | .0382  | .0361  |
| %RSD      | .76102 | .71542 | .89793 | .61446 | .65461 |
| #1        | 79.325 | 38.635 | 14.824 | 6.2443 | 5.5264 |
| #2        | 79.164 | 38.569 | 14.779 | 6.2370 | 5.5360 |
| #3        | 78.214 | 38.129 | 14.576 | 6.1748 | 5.4692 |
| Int. Std. | Y_3710 |        |        |        |        |
| Units     | Cts/S  |        |        |        |        |
| Avg       | 2542.7 |        |        |        |        |
| Stddev    | 25.0   |        |        |        |        |
| %RSD      | .98291 |        |        |        |        |
| #1        | 2519.0 |        |        |        |        |
| #2        | 2540.2 |        |        |        |        |
| #3        | 2568.8 |        |        |        |        |

Sample Name: ICV014      Acquired: 12/10/2024 16:45:51      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ICV014      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |            |            |
|--------|----------|----------|----------|----------|------------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068     | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 1.038133 | .9821663 | .9687233 | .9324097 | .9126922   | 2.427014   |
| Stddev | .003284  | .0023432 | .0045070 | .0012098 | .0034750   | .018037    |
| %RSD   | .3163694 | .2385762 | .4652488 | .1297539 | .3807459   | .7431855   |
| #1     | 1.039430 | .9848588 | .9739237 | .9331766 | .9166857   | 2.440929   |
| #2     | 1.040570 | .9810507 | .9659509 | .9310150 | .9103560   | 2.406636   |
| #3     | 1.034398 | .9805892 | .9662952 | .9330375 | .9110350   | 2.433478   |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677     | Co2286     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | .5185802 | .5224039 | .4768094 | 10.23094 | .5496085   | .5007285   |
| Stddev | .0058810 | .0066120 | .0012909 | .15363   | .0016435   | .0021732   |
| %RSD   | 1.134059 | 1.265693 | .2707446 | 1.501665 | .2990242   | .4340026   |
| #1     | .5238998 | .5298136 | .4782849 | 10.37058 | .5511777   | .5032208   |
| #2     | .5195760 | .5202931 | .4762546 | 10.25588 | .5478997   | .4992289   |
| #3     | .5122649 | .5171050 | .4758886 | 10.06637 | .5497482   | .4997360   |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316     | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | .4977854 | 10.55741 | .5266008 | 6.041075 | .5100435   | .2462849   |
| Stddev | .0095474 | .10428   | .0038743 | .030635  | .0025162   | .0009478   |
| %RSD   | 1.917968 | .9877732 | .7357243 | .5071099 | .4933254   | .3848486   |
| #1     | .5063483 | 10.64908 | .5308768 | 6.063743 | .5128012   | .2473081   |
| #2     | .4874907 | 10.57920 | .5256019 | 6.053260 | .5094570   | .2454368   |
| #3     | .4995171 | 10.44395 | .5233238 | 6.006222 | .5078724   | .2461099   |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm        |
| Avg    | 10.08662 | .5069642 | 1.096831 | 9.429420 | F -.002359 | F -.032586 |
| Stddev | .21868   | .0050430 | .007212  | .422215  | .003502    | .003140    |
| %RSD   | 2.168017 | .9947489 | .6575075 | 4.477633 | 148.4288   | 9.636940   |
| #1     | 10.32729 | .5104400 | 1.101781 | 9.662287 | -.003575   | -.034815   |
| #2     | 10.03248 | .5092724 | 1.088556 | 9.683924 | -.005092   | -.028994   |
| #3     | 9.90010  | .5011801 | 1.100155 | 8.942048 | .001589    | -.033948   |

Sample Name: ICV014      Acquired: 12/10/2024 16:45:51      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ICV014      Custom ID2:      Custom ID3:  
Comment:

|        |            |            |            |            |            |            |
|--------|------------|------------|------------|------------|------------|------------|
| Elem   | Mo2020     | S_1820     | Si2516     | Sn1899     | Ti3361     | Sr4077     |
| Units  | ppm        | ppm        | ppm        | ppm        | ppm        | ppm        |
| Avg    | F -.001069 | F .0074127 | F .0013432 | F -.000939 | F -.000027 | F -.008887 |
| Stddev | .000175    | .0018892   | .0010893   | .000678    | .002017    | .000126    |
| %RSD   | 16.33394   | 25.48625   | 81.10183   | 72.20485   | 7465.555   | 1.414808   |
| #1     | -.001079   | .0088792   | .0016550   | -.001691   | -.002324   | -.008741   |
| #2     | -.001238   | .0080781   | .0022425   | -.000373   | .001455    | -.008964   |
| #3     | -.000890   | .0052808   | .0001319   | -.000754   | .000788    | -.008955   |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.020373 |
| Stddev | .002664    |
| %RSD   | 13.07509   |
| #1     | -.021425   |
| #2     | -.017344   |
| #3     | -.022349   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2503.473 | 27477.17 | 2700.638 | 1949.679 | 3878.282 |
| Stddev    | 8.473    | 90.58    | 32.112   | 3.045    | 14.101   |
| %RSD      | .3384453 | .3296673 | 1.189054 | .1562011 | .3635926 |
| #1        | 2495.289 | 27463.81 | 2666.152 | 1951.649 | 3863.485 |
| #2        | 2512.208 | 27394.02 | 2706.083 | 1946.171 | 3891.565 |
| #3        | 2502.923 | 27573.70 | 2729.679 | 1951.217 | 3879.797 |

Sample Name: ICB014      Acquired: 12/10/2024 16:51:34      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ICB014      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003241 | .0020314 | .0002477 | .0024117 | .0018835 | -.000223 |
| Stddev | .000633  | .0009655 | .0017467 | .0014332 | .0012952 | .004033  |
| %RSD   | 19.52907 | 47.52791 | 705.1504 | 59.42922 | 68.76438 | 1808.974 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.002783 | .0031231 | -.000308 | .0037043 | .0004089 | -.004538 |
| #2 | -.003963 | .0012898 | -.001154 | .0008704 | .0024045 | .000417  |
| #3 | -.002977 | .0016814 | .002205  | .0026603 | .0028370 | .003452  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013678 | .0000193 | .0000879 | .0315601 | -.000789 | .0002502 |
| Stddev | .0005705 | .0001003 | .0001202 | .0289310 | .000210  | .0000890 |
| %RSD   | 41.71269 | 518.8848 | 136.6633 | 91.66958 | 26.65738 | 35.55627 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0016396 | .0000016 | .0001057 | .0621562 | -.000884 | .0001642 |
| #2 | .0007121 | .0001273 | -.000040 | .0046469 | -.000935 | .0003419 |
| #3 | .0017515 | -.000071 | .000198  | .0278773 | -.000548 | .0002446 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045260 | -.011721 | -.000646 | -.041575 | -.000543 | -.000931 |
| Stddev | .0069477 | .003501  | .000286  | .071860  | .000488  | .000539  |
| %RSD   | 153.5059 | 29.86797 | 44.26562 | 172.8446 | 89.99307 | 57.86898 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0124126 | -.011515 | -.000376 | -.113639 | -.000055 | -.000598 |
| #2 | .0018565 | -.015321 | -.000946 | .030079  | -.001032 | -.001553 |
| #3 | -.000691 | -.008328 | -.000617 | -.041165 | -.000541 | -.000643 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.016806 | -.003525 | -.001431 | -.192227 | -.000198 | -.002333 |
| Stddev | .604295  | .002094  | .003271  | .138058  | .001506  | .002204  |
| %RSD   | 3595.704 | 59.40579 | 228.5216 | 71.82033 | 761.3906 | 94.49567 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .334283  | -.002884 | -.005076 | -.044874 | -.000964 | -.004217 |
| #2 | .329880  | -.005865 | -.000466 | -.318586 | -.001167 | .000091  |
| #3 | -.714581 | -.001827 | .001249  | -.213221 | .001538  | -.002873 |



Sample Name: ICB014      Acquired: 12/10/2024 16:51:34      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ICB014      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | -.000676 | -.000294 | -.001849 | F -.008014 | .0031709 | .0000491 |
| Stddev | .000228  | .002736  | .000877  | .000142    | .0026107 | .0000706 |
| %RSD   | 33.76338 | 930.2102 | 47.45976 | 1.777056   | 82.33172 | 143.8092 |
| #1     | -.000918 | .002141  | -.001891 | -.007879   | .0002788 | .0001303 |
| #2     | -.000644 | .000231  | -.002704 | -.007999   | .0053533 | .0000150 |
| #3     | -.000465 | -.003255 | -.000951 | -.008163   | .0038807 | .0000020 |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.024117 |
| Stddev | .003376    |
| %RSD   | 13.99680   |
| #1     | -.020908   |
| #2     | -.027637   |
| #3     | -.023805   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2501.749 | 27688.72 | 2662.750 | 1960.673 | 3920.342 |
| Stddev    | 4.228    | 292.82   | 23.298   | 21.041   | 8.536    |
| %RSD      | .1690122 | 1.057560 | .8749723 | 1.073135 | .2177482 |
| #1        | 2506.097 | 27659.44 | 2635.934 | 1960.227 | 3928.756 |
| #2        | 2501.499 | 27411.63 | 2674.285 | 1939.858 | 3911.688 |
| #3        | 2497.651 | 27995.08 | 2678.030 | 1981.932 | 3920.582 |

Sample Name: ICSA014      Acquired: 12/10/2024 17:21:53      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ICSA014      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.009316 | .0076976 | -.009899 | -.016151 | -.006777 | 243.0741 |
| Stddev | .003449  | .0012353 | .002492  | .004140  | .002821  | .8857    |
| %RSD   | 37.02249 | 16.04818 | 25.16986 | 25.63269 | 41.62276 | .3643856 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.011812 | .0063986 | -.011192 | -.018481 | -.004179 | 242.5953 |
| #2 | -.005380 | .0078368 | -.007027 | -.011371 | -.009777 | 242.5309 |
| #3 | -.010755 | .0088575 | -.011478 | -.018600 | -.006376 | 244.0962 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073104 | .0013640 | .0008535 | 248.9195 | .0521792 | .0315269 |
| Stddev | .0012721 | .0000257 | .0001104 | 1.0867   | .0006842 | .0007397 |
| %RSD   | 17.40106 | 1.880227 | 12.93146 | .4365838 | 1.311195 | 2.346152 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0058416 | .0013426 | .0009203 | 248.3768 | .0513991 | .0307627 |
| #2 | .0080531 | .0013571 | .0007261 | 248.2110 | .0524612 | .0315786 |
| #3 | .0080366 | .0013924 | .0009142 | 250.1707 | .0526773 | .0322393 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.007006 | 102.7715 | .0101976 | 254.7028 | .0051102 | -.007578 |
| Stddev | .001301  | .2110    | .0003556 | .8693    | .0009110 | .001531  |
| %RSD   | 18.57211 | .2052721 | 3.486808 | .3412996 | 17.82628 | 20.19669 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.008457 | 102.7065 | .0098677 | 253.9026 | .0048110 | -.008383 |
| #2 | -.005945 | 102.6006 | .0105743 | 254.5780 | .0043865 | -.008538 |
| #3 | -.006615 | 103.0073 | .0101509 | 255.6277 | .0061331 | -.005813 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.050593 | .0004836 | -.036147 | -.287852 | .0016573 | F -.315832 |
| Stddev | .719102  | .0103535 | .003477  | .185939  | .0011819 | .002925    |
| %RSD   | 1421.348 | 2141.135 | 9.617872 | 64.59545 | 71.31401 | .9262440   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .426291  | .0055576 | -.040154 | -.352057 | .0030209 | -.318752 |
| #2 | -.877715 | -.011428 | -.034344 | -.433180 | .0010258 | -.312901 |
| #3 | .299645  | .007321  | -.033942 | -.078319 | .0009254 | -.315843 |

Sample Name: ICSA014      Acquired: 12/10/2024 17:21:53      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ICSA014      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | -.001618 | .0119570 | -.003369 | F .0089128 | -.000210 | .0043013 |
| Stddev | .000511  | .0020568 | .000647  | .0006501   | .001872  | .0007235 |
| %RSD   | 31.59322 | 17.20135 | 19.19310 | 7.294546   | 893.0594 | 16.82058 |
| #1     | -.002053 | .0140509 | -.003276 | .0095751   | .001284  | .0039491 |
| #2     | -.001747 | .0118807 | -.004058 | .0082755   | .000397  | .0038214 |
| #3     | -.001055 | .0099395 | -.002774 | .0088880   | -.002309 | .0051335 |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.016973 |
| Stddev | .002948    |
| %RSD   | 17.36849   |
| #1     | -.015819   |
| #2     | -.014776   |
| #3     | -.020323   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2375.929 | 25459.86 | 2607.909 | 1840.195 | 3392.310 |
| Stddev    | 6.242    | 138.51   | 19.170   | 9.240    | 12.531   |
| %RSD      | .2627059 | .5440241 | .7350772 | .5020954 | .3694004 |
| #1        | 2377.524 | 25476.80 | 2596.429 | 1842.839 | 3394.255 |
| #2        | 2381.219 | 25313.66 | 2630.040 | 1829.921 | 3403.756 |
| #3        | 2369.045 | 25589.12 | 2597.259 | 1847.824 | 3378.920 |

Sample Name: ICSAB014      Acquired: 12/10/2024 17:27:39      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ICSAB014      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .0891728 | .1087786 | .0423905 | .0265995 | .5579911 | 249.8614   |
| Stddev | .0067044 | .0010827 | .0012290 | .0097367 | .0022440 | 1.7789     |
| %RSD   | 7.518399 | .9953717 | 2.899192 | 36.60468 | .4021630 | .7119633   |
| #1     | .0877906 | .1075284 | .0422049 | .0154523 | .5592903 | 250.6155   |
| #2     | .0832672 | .1094143 | .0437017 | .0334410 | .5553999 | 251.1390   |
| #3     | .0964605 | .1093931 | .0412648 | .0309052 | .5592831 | 247.8296   |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .5452643 | .5455295 | 1.006569 | 256.5595 | .6214702 | .5421223   |
| Stddev | .0049155 | .0034723 | .001172  | 1.6677   | .0021124 | .0008119   |
| %RSD   | .9014851 | .6365099 | .1163851 | .6500155 | .3399078 | .1497692   |
| #1     | .5466557 | .5490588 | 1.007736 | 257.7763 | .6217123 | .5427626   |
| #2     | .5493341 | .5454128 | 1.006577 | 257.2437 | .6192472 | .5412091   |
| #3     | .5398031 | .5421171 | 1.005393 | 254.6586 | .6234512 | .5423953   |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | .4862811 | 105.4551 | .5456926 | 263.6768 | 1.077633 | .1879370   |
| Stddev | .0019497 | .6025    | .0043311 | 1.6630   | .003101  | .0008020   |
| %RSD   | .4009344 | .5713349 | .7936939 | .6306788 | .2877647 | .4267580   |
| #1     | .4841677 | 105.8760 | .5493320 | 265.2499 | 1.081047 | .1887921   |
| #2     | .4880096 | 105.7243 | .5468434 | 263.8438 | 1.076864 | .1878175   |
| #3     | .4866659 | 104.7649 | .5409022 | 261.9366 | 1.074989 | .1872014   |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | -.093579 | .5298564 | 1.051819 | -.602558 | .0039692 | F -.331678 |
| Stddev | .007023  | .0056390 | .008499  | .138229  | .0035359 | .003578    |
| %RSD   | 7.504433 | 1.064243 | .8080560 | 22.94032 | 89.08212 | 1.078629   |
| #1     | -.099572 | .5360212 | 1.061352 | -.492280 | .0000736 | -.334358   |
| #2     | -.085852 | .5285888 | 1.049075 | -.757628 | .0069756 | -.333062   |
| #3     | -.095313 | .5249591 | 1.045031 | -.557766 | .0048586 | -.327616   |

Sample Name: ICSAB014      Acquired: 12/10/2024 17:27:39      Type: Unk

Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000

User: Kareem      Custom ID1: ICSAB014      Custom ID2:      Custom ID3:

Comment:

|           |            |          |          |          |          |          |
|-----------|------------|----------|----------|----------|----------|----------|
| Elem      | Mo2020     | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units     | ppm        | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg       | -.001313   | .0239760 | -.003112 | .0036819 | -.000539 | .0053830 |
| Stddev    | .000361    | .0070270 | .000627  | .0022167 | .000950  | .0001514 |
| %RSD      | 27.52287   | 29.30848 | 20.15251 | 60.20648 | 176.1873 | 2.812137 |
| #1        | -.001089   | .0276575 | -.002651 | .0051198 | -.000095 | .0053309 |
| #2        | -.001729   | .0283975 | -.003826 | .0047969 | .000107  | .0055536 |
| #3        | -.001120   | .0158732 | -.002858 | .0011290 | -.001631 | .0052646 |
| Elem      | Li6707     |          |          |          |          |          |
| Units     | ppm        |          |          |          |          |          |
| Avg       | F -.026064 |          |          |          |          |          |
| Stddev    | .001522    |          |          |          |          |          |
| %RSD      | 5.840480   |          |          |          |          |          |
| #1        | -.027769   |          |          |          |          |          |
| #2        | -.025584   |          |          |          |          |          |
| #3        | -.024840   |          |          |          |          |          |
| Int. Std. | Y_2243     | Y_3600   | Y_3710   | Y_2243   | In2306   |          |
| Units     | Cts/S      | Cts/S    | Cts/S    | Cts/S    | Cts/S    |          |
| Avg       | 2369.146   | 25424.04 | 2633.137 | 1830.951 | 3388.944 |          |
| Stddev    | 4.628      | 94.91    | 24.592   | 10.345   | 10.549   |          |
| %RSD      | .1953609   | .3733066 | .9339431 | .5650087 | .3112649 |          |
| #1        | 2367.599   | 25343.40 | 2613.974 | 1824.406 | 3380.424 |          |
| #2        | 2365.490   | 25400.09 | 2624.570 | 1825.569 | 3385.665 |          |
| #3        | 2374.350   | 25528.63 | 2660.867 | 1842.877 | 3400.742 |          |

Sample Name: CCV089      Acquired: 12/10/2024 17:48:20      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV089      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.991993 | 4.977525 | 25.34109 | 4.866938 | 4.910743 | 408.5371   |
| Stddev | .026604  | .014577  | .11977   | .021693  | .022669  | .6877      |
| %RSD   | .5329291 | .2928587 | .4726404 | .4457152 | .4616207 | .1683439   |
| #1     | 5.009469 | 4.976587 | 25.33609 | 4.856169 | 4.908401 | 409.0718   |
| #2     | 4.961376 | 4.963440 | 25.22389 | 4.852738 | 4.889336 | 408.7782   |
| #3     | 5.005135 | 4.992549 | 25.46328 | 4.891909 | 4.934493 | 407.7612   |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.37154 | .5133734 | 2.549659 | 414.0573 | 15.83214 | 2.559715   |
| Stddev | .02294   | .0022107 | .011833  | .6444    | .00855   | .013648    |
| %RSD   | .2212014 | .4306144 | .4641113 | .1556227 | .0540188 | .5331948   |
| #1     | 10.39374 | .5150288 | 2.547661 | 414.7970 | 15.82783 | 2.558332   |
| #2     | 10.37296 | .5142286 | 2.538952 | 413.7565 | 15.82660 | 2.546810   |
| #3     | 10.34793 | .5108629 | 2.562364 | 413.6183 | 15.84199 | 2.574002   |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 15.31721 | 417.3631 | 15.23792 | 418.6660 | 2.563457 | 1.275541   |
| Stddev | .04715   | .1071    | .05449   | 1.5947   | .011859  | .002021    |
| %RSD   | .3078058 | .0256521 | .3575927 | .3809035 | .4626150 | .1584532   |
| #1     | 15.37163 | 417.2907 | 15.29868 | 420.5049 | 2.564398 | 1.276291   |
| #2     | 15.28870 | 417.4861 | 15.22172 | 417.6624 | 2.551155 | 1.273252   |
| #3     | 15.29130 | 417.3125 | 15.19338 | 417.8308 | 2.574817 | 1.277080   |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 408.5916 | 2.554473 | 14.81280 | 156.0263 | 5.086167 | F 4.226022 |
| Stddev | 1.1883   | .011428  | .12595   | .3582    | .014121  | .023726    |
| %RSD   | .2908174 | .4473669 | .8502770 | .2295867 | .2776317 | .5614330   |
| #1     | 409.8295 | 2.557102 | 14.71816 | 156.2850 | 5.089795 | 4.239805   |
| #2     | 407.4601 | 2.541959 | 14.76450 | 156.1765 | 5.070585 | 4.239636   |
| #3     | 408.4854 | 2.564357 | 14.95576 | 155.6174 | 5.098119 | 4.198626   |

Sample Name: CCV089      Acquired: 12/10/2024 17:48:20      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV089      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.894306 | 5.124721 | 5.026223 | 5.125622 | 5.109005 | 4.953363 |
| Stddev | .022312  | .022990  | .027103  | .026836  | .031662  | .016681  |
| %RSD   | .4558737 | .4486075 | .5392328 | .5235562 | .6197334 | .3367529 |
| #1     | 4.891604 | 5.128011 | 5.052912 | 5.121586 | 5.145476 | 4.971744 |
| #2     | 4.873467 | 5.100264 | 5.027031 | 5.101033 | 5.088563 | 4.949157 |
| #3     | 4.917845 | 5.145890 | 4.998724 | 5.154247 | 5.092975 | 4.939188 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | 5.144013 |
| Stddev | .010066  |
| %RSD   | .1956768 |
| #1     | 5.146953 |
| #2     | 5.152282 |
| #3     | 5.132805 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2096.438 | 24130.05 | 2572.861 | 1607.681 | 3084.730 |
| Stddev    | 5.036    | 54.17    | 7.733    | 5.502    | 8.610    |
| %RSD      | .2402341 | .2244934 | .3005530 | .3422302 | .2791210 |
| #1        | 2097.682 | 24190.52 | 2567.616 | 1613.500 | 3087.687 |
| #2        | 2100.736 | 24113.65 | 2569.226 | 1606.979 | 3091.472 |
| #3        | 2090.896 | 24085.97 | 2581.742 | 1602.564 | 3075.031 |

Sample Name: CCB089      Acquired: 12/10/2024 17:52:04      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB089      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001876 | .0011680 | -.000496 | .0075643 | .0014785 | .1281478 |
| Stddev | .000596  | .0013684 | .001029  | .0013682 | .0021895 | .0102046 |
| %RSD   | 31.76451 | 117.1628 | 207.3751 | 18.08823 | 148.0887 | 7.963108 |
| #1     | -.002241 | .0024866 | .000611  | .0086013 | .0034289 | .1194935 |
| #2     | -.002199 | .0012626 | -.001422 | .0080781 | -.000890 | .1255497 |
| #3     | -.001189 | -.000245 | -.000678 | .0060135 | .001896  | .1394003 |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006440 | -.000041 | .0001051 | .0344954 | -.000462 | -.000044 |
| Stddev | .0011869 | .000007  | .0000298 | .0330769 | .000445  | .000346  |
| %RSD   | 184.3157 | 16.08311 | 28.33003 | 95.88787 | 96.26976 | 780.2851 |
| #1     | -.000016 | -.000037 | .0001084 | -.000015 | -.000909 | -.000414 |
| #2     | .002014  | -.000037 | .0000738 | .065923  | -.000459 | .000270  |
| #3     | -.000066 | -.000049 | .0001331 | .037579  | -.000019 | .000011  |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0148986 | .0212159 | .0016826 | .0081215 | -.000212 | .0012962 |
| Stddev | .0004585 | .0442502 | .0015387 | .0477296 | .000141  | .0009381 |
| %RSD   | 3.077181 | 208.5703 | 91.44977 | 587.6961 | 66.39710 | 72.37855 |
| #1     | .0147313 | -.028564 | .0012678 | .0218834 | -.000215 | .0010166 |
| #2     | .0145473 | .056082  | .0003938 | .0474581 | -.000352 | .0023423 |
| #3     | .0154172 | .036131  | .0033861 | -.044977 | -.000070 | .0005296 |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1500822 | -.000528 | .0045388 | .0101803 | -.000088 | .0090417 |
| Stddev | .4824192 | .011110  | .0071969 | .0685011 | .000732  | .0003024 |
| %RSD   | 321.4367 | 2102.754 | 158.5647 | 672.8780 | 828.3142 | 3.344104 |
| #1     | .5282789 | -.007628 | -.003561 | -.027028 | -.000425 | .0090425 |
| #2     | .3151782 | -.006232 | .006979  | -.031665 | -.000591 | .0093437 |
| #3     | -.393211 | .012274  | .010199  | .089233  | .000751  | .0087389 |



Sample Name: CCB089      Acquired: 12/10/2024 17:52:04      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB089      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | -.000430 | -.005065 | -.000315 | F -.010061 | .0024069 | .0005013 |
| Stddev | .000411  | .000892  | .000528  | .000663    | .0017968 | .0001766 |
| %RSD   | 95.59016 | 17.60920 | 167.7286 | 6.586545   | 74.65220 | 35.22525 |
| #1     | -.000414 | -.004358 | -.000063 | -.010304   | .0013342 | .0005624 |
| #2     | -.000849 | -.006067 | -.000921 | -.010568   | .0014053 | .0003023 |
| #3     | -.000027 | -.004769 | .000040  | -.009311   | .0044813 | .0006392 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.012063 |
| Stddev | .001306  |
| %RSD   | 10.82358 |
| #1     | -.012340 |
| #2     | -.013208 |
| #3     | -.010641 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2492.338 | 27540.93 | 2653.489 | 1948.224 | 3902.794 |
| Stddev    | 5.289    | 90.95    | 11.207   | 11.329   | 12.610   |
| %RSD      | .2122107 | .3302512 | .4223583 | .5815167 | .3230959 |
| #1        | 2486.469 | 27436.25 | 2649.511 | 1935.153 | 3888.277 |
| #2        | 2496.735 | 27585.90 | 2644.813 | 1955.220 | 3909.070 |
| #3        | 2493.810 | 27600.64 | 2666.142 | 1954.299 | 3911.033 |

Sample Name: PB165364BL      Acquired: 12/10/2024 17:56:11      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: PBS364      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002282 | .0011688 | -.001368 | .0034675 | .0012701 | -.014200 |
| Stddev | .001178  | .0021536 | .001440  | .0032092 | .0024412 | .024124  |
| %RSD   | 51.63063 | 184.2509 | 105.2834 | 92.55255 | 192.1987 | 169.8851 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.001092 | .0033931 | -.001472 | -.000238 | .0038592 | -.020082 |
| #2 | -.003449 | -.000906 | -.002754 | .005284  | .0009408 | -.034840 |
| #3 | -.002306 | .001020  | .000121  | .005357  | -.000990 | .012321  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002252 | -.000053 | .0000491 | -.004716 | -.000894 | .0000845 |
| Stddev | .0009271 | .000127  | .0000451 | .035547  | .000443  | .0002964 |
| %RSD   | 411.6797 | 239.3480 | 91.71720 | 753.8192 | 49.56872 | 350.9064 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000682 | -.000199 | .0000502 | .035815  | -.001000 | -.000086 |
| #2 | .001171  | .000012  | .0000937 | -.019364 | -.000407 | .000427  |
| #3 | .000187  | .000028  | .0000035 | -.030598 | -.001274 | -.000088 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.002356 | .0369219 | .0008714 | -.104887 | .0001321 | -.000511 |
| Stddev | .005100  | .0295119 | .0007710 | .056998  | .0006330 | .001252  |
| %RSD   | 216.4920 | 79.93058 | 88.48255 | 54.34208 | 479.1607 | 244.8343 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.007556 | .0141646 | .0014722 | -.042880 | -.000582 | .000594  |
| #2 | .002639  | .0263340 | .0000020 | -.154998 | .000623  | -.000258 |
| #3 | -.002151 | .0702671 | .0011400 | -.116782 | .000356  | -.001871 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.152182 | .0101984 | -.004549 | -.205403 | -.000021 | .0031030 |
| Stddev | .670882  | .0026232 | .002497  | .120645  | .003215  | .0008571 |
| %RSD   | 440.8408 | 25.72200 | 54.89227 | 58.73580 | 15269.95 | 27.62070 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .407482  | .0083635 | -.005136 | -.109416 | .003628  | .0025147 |
| #2 | .031843  | .0090287 | -.006700 | -.165960 | -.002438 | .0040863 |
| #3 | -.895872 | .0132030 | -.001811 | -.340833 | -.001254 | .0027079 |

Sample Name: PB165364BL      Acquired: 12/10/2024 17:56:11      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: PBS364      Custom ID2:      Custom ID3:  
Comment:

|        |           |           |           |             |          |          |
|--------|-----------|-----------|-----------|-------------|----------|----------|
| Elem   | Mo2020    | S_1820    | Si2516    | Sn1899      | Ti3361   | Sr4077   |
| Units  | ppm       | ppm       | ppm       | ppm         | ppm      | ppm      |
| Avg    | -0.000597 | -0.005492 | -0.000774 | F -0.011151 | .0055051 | -.000172 |
| Stddev | .000208   | .001950   | .000581   | .000769     | .0039116 | .000102  |
| %RSD   | 34.91264  | 35.51499  | 74.97986  | 6.894168    | 71.05440 | 58.92804 |
| #1     | -.000619  | -.007455  | -.001398  | -.011074    | .0069994 | -.000097 |
| #2     | -.000793  | -.003554  | -.000676  | -.011956    | .0010666 | -.000288 |
| #3     | -.000378  | -.005465  | -.000250  | -.010424    | .0084492 | -.000132 |

|        |             |
|--------|-------------|
| Elem   | Li6707      |
| Units  | ppm         |
| Avg    | F -0.028936 |
| Stddev | .003091     |
| %RSD   | 10.68193    |
| #1     | -.031788    |
| #2     | -.029367    |
| #3     | -.025651    |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2491.912 | 27969.30 | 2648.790 | 1974.589 | 3907.403 |
| Stddev    | 6.496    | 163.78   | 9.040    | 16.089   | 12.902   |
| %RSD      | .2607002 | .5855805 | .3413026 | .8148132 | .3301865 |
| #1        | 2495.368 | 27869.98 | 2659.073 | 1959.424 | 3920.400 |
| #2        | 2484.418 | 27879.58 | 2645.202 | 1972.878 | 3894.599 |
| #3        | 2495.949 | 28158.34 | 2642.094 | 1991.465 | 3907.208 |

Sample Name: PB165351BL      Acquired: 12/10/2024 18:04:22      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: PBS351      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000955 | .0016947 | .0001522 | .0084685 | .0016027 | .0190964 |
| Stddev | .000878  | .0022935 | .0012219 | .0011783 | .0006423 | .0216212 |
| %RSD   | 91.92039 | 135.3376 | 802.8487 | 13.91328 | 40.07817 | 113.2211 |
| #1     | -.000994 | .0007742 | .0015394 | .0071090 | .0010384 | .0175347 |
| #2     | -.001813 | .0000044 | -.000765 | .0091025 | .0023017 | .0414561 |
| #3     | -.000058 | .0043055 | -.000318 | .0091940 | .0014680 | -.001702 |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0006454 | -.000023 | .0000150 | .0208534 | -.001009 | .0001633 |
| Stddev | .0008413 | .000070  | .0000366 | .0219433 | .000361  | .0001840 |
| %RSD   | 130.3596 | 304.5415 | 243.7628 | 105.2263 | 35.78412 | 112.7195 |
| #1     | -.000316 | .000020  | .0000573 | .0417489 | -.001388 | .0002782 |
| #2     | .001246  | -.000104 | -.000006 | .0228170 | -.000969 | .0002606 |
| #3     | .001006  | .000015  | -.000006 | -.002006 | -.000669 | -.000049 |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017960 | .0084394 | .0005919 | -.093523 | -.000722 | .0001757 |
| Stddev | .0026163 | .0090155 | .0009738 | .066089  | .000488  | .0005393 |
| %RSD   | 145.6787 | 106.8267 | 164.5372 | 70.66629 | 67.60812 | 307.0196 |
| #1     | -.000271 | -.001832 | .0000445 | -.162441 | -.000174 | .0007698 |
| #2     | .000922  | .012107  | .0017162 | -.087445 | -.001110 | -.000283 |
| #3     | .004737  | .015043  | .0000149 | -.030683 | -.000882 | .000040  |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1355961 | .0016909 | -.000355 | -.243204 | -.001316 | -.000647 |
| Stddev | .7739738 | .0079338 | .002893  | .174543  | .000305  | .001816  |
| %RSD   | 570.7936 | 469.1979 | 814.2156 | 71.76808 | 23.17813 | 280.6754 |
| #1     | -.022330 | .0020530 | .002682  | -.228092 | -.001037 | -.000150 |
| #2     | .976353  | -.006418 | -.003079 | -.076708 | -.001269 | -.002660 |
| #3     | -.547235 | .009438  | -.000669 | -.424811 | -.001642 | .000869  |

Sample Name: PB165351BL      Acquired: 12/10/2024 18:04:22      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: PBS351      Custom ID2:      Custom ID3:  
Comment:

|        |           |           |           |             |          |          |
|--------|-----------|-----------|-----------|-------------|----------|----------|
| Elem   | Mo2020    | S_1820    | Si2516    | Sn1899      | Ti3361   | Sr4077   |
| Units  | ppm       | ppm       | ppm       | ppm         | ppm      | ppm      |
| Avg    | -0.000749 | -0.002116 | -0.000915 | F -0.010793 | .0039613 | -.000047 |
| Stddev | .000220   | .001477   | .000161   | .000749     | .0039275 | .000091  |
| %RSD   | 29.40945  | 69.79352  | 17.54871  | 6.940391    | 99.14677 | 195.2248 |
| #1     | -0.000965 | -0.001338 | -0.001077 | -0.010844   | .0083476 | -.000036 |
| #2     | -0.000756 | -0.003819 | -0.000756 | -0.010019   | .0027654 | -.000142 |
| #3     | -0.000525 | -0.001191 | -0.000912 | -0.011515   | .0007707 | .000038  |

|        |             |
|--------|-------------|
| Elem   | Li6707      |
| Units  | ppm         |
| Avg    | F -0.039209 |
| Stddev | .004555     |
| %RSD   | 11.61764    |
| #1     | -0.043110   |
| #2     | -0.040314   |
| #3     | -0.034203   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2514.464 | 27794.45 | 2685.244 | 1967.978 | 3924.405 |
| Stddev    | 1.358    | 68.50    | 14.786   | 10.889   | 2.716    |
| %RSD      | .0539909 | .2464408 | .5506477 | .5533327 | .0692141 |
| #1        | 2513.629 | 27721.37 | 2700.804 | 1955.443 | 3922.076 |
| #2        | 2516.030 | 27804.80 | 2671.378 | 1973.398 | 3923.752 |
| #3        | 2513.733 | 27857.18 | 2683.551 | 1975.095 | 3927.389 |

Sample Name: PB165364BS      Acquired: 12/10/2024 18:09:57      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: LCS364      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0218092 | .0501499 | .0168783 | .0646998 | .1060886 | .4137468 |
| Stddev | .0033094 | .0005867 | .0011623 | .0029418 | .0008854 | .0262463 |
| %RSD   | 15.17415 | 1.169948 | 6.886599 | 4.546774 | .8346200 | 6.343576 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0254436 | .0497308 | .0171129 | .0654433 | .1051337 | .3965479 |
| #2 | .0189695 | .0498985 | .0179053 | .0614577 | .1068825 | .4439568 |
| #3 | .0210147 | .0508205 | .0156165 | .0671985 | .1062496 | .4007355 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4093234 | .0103618 | .0093700 | 10.22390 | .0208632 | .1002937 |
| Stddev | .0024665 | .0000884 | .0000599 | .03919   | .0005266 | .0003230 |
| %RSD   | .6025693 | .8536094 | .6388721 | .3833481 | 2.524091 | .3220006 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4105440 | .0102745 | .0093462 | 10.21896 | .0208304 | .1005760 |
| #2 | .4064847 | .0103597 | .0094381 | 10.18741 | .0203538 | .1003635 |
| #3 | .4109415 | .0104513 | .0093257 | 10.26533 | .0214055 | .0999415 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0550138 | .2193668 | .0316028 | 10.14897 | .0778661 | .0188729 |
| Stddev | .0044244 | .0168486 | .0015614 | .02646   | .0003908 | .0002442 |
| %RSD   | 8.042311 | 7.680543 | 4.940705 | .2606893 | .5018919 | 1.293688 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0587329 | .2024169 | .0329311 | 10.17713 | .0779452 | .0190549 |
| #2 | .0501209 | .2361121 | .0298829 | 10.14516 | .0782113 | .0185954 |
| #3 | .0561876 | .2195715 | .0319944 | 10.12463 | .0774418 | .0189683 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.24193 | .1025421 | .1084216 | 9.775685 | .0174045 | F -.000890 |
| Stddev | .16312   | .0028401 | .0075804 | .093843  | .0013003 | .002326    |
| %RSD   | 1.592717 | 2.769645 | 6.991631 | .9599684 | 7.470963 | 261.2638   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 10.11731 | .1000702 | .0996972 | 9.758308 | .0187656 | -.000716 |
| #2 | 10.18191 | .1019116 | .1133977 | 9.877003 | .0172729 | .001344  |
| #3 | 10.42656 | .1056444 | .1121698 | 9.691746 | .0161750 | -.003298 |

Sample Name: PB165364BS      Acquired: 12/10/2024 18:09:57      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: LCS364      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516     | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .0177020 | .1749439 | F .4706532 | .0126482 | .2026342 | .2109831 |
| Stddev | .0002406 | .0005311 | .0030757   | .0003718 | .0012433 | .0002639 |
| %RSD   | 1.359136 | .3035613 | .6534882   | 2.939563 | .6135597 | .1250705 |
| #1     | .0176900 | .1745130 | .4684243   | .0130774 | .2019728 | .2112876 |
| #2     | .0179484 | .1755372 | .4693732   | .0124241 | .2040684 | .2108397 |
| #3     | .0174677 | .1747816 | .4741622   | .0124432 | .2018615 | .2108219 |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.006820 |
| Stddev | .004276    |
| %RSD   | 62.70046   |
| #1     | -.009947   |
| #2     | -.008567   |
| #3     | -.001947   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2514.042 | 27545.77 | 2694.050 | 1954.770 | 3898.074 |
| Stddev    | 3.818    | 197.41   | 12.537   | 18.603   | 11.922   |
| %RSD      | .1518512 | .7166540 | .4653668 | .9516599 | .3058376 |
| #1        | 2510.485 | 27573.02 | 2708.343 | 1960.741 | 3884.662 |
| #2        | 2513.565 | 27336.15 | 2688.898 | 1933.915 | 3902.093 |
| #3        | 2518.076 | 27728.13 | 2684.910 | 1969.654 | 3907.467 |

Sample Name: PB165351BS      Acquired: 12/10/2024 18:13:58      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: LCS351      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0180158 | .0478752 | .0161490 | .0641013 | .1061401 | .3915164 |
| Stddev | .0022161 | .0004967 | .0017847 | .0024542 | .0014898 | .0024781 |
| %RSD   | 12.30088 | 1.037427 | 11.05142 | 3.828632 | 1.403576 | .6329419 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0183318 | .0483982 | .0140883 | .0648185 | .1044358 | .3888815 |
| #2 | .0200570 | .0478177 | .0171706 | .0613684 | .1067899 | .3938002 |
| #3 | .0156587 | .0474098 | .0171882 | .0661170 | .1071945 | .3918674 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4063930 | .0103646 | .0093516 | 10.16508 | .0210271 | .0995727 |
| Stddev | .0000211 | .0000542 | .0000121 | .03299   | .0002544 | .0000713 |
| %RSD   | .0051958 | .5233914 | .1297329 | .3245826 | 1.209691 | .0716467 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4063800 | .0103510 | .0093609 | 10.14696 | .0213122 | .0994913 |
| #2 | .4063817 | .0103184 | .0093559 | 10.20317 | .0209453 | .0996245 |
| #3 | .4064174 | .0104243 | .0093379 | 10.14513 | .0208236 | .0996023 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0619444 | .2263148 | .0333637 | 10.07216 | .0771604 | .0200963 |
| Stddev | .0017299 | .0239746 | .0013193 | .09581   | .0002714 | .0014192 |
| %RSD   | 2.792618 | 10.59348 | 3.954370 | .9512248 | .3517122 | 7.061884 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0618650 | .2071104 | .0318646 | 10.13777 | .0772415 | .0198870 |
| #2 | .0637126 | .2531848 | .0338784 | 10.11651 | .0768578 | .0187934 |
| #3 | .0602556 | .2186493 | .0343481 | 9.96222  | .0773821 | .0216085 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 9.757025 | .1059081 | .1107055 | 9.364334 | .0186681 | F -.001706 |
| Stddev | .375311  | .0021702 | .0083731 | .048857  | .0016554 | .000460    |
| %RSD   | 3.846576 | 2.049111 | 7.563364 | .5217329 | 8.867529 | 26.98960   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.976256 | .1064706 | .1109588 | 9.331583 | .0173758 | -.002200 |
| #2 | 9.971156 | .1035120 | .1189490 | 9.420490 | .0180945 | -.001289 |
| #3 | 9.323663 | .1077416 | .1022086 | 9.340929 | .0205340 | -.001628 |



Sample Name: PB165351BS      Acquired: 12/10/2024 18:13:58      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: LCS351      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516     | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .0179941 | .1737289 | F .4733749 | .0131819 | .2000800 | .2099483 |
| Stddev | .0004035 | .0025405 | .0038842   | .0003639 | .0023169 | .0006641 |
| %RSD   | 2.242588 | 1.462339 | .8205377   | 2.760914 | 1.157988 | .3163205 |
| #1     | .0183129 | .1764854 | .4766442   | .0128112 | .2018489 | .2104727 |
| #2     | .0181291 | .1732199 | .4743993   | .0135387 | .1974574 | .2101707 |
| #3     | .0175404 | .1714815 | .4690811   | .0131957 | .2009337 | .2092016 |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.011335 |
| Stddev | .004071    |
| %RSD   | 35.91962   |
| #1     | -.013720   |
| #2     | -.006634   |
| #3     | -.013651   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2482.952 | 27250.63 | 2653.928 | 1931.773 | 3863.191 |
| Stddev    | 3.917    | 12.16    | 10.195   | 2.610    | 9.436    |
| %RSD      | .1577585 | .0446216 | .3841528 | .1351267 | .2442596 |
| #1        | 2483.966 | 27245.81 | 2646.682 | 1933.360 | 3865.799 |
| #2        | 2486.262 | 27241.62 | 2649.516 | 1933.199 | 3871.049 |
| #3        | 2478.627 | 27264.46 | 2665.586 | 1928.760 | 3852.726 |

Sample Name: PB165350BL      Acquired: 12/10/2024 18:17:59      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: PBS350      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000526 | .0012202 | -.001306 | .0016929 | .0016674 | .0278021 |
| Stddev | .001609  | .0017605 | .000713  | .0019551 | .0012097 | .0046085 |
| %RSD   | 305.8720 | 144.2802 | 54.63499 | 115.4932 | 72.54836 | 16.57607 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000443 | .0024829 | -.000966 | .0034970 | .0021836 | .0230784 |
| #2 | -.002175 | -.000791 | -.002126 | -.000385 | .0025334 | .0280419 |
| #3 | .001040  | .001969  | -.000826 | .001966  | .0002853 | .0322861 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0020912 | -.000076 | .0000854 | -.048580 | -.001257 | .0002826 |
| Stddev | .0013316 | .000057  | .0000432 | .024389  | .000572  | .0003157 |
| %RSD   | 63.67714 | 74.34177 | 50.56318 | 50.20447 | 45.48476 | 111.7133 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0036198 | -.000141 | .0000591 | -.029527 | -.001900 | .0004327 |
| #2 | .0011825 | -.000041 | .0001353 | -.076066 | -.001063 | -.000080 |
| #3 | .0014714 | -.000046 | .0000619 | -.040146 | -.000807 | .000495  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004174 | .0073270 | .0004953 | -.000541 | -.000709 | .0005378 |
| Stddev | .0035233 | .0108406 | .0014011 | .107363  | .000374  | .0003733 |
| %RSD   | 844.1248 | 147.9536 | 282.8742 | 19858.56 | 52.71445 | 69.40593 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.000225 | -.004897 | -.001113 | .011469  | -.000501 | .0009581 |
| #2 | .004218  | .015774  | .001451  | -.113403 | -.000485 | .0002449 |
| #3 | -.002741 | .011104  | .001149  | .100313  | -.001140 | .0004104 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3181083 | -.002985 | -.002789 | -.334348 | -.000925 | -.003109 |
| Stddev | .1592376 | .006685  | .003674  | .017912  | .001639  | .002477  |
| %RSD   | 50.05766 | 223.9251 | 131.7386 | 5.357154 | 177.2205 | 79.67655 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2165882 | .004625  | .001081  | -.333921 | -.000272 | -.005718 |
| #2 | .5016345 | -.007909 | -.006230 | -.316654 | -.002789 | -.002821 |
| #3 | .2361021 | -.005672 | -.003218 | -.352469 | .000287  | -.000789 |

Sample Name: PB165350BL      Acquired: 12/10/2024 18:17:59      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: PBS350      Custom ID2:      Custom ID3:  
Comment:

|        |           |           |           |             |           |           |
|--------|-----------|-----------|-----------|-------------|-----------|-----------|
| Elem   | Mo2020    | S_1820    | Si2516    | Sn1899      | Ti3361    | Sr4077    |
| Units  | ppm       | ppm       | ppm       | ppm         | ppm       | ppm       |
| Avg    | -0.000778 | -0.003173 | -0.000757 | F -0.010418 | .0016708  | .0001307  |
| Stddev | .000154   | .001098   | .000172   | .000363     | .0019980  | .0002157  |
| %RSD   | 19.86266  | 34.59157  | 22.75327  | 3.488684    | 119.5875  | 164.9867  |
| #1     | -0.000873 | -0.002718 | -0.000622 | -0.009999   | .0013449  | -0.000114 |
| #2     | -0.000599 | -0.004426 | -0.000951 | -0.010649   | -0.000144 | .000212   |
| #3     | -0.000860 | -0.002377 | -0.000698 | -0.010606   | .003812   | .000294   |

|        |             |
|--------|-------------|
| Elem   | Li6707      |
| Units  | ppm         |
| Avg    | F -0.040814 |
| Stddev | .003089     |
| %RSD   | 7.567428    |
| #1     | -0.044372   |
| #2     | -0.038828   |
| #3     | -0.039242   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2508.071 | 27615.50 | 2655.583 | 1947.989 | 3929.348 |
| Stddev    | 2.732    | 182.05   | 16.573   | 13.453   | 10.928   |
| %RSD      | .1089375 | .6592327 | .6240879 | .6905966 | .2781068 |
| #1        | 2507.375 | 27443.94 | 2653.649 | 1935.103 | 3925.933 |
| #2        | 2511.083 | 27596.08 | 2640.062 | 1946.920 | 3941.576 |
| #3        | 2505.753 | 27806.48 | 2673.038 | 1961.945 | 3920.536 |

Sample Name: PB165350BS      Acquired: 12/10/2024 18:22:04      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: LCS350      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0198793 | .0480192 | .0166842 | .0627768 | .1051420 | .4005138 |
| Stddev | .0029917 | .0009951 | .0019704 | .0015509 | .0007845 | .0014707 |
| %RSD   | 15.04946 | 2.072233 | 11.81012 | 2.470543 | .7461092 | .3671917 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0192531 | .0477948 | .0152591 | .0612046 | .1046675 | .3988457 |
| #2 | .0172503 | .0471555 | .0189328 | .0643055 | .1047111 | .4016230 |
| #3 | .0231346 | .0491073 | .0158608 | .0628202 | .1060475 | .4010728 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4082904 | .0104674 | .0093320 | 10.21888 | .0207430 | .1006185 |
| Stddev | .0006520 | .0001034 | .0000668 | .02404   | .0001587 | .0002395 |
| %RSD   | .1596977 | .9881879 | .7159520 | .2352077 | .7652365 | .2379941 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4090371 | .0104638 | .0093718 | 10.19791 | .0205842 | .1003478 |
| #2 | .4080005 | .0103657 | .0092549 | 10.21362 | .0207433 | .1007050 |
| #3 | .4078336 | .0105725 | .0093694 | 10.24511 | .0209017 | .1008027 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0532367 | .2152129 | .0331077 | 10.11124 | .0785051 | .0191622 |
| Stddev | .0049239 | .0310621 | .0010755 | .11884   | .0001641 | .0013433 |
| %RSD   | 9.249079 | 14.43317 | 3.248506 | 1.175321 | .2090621 | 7.009927 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0589208 | .1795739 | .0320996 | 10.20960 | .0786656 | .0180623 |
| #2 | .0502828 | .2295330 | .0329836 | 10.14493 | .0783375 | .0206593 |
| #3 | .0505064 | .2365319 | .0342399 | 9.97919  | .0785121 | .0187652 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 9.836501 | .0991553 | .1079875 | 9.627275 | .0160050 | F -.004365 |
| Stddev | .062424  | .0024963 | .0016207 | .090884  | .0031418 | .002708    |
| %RSD   | .6346109 | 2.517554 | 1.500859 | .9440239 | 19.63023 | 62.04891   |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 9.778896 | .0977919 | .1077836 | 9.566303 | .0137213 | -.002033 |
| #2 | 9.902826 | .1020363 | .1064784 | 9.583792 | .0147056 | -.007335 |
| #3 | 9.827781 | .0976375 | .1097006 | 9.731732 | .0195881 | -.003725 |

Sample Name: PB165350BS      Acquired: 12/10/2024 18:22:04      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: LCS350      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |            |          |          |          |
|--------|----------|----------|------------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516     | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm        | ppm      | ppm      | ppm      |
| Avg    | .0179937 | .1759469 | F .4739915 | .0122529 | .1985120 | .2101155 |
| Stddev | .0003542 | .0005816 | .0008987   | .0011685 | .0044624 | .0008087 |
| %RSD   | 1.968675 | .3305804 | .1895959   | 9.536603 | 2.247949 | .3848859 |
| #1     | .0183734 | .1761481 | .4729539   | .0120719 | .1988629 | .2093282 |
| #2     | .0176721 | .1764012 | .4744986   | .0111854 | .2027886 | .2109441 |
| #3     | .0179355 | .1752914 | .4745221   | .0135013 | .1938845 | .2100742 |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.009215 |
| Stddev | .001419    |
| %RSD   | 15.39640   |
| #1     | -.010445   |
| #2     | -.007663   |
| #3     | -.009536   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2493.475 | 27480.27 | 2659.990 | 1945.496 | 3876.824 |
| Stddev    | 10.464   | 8.33     | 7.810    | 5.765    | 13.732   |
| %RSD      | .4196398 | .0303161 | .2936001 | .2963023 | .3542195 |
| #1        | 2483.626 | 27472.49 | 2651.592 | 1950.720 | 3862.168 |
| #2        | 2504.461 | 27489.06 | 2667.034 | 1939.311 | 3889.395 |
| #3        | 2492.338 | 27479.26 | 2661.343 | 1946.457 | 3878.909 |

Sample Name: CCV090      Acquired: 12/10/2024 18:26:03      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV090      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.928887 | 4.901433 | 24.93959 | 4.760284 | 4.839254 | 399.5872   |
| Stddev | .023847  | .020221  | .09706   | .024082  | .016021  | 1.4996     |
| %RSD   | .4838223 | .4125565 | .3891860 | .5058902 | .3310555 | .3752917   |
| #1     | 4.923919 | 4.889471 | 24.86718 | 4.742673 | 4.824509 | 400.7595   |
| #2     | 4.907915 | 4.890048 | 24.90172 | 4.750453 | 4.836953 | 397.8974   |
| #3     | 4.954826 | 4.924780 | 25.04988 | 4.787726 | 4.856301 | 400.1048   |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.12509 | .5041438 | 2.508260 | 405.2378 | 15.60971 | 2.526815   |
| Stddev | .04109   | .0046286 | .009799  | 1.1623   | .01204   | .010544    |
| %RSD   | .4058083 | .9181016 | .3906888 | .2868120 | .0771256 | .4172752   |
| #1     | 10.15170 | .5085485 | 2.499341 | 406.2728 | 15.60749 | 2.517898   |
| #2     | 10.07777 | .4993199 | 2.506687 | 403.9804 | 15.59893 | 2.524096   |
| #3     | 10.14580 | .5045630 | 2.518750 | 405.4601 | 15.62270 | 2.538453   |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 15.06968 | 406.8036 | 14.96942 | 406.1755 | 2.521291 | 1.252044   |
| Stddev | .02058   | 1.7643   | .04752   | .5961    | .008692  | .000792    |
| %RSD   | .1365661 | .4337083 | .3174660 | .1467603 | .3447259 | .0632414   |
| #1     | 15.06344 | 408.2259 | 15.01648 | 405.7619 | 2.514600 | 1.251154   |
| #2     | 15.05294 | 404.8292 | 14.92144 | 405.9058 | 2.518160 | 1.252669   |
| #3     | 15.09265 | 407.3556 | 14.97036 | 406.8588 | 2.531115 | 1.252310   |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 400.4574 | 2.518448 | 14.77530 | 152.5548 | 5.002156 | F 4.165039 |
| Stddev | .6264    | .011870  | .15856   | .4888    | .024410  | .037151    |
| %RSD   | .1564176 | .4713101 | 1.073122 | .3204097 | .4879895 | .8919611   |
| #1     | 400.6778 | 2.531473 | 14.68154 | 152.5408 | 4.980813 | 4.197484   |
| #2     | 399.7506 | 2.515629 | 14.95837 | 152.0732 | 4.996883 | 4.124513   |
| #3     | 400.9438 | 2.508242 | 14.68600 | 153.0505 | 5.028771 | 4.173120   |

Sample Name: CCV090      Acquired: 12/10/2024 18:26:03      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV090      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.825736 | 5.033655 | 4.935018 | 5.032312 | 5.017230 | 4.847350 |
| Stddev | .016000  | .029110  | .054995  | .023357  | .007957  | .007006  |
| %RSD   | .3315603 | .5783125 | 1.114388 | .4641330 | .1585933 | .1445345 |
| #1     | 4.811335 | 5.002915 | 4.984253 | 5.009445 | 5.023850 | 4.849892 |
| #2     | 4.822913 | 5.037249 | 4.875667 | 5.031362 | 5.019438 | 4.839427 |
| #3     | 4.842960 | 5.060801 | 4.945132 | 5.056129 | 5.008402 | 4.852729 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | 5.053269 |
| Stddev | .024428  |
| %RSD   | .4834179 |
| #1     | 5.074454 |
| #2     | 5.026548 |
| #3     | 5.058804 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2110.666 | 24155.30 | 2585.029 | 1607.210 | 3106.505 |
| Stddev    | 4.720    | 56.27    | 20.282   | 11.454   | 7.579    |
| %RSD      | .2236070 | .2329499 | .7845796 | .7126760 | .2439583 |
| #1        | 2116.115 | 24218.05 | 2566.253 | 1611.626 | 3115.243 |
| #2        | 2108.027 | 24109.32 | 2606.539 | 1594.205 | 3102.557 |
| #3        | 2107.855 | 24138.54 | 2582.294 | 1615.799 | 3101.716 |

Sample Name: CCB090      Acquired: 12/10/2024 18:29:44      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB090      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001496 | .0017547 | -.000025 | .0067262 | .0002541 | .0057372 |
| Stddev | .002335  | .0010944 | .001330  | .0033896 | .0005715 | .0240778 |
| %RSD   | 156.0426 | 62.37322 | 5304.558 | 50.39481 | 224.9386 | 419.6764 |
| #1     | .000115  | .0028461 | -.000027 | .0094100 | -.000130 | -.017977 |
| #2     | -.000430 | .0006573 | -.001355 | .0029170 | .000911  | .005027  |
| #3     | -.004174 | .0017605 | .001306  | .0078516 | -.000019 | .030163  |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0003336 | -.000035 | .0000794 | .0602072 | -.001083 | .0001745 |
| Stddev | .0012691 | .000104  | .0000422 | .0198071 | .000493  | .0000915 |
| %RSD   | 380.4373 | 298.1970 | 53.17854 | 32.89821 | 45.53038 | 52.43496 |
| #1     | -.000912 | .000059  | .0001232 | .0507472 | -.001341 | .0002793 |
| #2     | .000287  | -.000146 | .0000760 | .0469039 | -.001394 | .0001103 |
| #3     | .001625  | -.000017 | .0000390 | .0829706 | -.000514 | .0001341 |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0010158 | .0221267 | .0010530 | -.019814 | -.000212 | -.000942 |
| Stddev | .0012131 | .0400294 | .0017237 | .127146  | .000611  | .001234  |
| %RSD   | 119.4257 | 180.9096 | 163.7035 | 641.6850 | 288.3008 | 131.0000 |
| #1     | -.000050 | .0600912 | -.000836 | .054139  | .000353  | -.002157 |
| #2     | .000761  | -.019689 | .002540  | -.166629 | -.000861 | -.000981 |
| #3     | .002336  | .025978  | .001456  | .053046  | -.000127 | .000311  |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.198652 | .0011064 | .0001775 | -.035395 | -.002861 | .0117732 |
| Stddev | .478711  | .0050230 | .0060336 | .195654  | .002162  | .0003786 |
| %RSD   | 240.9798 | 453.9808 | 3399.177 | 552.7672 | 75.54715 | 3.215806 |
| #1     | -.607849 | -.004232 | -.006494 | -.186749 | -.002376 | .0120204 |
| #2     | -.315897 | .005739  | .001776  | .185539  | -.005224 | .0113374 |
| #3     | .327789  | .001812  | .005251  | -.104976 | -.000984 | .0119619 |



Sample Name: CCB090      Acquired: 12/10/2024 18:29:44      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB090      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | -.000513 | -.006070 | -.000356 | F -.010088 | .0042525 | .0002400 |
| Stddev | .000193  | .004857  | .000450  | .000282    | .0035783 | .0002583 |
| %RSD   | 37.71562 | 80.01954 | 126.5313 | 2.796533   | 84.14578 | 107.6251 |
| #1     | -.000481 | -.001032 | -.000726 | -.009767   | .0007006 | .0004886 |
| #2     | -.000337 | -.006453 | -.000486 | -.010203   | .0078567 | .0002587 |
| #3     | -.000720 | -.010723 | .000145  | -.010295   | .0042002 | -.000027 |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.022281 |
| Stddev | .002152    |
| %RSD   | 9.657544   |
| #1     | -.022728   |
| #2     | -.019941   |
| #3     | -.024174   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2529.547 | 27820.01 | 2688.185 | 1968.046 | 3941.010 |
| Stddev    | 15.361   | 49.98    | 4.735    | 6.863    | 22.852   |
| %RSD      | .6072625 | .1796422 | .1761558 | .3487096 | .5798599 |
| #1        | 2530.031 | 27762.36 | 2691.221 | 1960.576 | 3943.271 |
| #2        | 2544.660 | 27851.04 | 2690.605 | 1974.072 | 3962.648 |
| #3        | 2513.949 | 27846.63 | 2682.728 | 1969.491 | 3917.111 |

Sample Name: P5041-01      Acquired: 12/10/2024 18:33:50      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2394960 | .0074021 | 9.663514 | .0034025 | -.005291 | 65.59257 |
| Stddev | .0036207 | .0025113 | .025281  | .0031466 | .000868  | .17505   |
| %RSD   | 1.511810 | 33.92628 | .2616155 | 92.47965 | 16.40689 | .2668757 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2434550 | .0092437 | 9.638658 | -.000129 | -.004930 | 65.62083 |
| #2 | .2386801 | .0045415 | 9.662684 | .004430  | -.006282 | 65.75177 |
| #3 | .2363528 | .0084212 | 9.689200 | .005907  | -.004662 | 65.40510 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.475690 | .0067769 | .0114871 | 172.8325 | .1614559 | .1107733 |
| Stddev | .010073  | .0000810 | .0000319 | .4137    | .0018697 | .0007578 |
| %RSD   | .4068748 | 1.194772 | .2776449 | .2393439 | 1.158041 | .6840959 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.472467 | .0066838 | .0115236 | 173.1189 | .1611983 | .1101468 |
| #2 | 2.486979 | .0068159 | .0114650 | 173.0204 | .1597284 | .1105575 |
| #3 | 2.467622 | .0068311 | .0114726 | 172.3582 | .1634411 | .1116156 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4421211 | 133.5144 | 9.472684 | 23.59242 | .1888673 | -.007249 |
| Stddev | .0033218 | .2355    | .030617  | .07932   | .0005789 | .001090  |
| %RSD   | .7513399 | .1763752 | .3232161 | .3362240 | .3065350 | 15.03764 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4421052 | 133.5844 | 9.496777 | 23.57610 | .1886465 | -.007049 |
| #2 | .4454508 | 133.7069 | 9.483046 | 23.67864 | .1884312 | -.006272 |
| #3 | .4388072 | 133.2518 | 9.438231 | 23.52253 | .1895241 | -.008425 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | 1.124758 | .3563445 | 3.079255 | 7.987114 | F 18.47128 | -.338955 |
| Stddev | .282646  | .0049433 | .021587  | .152292  | .03534     | .006419  |
| %RSD   | 25.12948 | 1.387219 | .7010469 | 1.906720 | .1913014   | 1.893888 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .899451  | .3575977 | 3.077556 | 7.993373 | 18.44257 | -.342255 |
| #2 | 1.032921 | .3605406 | 3.058568 | 7.831788 | 18.46052 | -.331557 |
| #3 | 1.441902 | .3508953 | 3.101641 | 8.136179 | 18.51074 | -.343054 |

Sample Name: P5041-01      Acquired: 12/10/2024 18:33:50      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0212035 | 3.458861 | 4.905383 | .2101124 | .8283080 | .6221564 |
| Stddev | .0001649 | .013347  | .002529  | .0003207 | .0030113 | .0024813 |
| %RSD   | .7777195 | .3858788 | .0515471 | .1526083 | .3635523 | .3988297 |
| #1     | .0213242 | 3.443680 | 4.904763 | .2098061 | .8286774 | .6240185 |
| #2     | .0212706 | 3.464150 | 4.908164 | .2104457 | .8311176 | .6231112 |
| #3     | .0210156 | 3.468753 | 4.903222 | .2100854 | .8251290 | .6193395 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | .0911111 |
| Stddev | .0043257 |
| %RSD   | 4.747737 |
| #1     | .0883201 |
| #2     | .0889191 |
| #3     | .0960940 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2927.112 | 31689.08 | 3172.789 | 2268.878 | 3813.693 |
| Stddev    | 7.914    | 349.13   | 10.630   | 27.179   | 18.200   |
| %RSD      | .2703830 | 1.101747 | .3350223 | 1.197917 | .4772242 |
| #1        | 2934.536 | 31948.02 | 3184.735 | 2282.887 | 3829.451 |
| #2        | 2928.016 | 31827.20 | 3169.257 | 2286.195 | 3817.857 |
| #3        | 2918.785 | 31292.02 | 3164.375 | 2237.552 | 3793.773 |

Sample Name: P5041-02      Acquired: 12/10/2024 18:37:40      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2312064 | .0059890 | 9.560599 | .0029381 | -.003994 | 65.53130 |
| Stddev | .0035231 | .0007677 | .046451  | .0051157 | .001969  | .15461   |
| %RSD   | 1.523794 | 12.81808 | .4858538 | 174.1197 | 49.29545 | .2359321 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2308943 | .0058351 | 9.590432 | -.002632 | -.003166 | 65.56120 |
| #2 | .2348751 | .0053099 | 9.584285 | .004020  | -.002575 | 65.36393 |
| #3 | .2278497 | .0068219 | 9.507080 | .007426  | -.006242 | 65.66879 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.453205 | .0067272 | .0114550 | 171.8328 | .1583459 | .1098403 |
| Stddev | .002098  | .0000407 | .0001111 | .4116    | .0003159 | .0007823 |
| %RSD   | .0855049 | .6043810 | .9702341 | .2395441 | .1995243 | .7121918 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 2.454939 | .0067318 | .0115593 | 172.0433 | .1580010 | .1103990 |
| #2 | 2.450873 | .0066844 | .0114674 | 171.3585 | .1584154 | .1101757 |
| #3 | 2.453803 | .0067653 | .0113381 | 172.0966 | .1586213 | .1089463 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4379902 | 132.3762 | 9.462725 | 23.62938 | .1875676 | -.006985 |
| Stddev | .0076794 | .4436    | .029987  | .12781   | .0010868 | .000266  |
| %RSD   | 1.753326 | .3351277 | .3168997 | .5409027 | .5794308 | 3.802452 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4298476 | 132.3216 | 9.488471 | 23.75641 | .1885970 | -.007291 |
| #2 | .4390208 | 131.9624 | 9.429800 | 23.63093 | .1876746 | -.006822 |
| #3 | .4451023 | 132.8446 | 9.469905 | 23.50080 | .1864312 | -.006840 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | .6967740 | .3525237 | 3.053755 | 7.948310 | F 18.21283 | -.338265 |
| Stddev | .6714712 | .0037073 | .003885  | .182515  | .08816     | .001865  |
| %RSD   | 96.36858 | 1.051659 | .1272086 | 2.296271 | .4840340   | .5512225 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .9678575 | .3568039 | 3.049568 | 7.796693 | 18.27565 | -.336430 |
| #2 | 1.190326 | .3504482 | 3.057243 | 7.897347 | 18.25078 | -.340158 |
| #3 | -.067861 | .3503191 | 3.054455 | 8.150889 | 18.11205 | -.338208 |

Sample Name: P5041-02      Acquired: 12/10/2024 18:37:40      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0211180 | 3.392633 | 4.876054 | .2072082 | .8297093 | .6242348 |
| Stddev | .0001344 | .020719  | .019206  | .0010451 | .0051540 | .0027929 |
| %RSD   | .6364508 | .6107062 | .3938822 | .5043873 | .6211764 | .4474148 |
| #1     | .0212718 | 3.411758 | 4.870651 | .2060309 | .8356603 | .6271561 |
| #2     | .0210231 | 3.395518 | 4.860128 | .2080267 | .8266793 | .6215910 |
| #3     | .0210591 | 3.370623 | 4.897382 | .2075669 | .8267884 | .6239575 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | .0900102 |
| Stddev | .0016495 |
| %RSD   | 1.832570 |
| #1     | .0914886 |
| #2     | .0882310 |
| #3     | .0903110 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2890.768 | 31584.35 | 3116.520 | 2252.510 | 3786.376 |
| Stddev    | 9.721    | 35.45    | 15.768   | 3.797    | 15.791   |
| %RSD      | .3362808 | .1122413 | .5059419 | .1685568 | .4170570 |
| #1        | 2886.887 | 31607.67 | 3122.430 | 2256.410 | 3781.342 |
| #2        | 2883.586 | 31543.55 | 3128.479 | 2252.295 | 3773.716 |
| #3        | 2901.830 | 31601.83 | 3098.651 | 2248.825 | 3804.071 |

Sample Name: P5041-01LX5      Acquired: 12/10/2024 18:41:28      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0480449 | .0021125 | 1.984514 | .0054391 | -.002851 | 14.94117 | .5656299 |
| Stddev | .0031876 | .0011559 | .002557  | .0014450 | .000414  | .04999   | .0028004 |
| %RSD   | 6.634574 | 54.71421 | .1288386 | 26.56699 | 14.53237 | .3345956 | .4950989 |
| #1     | .0513175 | .0019220 | 1.986683 | .0048473 | -.003123 | 14.88715 | .5636429 |
| #2     | .0478674 | .0033518 | 1.985162 | .0070860 | -.003055 | 14.95057 | .5644141 |
| #3     | .0449498 | .0010638 | 1.981695 | .0043839 | -.002374 | 14.98580 | .5688328 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0015834 | .0022981 | 39.63291 | .0351345 | .0331792 | .0988898 | 30.66144 |
| Stddev | .0001408 | .0001080 | .08785   | .0007395 | .0005109 | .0056262 | .08445   |
| %RSD   | 8.893621 | 4.701456 | .2216628 | 2.104757 | 1.539798 | 5.689407 | .2754116 |
| #1     | .0014436 | .0024181 | 39.57734 | .0351773 | .0334443 | .0946320 | 30.68492 |
| #2     | .0015813 | .0022676 | 39.73419 | .0358517 | .0325903 | .0967692 | 30.56774 |
| #3     | .0017252 | .0022086 | 39.58720 | .0343745 | .0335031 | .1052682 | 30.73167 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.181671 | 5.358811 | .0373478 | -.002630 | .4552964 | .0779713 | .6902641 |
| Stddev | .007057  | .080061  | .0010120 | .001542  | .5407217 | .0087086 | .0087114 |
| %RSD   | .3234862 | 1.493998 | 2.709689 | 58.61925 | 118.7626 | 11.16898 | 1.262043 |
| #1     | 2.175456 | 5.334859 | .0373985 | -.001856 | -.109236 | .0706589 | .6985061 |
| #2     | 2.189343 | 5.448113 | .0383334 | -.004405 | .506570  | .0756494 | .6811490 |
| #3     | 2.180213 | 5.293460 | .0363113 | -.001629 | .968555  | .0876055 | .6911372 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.568746 | 3.718199 | -.080254 | .0040837 | .6839369 | 1.134186 | .0345187 |
| Stddev | .086944  | .004487  | .000633  | .0002351 | .0021807 | .003163  | .0006358 |
| %RSD   | 5.542269 | .1206899 | .7882227 | 5.756649 | .3188388 | .2788811 | 1.841768 |
| #1     | 1.468552 | 3.722841 | -.080420 | .0039652 | .6857207 | 1.130542 | .0347995 |
| #2     | 1.624328 | 3.713884 | -.079555 | .0039315 | .6815059 | 1.136214 | .0337908 |
| #3     | 1.613358 | 3.717871 | -.080788 | .0043545 | .6845841 | 1.135803 | .0349656 |

Sample Name: P5041-01LX5      Acquired: 12/10/2024 18:41:28      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1867954 | .1424149 | -.002460 |
| Stddev | .0040717 | .0010537 | .004661  |
| %RSD   | 2.179752 | .7398631 | 189.4717 |
| #1     | .1872423 | .1416273 | .002826  |
| #2     | .1906252 | .1436118 | -.004226 |
| #3     | .1825187 | .1420055 | -.005981 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2582.949 | 28469.79 | 2754.704 | 2012.852 | 3850.310 |
| Stddev    | 5.370    | 113.23   | 15.805   | 6.056    | 5.980    |
| %RSD      | .2078849 | .3977122 | .5737304 | .3008870 | .1553011 |
| #1        | 2578.543 | 28451.21 | 2770.983 | 2012.739 | 3845.922 |
| #2        | 2588.930 | 28591.16 | 2739.421 | 2018.964 | 3857.121 |
| #3        | 2581.373 | 28367.00 | 2753.710 | 2006.853 | 3847.888 |

Sample Name: P5041-03      Acquired: 12/10/2024 18:45:24      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3182951 | .0981249 | 9.494938 | .1507188 | .1529614 | 69.14714 |
| Stddev | .0026020 | .0027555 | .056698  | .0011682 | .0009796 | 2.63245  |
| %RSD   | .8174961 | 2.808192 | .5971349 | .7751115 | .6404248 | 3.807022 |
| #1     | .3156196 | .0996914 | 9.557741 | .1505873 | .1530117 | 72.18658 |
| #2     | .3184488 | .0997401 | 9.479551 | .1496218 | .1519575 | 67.66095 |
| #3     | .3208169 | .0949432 | 9.447522 | .1519472 | .1539148 | 67.59388 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 6.096958 | .0974655 | .1039023 | 171.8238 | .5249846 | 1.086831 |
| Stddev | .217635  | .0031448 | .0006352 | 6.4375   | .0107018 | .007009  |
| %RSD   | 3.569570 | 3.226622 | .6113100 | 3.746589 | 2.038504 | .6449085 |
| #1     | 6.348260 | .1010482 | .1046156 | 179.2526 | .5127969 | 1.094208 |
| #2     | 5.971944 | .0951610 | .1036935 | 168.3357 | .5328459 | 1.086026 |
| #3     | 5.970668 | .0961873 | .1033979 | 167.8831 | .5293111 | 1.080259 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .8669256 | 134.7619 | 10.29128 | 23.42294 | 1.172917 | .0740759 |
| Stddev | .0392467 | 5.2682   | .35234   | .90772   | .008709  | .0001488 |
| %RSD   | 4.527110 | 3.909299 | 3.423669 | 3.875366 | .7424753 | .2008809 |
| #1     | .9116518 | 140.8302 | 10.69793 | 24.46731 | 1.182039 | .0740098 |
| #2     | .8382397 | 132.0958 | 10.07718 | 22.97772 | 1.172023 | .0739716 |
| #3     | .8508854 | 131.3595 | 10.09872 | 22.82378 | 1.164690 | .0742463 |

|        |          |          |          |          |            |          |
|--------|----------|----------|----------|----------|------------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774     | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm        | ppm      |
| Avg    | .9006630 | 1.266608 | 3.753619 | 8.052604 | F 17.99994 | -.330767 |
| Stddev | .6871720 | .056620  | .062363  | .262596  | .09551     | .011340  |
| %RSD   | 76.29625 | 4.470186 | 1.661397 | 3.261009 | .5306182   | 3.428275 |
| #1     | .7465166 | 1.331300 | 3.684660 | 8.354610 | 18.10450   | -.342592 |
| #2     | .3036556 | 1.242450 | 3.806059 | 7.878129 | 17.97804   | -.319985 |
| #3     | 1.651817 | 1.226075 | 3.770137 | 7.925072 | 17.91728   | -.329726 |



Sample Name: P5041-03      Acquired: 12/10/2024 18:45:24      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHK78S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0209460 | 3.383938 | 4.806402 | .2049373 | .8222690 | .6163751 |
| Stddev | .0001743 | .017572  | .150459  | .0027520 | .0274326 | .0203945 |
| %RSD   | .8319475 | .5192637 | 3.130394 | 1.342856 | 3.336203 | 3.308775 |
| #1     | .0209128 | 3.399463 | 4.976164 | .2075368 | .8536505 | .6398604 |
| #2     | .0207906 | 3.387490 | 4.689528 | .2052204 | .8028437 | .6031278 |
| #3     | .0211344 | 3.364862 | 4.753514 | .2020547 | .8103128 | .6061371 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | .0900121 |
| Stddev | .0073629 |
| %RSD   | 8.179896 |
| #1     | .0972064 |
| #2     | .0903384 |
| #3     | .0824915 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2923.196 | 32354.17 | 3135.787 | 2294.206 | 3839.623 |
| Stddev    | 9.698    | 466.63   | 109.773  | 31.426   | 19.813   |
| %RSD      | .3317564 | 1.442260 | 3.500663 | 1.369781 | .5160267 |
| #1        | 2915.191 | 32859.17 | 3010.081 | 2329.611 | 3819.916 |
| #2        | 2920.417 | 31938.96 | 3212.736 | 2269.616 | 3839.412 |
| #3        | 2933.980 | 32264.39 | 3184.545 | 2283.392 | 3859.541 |

Sample Name: P5042-01      Acquired: 12/10/2024 18:49:13      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1284278 | .0072712 | 2.500005 | -.001371 | -.002788 | 68.96950 | 1.497378 |
| Stddev | .0015994 | .0007306 | .036268  | .003693  | .004879  | 1.00226  | .023163  |
| %RSD   | 1.245375 | 10.04760 | 1.450723 | 269.3792 | 175.0115 | 1.453188 | 1.546881 |
| #1     | .1293541 | .0077421 | 2.480720 | -.005348 | -.008378 | 69.48077 | 1.505848 |
| #2     | .1293483 | .0064296 | 2.541841 | -.000714 | .000613  | 67.81472 | 1.471173 |
| #3     | .1265809 | .0076420 | 2.477454 | .001949  | -.000598 | 69.61302 | 1.515114 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072107 | .0084479 | 133.2050 | .1171192 | .1257808 | .4904064 | 173.2357 |
| Stddev | .0000873 | .0001017 | 1.9199   | .0007401 | .0015443 | .0139856 | 2.3778   |
| %RSD   | 1.210971 | 1.203335 | 1.441340 | .6319437 | 1.227727 | 2.851835 | 1.372605 |
| #1     | .0072795 | .0084770 | 134.1903 | .1173508 | .1247044 | .4980386 | 174.5500 |
| #2     | .0072401 | .0085318 | 130.9924 | .1177159 | .1275502 | .4742652 | 170.4908 |
| #3     | .0071124 | .0083349 | 134.4321 | .1162910 | .1250878 | .4989154 | 174.6663 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.37916 | 38.44643 | .1971514 | -.011429 | .8740198 | .1570916 | 1.661234 |
| Stddev | .20132   | .40923   | .0019440 | .000419  | .6916265 | .0031173 | .014887  |
| %RSD   | 1.504739 | 1.064405 | .9860301 | 3.663329 | 79.13168 | 1.984406 | .8961693 |
| #1     | 13.47756 | 38.74188 | .1965034 | -.011720 | 1.200717 | .1581122 | 1.659446 |
| #2     | 13.14756 | 37.97934 | .1993366 | -.011619 | .079562  | .1535919 | 1.647322 |
| #3     | 13.51234 | 38.61809 | .1956142 | -.010949 | 1.341780 | .1595706 | 1.676935 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.459074 | 8.663444 | -.460350 | .0059322 | 2.754918 | 5.828430 | .3464366 |
| Stddev | .156874  | .124066  | .002676  | .0002050 | .045025  | .047354  | .0059447 |
| %RSD   | 1.658447 | 1.432062 | .5812980 | 3.455954 | 1.634361 | .8124656 | 1.715967 |
| #1     | 9.430450 | 8.605680 | -.461060 | .0057527 | 2.724742 | 5.878723 | .3469719 |
| #2     | 9.318483 | 8.805859 | -.457391 | .0058883 | 2.806672 | 5.784700 | .3520955 |
| #3     | 9.628288 | 8.578792 | -.462600 | .0061556 | 2.733342 | 5.821867 | .3402423 |

Sample Name: P5042-01      Acquired: 12/10/2024 18:49:13      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6196112 | .9512900 | .0385422 |
| Stddev | .0105070 | .0158011 | .0044963 |
| %RSD   | 1.695742 | 1.661013 | 11.66580 |
| #1     | .6204938 | .9594490 | .0406038 |
| #2     | .6086907 | .9330774 | .0333848 |
| #3     | .6296490 | .9613437 | .0416380 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2989.100 | 32574.78 | 3264.621 | 2321.097 | 3726.991 |
| Stddev    | 24.880   | 122.15   | 14.544   | 5.455    | 42.280   |
| %RSD      | .8323669 | .3749706 | .4455028 | .2350074 | 1.134415 |
| #1        | 2996.495 | 32711.81 | 3248.533 | 2327.197 | 3748.018 |
| #2        | 2961.361 | 32477.34 | 3276.838 | 2316.688 | 3678.320 |
| #3        | 3009.445 | 32535.20 | 3268.491 | 2319.406 | 3754.634 |

Sample Name: P5042-02      Acquired: 12/10/2024 18:53:02      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1287286 | .0072564 | 2.491583 | -.000657 | -.003992 | 69.04628 | 1.508956 |
| Stddev | .0011875 | .0008990 | .004015  | .001615  | .000722  | .61159   | .009107  |
| %RSD   | .9224953 | 12.38934 | .1611304 | 245.7596 | 18.08776 | .8857624 | .6035320 |
| #1     | .1279456 | .0068121 | 2.491863 | .001183  | -.004346 | 68.60917 | 1.504070 |
| #2     | .1281452 | .0066660 | 2.495450 | -.001841 | -.004467 | 68.78448 | 1.503334 |
| #3     | .1300950 | .0082910 | 2.487436 | -.001313 | -.003161 | 69.74518 | 1.519463 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0071765 | .0083805 | 133.9119 | .1165361 | .1244751 | .5014670 | 174.2288 |
| Stddev | .0001950 | .0001311 | 1.1960   | .0019817 | .0003093 | .0080319 | 1.4948   |
| %RSD   | 2.716550 | 1.564828 | .8931553 | 1.700496 | .2484470 | 1.601672 | .8579558 |
| #1     | .0070522 | .0084815 | 133.1699 | .1175168 | .1241470 | .4933870 | 173.1481 |
| #2     | .0070762 | .0084278 | 133.2742 | .1142553 | .1245170 | .5094498 | 173.6035 |
| #3     | .0074012 | .0082323 | 135.2917 | .1178362 | .1247612 | .5015643 | 175.9347 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.38729 | 38.39321 | .1945308 | -.010049 | .8509782 | .1665441 | 1.641094 |
| Stddev | .13591   | .47782   | .0010745 | .000809  | .4227719 | .0022895 | .026162  |
| %RSD   | 1.015246 | 1.244535 | .5523289 | 8.050461 | 49.68070 | 1.374695 | 1.594206 |
| #1     | 13.31380 | 38.25545 | .1954610 | -.009962 | 1.117258 | .1689645 | 1.656924 |
| #2     | 13.30395 | 37.99941 | .1947767 | -.009287 | 1.072179 | .1644131 | 1.610896 |
| #3     | 13.54413 | 38.92478 | .1933547 | -.010898 | .363497  | .1662546 | 1.655463 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 9.494141 | 8.644209 | -.463560 | .0060098 | 2.747731 | 5.802488 | .3471474 |
| Stddev | .176594  | .012872  | .012528  | .0002148 | .009979  | .116631  | .0011658 |
| %RSD   | 1.860032 | .1489099 | 2.702520 | 3.574785 | .3631891 | 2.010017 | .3358099 |
| #1     | 9.318739 | 8.640905 | -.458666 | .0060022 | 2.755970 | 5.746154 | .3476830 |
| #2     | 9.491779 | 8.658411 | -.454218 | .0057989 | 2.736635 | 5.724718 | .3458101 |
| #3     | 9.671904 | 8.633311 | -.477796 | .0062283 | 2.750589 | 5.936592 | .3479491 |

Sample Name: P5042-02      Acquired: 12/10/2024 18:53:02      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6248292 | .9515195 | .0379391 |
| Stddev | .0047785 | .0097704 | .0021149 |
| %RSD   | .7647750 | 1.026824 | 5.574424 |
| #1     | .6202262 | .9478598 | .0403633 |
| #2     | .6244956 | .9441072 | .0369828 |
| #3     | .6297658 | .9625914 | .0364712 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 3019.799 | 32905.82 | 3285.676 | 2351.826 | 3762.324 |
| Stddev    | 8.130    | 396.52   | 50.358   | 29.943   | 9.016    |
| %RSD      | .2692397 | 1.205024 | 1.532653 | 1.273160 | .2396466 |
| #1        | 3012.354 | 32770.50 | 3309.574 | 2349.318 | 3751.944 |
| #2        | 3018.568 | 33352.29 | 3319.635 | 2382.944 | 3766.814 |
| #3        | 3028.475 | 32594.67 | 3227.818 | 2323.216 | 3768.214 |

Sample Name: P5042-01LX5      Acquired: 12/10/2024 18:56:51      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0241831 | .0028728 | .4962245 | .0004008 | -.001211 | 15.82763 | .3478329 |
| Stddev | .0010472 | .0011334 | .0057135 | .0023017 | .001806  | .02190   | .0012219 |
| %RSD   | 4.330419 | 39.45128 | 1.151388 | 574.2424 | 149.1140 | .1383808 | .3512970 |
| #1     | .0246696 | .0023939 | .5015312 | .0012413 | -.002292 | 15.80418 | .3486038 |
| #2     | .0229811 | .0041670 | .4969657 | -.002203 | .000874  | 15.83114 | .3484709 |
| #3     | .0248987 | .0020575 | .4901766 | .002164  | -.002215 | 15.84757 | .3464240 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0016763 | .0016867 | 30.88387 | .0258782 | .0331510 | .1153704 | 40.28345 |
| Stddev | .0001230 | .0000045 | .03725   | .0013073 | .0001367 | .0037585 | .06975   |
| %RSD   | 7.335398 | .2685833 | .1206252 | 5.051759 | .4124349 | 3.257770 | .1731386 |
| #1     | .0018179 | .0016868 | 30.85901 | .0270430 | .0331989 | .1196276 | 40.35897 |
| #2     | .0016144 | .0016912 | 30.86589 | .0244643 | .0332574 | .1139724 | 40.26994 |
| #3     | .0015965 | .0016822 | 30.92670 | .0261275 | .0329968 | .1125112 | 40.22145 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.110861 | 8.874163 | .0383027 | -.003026 | .1901624 | .0412734 | .3813697 |
| Stddev | .008797  | .064238  | .0006507 | .000598  | .5528979 | .0056571 | .0055297 |
| %RSD   | .2827947 | .7238772 | 1.698756 | 19.77565 | 290.7505 | 13.70642 | 1.449958 |
| #1     | 3.111187 | 8.809738 | .0385812 | -.003438 | -.427903 | .0440385 | .3858685 |
| #2     | 3.101906 | 8.938213 | .0387678 | -.003299 | .360657  | .0450161 | .3751962 |
| #3     | 3.119492 | 8.874539 | .0375591 | -.002339 | .637733  | .0347655 | .3830443 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.877256 | 1.692451 | -.113003 | .0006976 | .5357538 | 1.404674 | .0589650 |
| Stddev | .086719  | .014187  | .001793  | .0002669 | .0059965 | .003340  | .0014701 |
| %RSD   | 4.619479 | .8382520 | 1.586924 | 38.25490 | 1.119257 | .2377944 | 2.493224 |
| #1     | 1.912112 | 1.708403 | -.113231 | .0009973 | .5423831 | 1.406890 | .0594036 |
| #2     | 1.941124 | 1.687701 | -.114671 | .0004856 | .5307080 | 1.406300 | .0573255 |
| #3     | 1.778532 | 1.681248 | -.111107 | .0006100 | .5341702 | 1.400832 | .0601659 |

Sample Name: P5042-01LX5      Acquired: 12/10/2024 18:56:51      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1435485 | .2201422 | -.024976 |
| Stddev | .0028228 | .0007407 | .003522  |
| %RSD   | 1.966429 | .3364738 | 14.09993 |
| #1     | .1408574 | .2205652 | -.024463 |
| #2     | .1464867 | .2192869 | -.028726 |
| #3     | .1433015 | .2205746 | -.021739 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2613.962 | 28879.13 | 2803.304 | 2049.178 | 3845.175 |
| Stddev    | 14.834   | 135.52   | 19.267   | 13.026   | 29.014   |
| %RSD      | .5674795 | .4692698 | .6872932 | .6356926 | .7545684 |
| #1        | 2596.923 | 28772.75 | 2801.635 | 2035.115 | 3811.820 |
| #2        | 2620.967 | 29031.71 | 2784.927 | 2060.831 | 3859.128 |
| #3        | 2623.996 | 28832.93 | 2823.352 | 2051.589 | 3864.576 |

Sample Name: P5042-03      Acquired: 12/10/2024 19:00:46      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2088738 | .0965660 | 2.449293 | .1429665 | .1485082 | 70.40306 | 4.864656 |
| Stddev | .0036036 | .0014167 | .022883  | .0055797 | .0036991 | .38372   | .023451  |
| %RSD   | 1.725257 | 1.467120 | .9342577 | 3.902808 | 2.490833 | .5450399 | .4820618 |
| #1     | .2062010 | .0955819 | 2.439630 | .1373071 | .1483574 | 69.96485 | 4.837640 |
| #2     | .2074483 | .0981898 | 2.432828 | .1431293 | .1448868 | 70.56541 | 4.876576 |
| #3     | .2129721 | .0959263 | 2.475423 | .1484630 | .1522803 | 70.67893 | 4.879753 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0933524 | .1022395 | 129.1797 | .4840034 | 1.116597 | .8841488 | 169.1462 |
| Stddev | .0009647 | .0007842 | .7380    | .0011454 | .011198  | .0066528 | 1.0804   |
| %RSD   | 1.033368 | .7670429 | .5713260 | .2366506 | 1.002849 | .7524565 | .6387241 |
| #1     | .0922398 | .1018224 | 128.4515 | .4852567 | 1.111209 | .8829309 | 167.9222 |
| #2     | .0939545 | .1017520 | 129.1603 | .4837426 | 1.109112 | .8781891 | 169.5490 |
| #3     | .0938630 | .1031442 | 129.9272 | .4830108 | 1.129471 | .8913265 | 169.9673 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 13.81748 | 37.36702 | 1.196208 | .0689656 | .6873765 | 1.031279 | 2.365487 |
| Stddev | .10443   | .11396   | .009255  | .0006211 | .4020434 | .002571  | .012002  |
| %RSD   | .7557667 | .3049776 | .7737255 | .9005418 | 58.48954 | .2492662 | .5073890 |
| #1     | 13.71746 | 37.27073 | 1.191008 | .0682589 | .2247923 | 1.029723 | 2.376904 |
| #2     | 13.80917 | 37.33750 | 1.190723 | .0692133 | .9525912 | 1.034246 | 2.352975 |
| #3     | 13.92582 | 37.49284 | 1.206894 | .0694245 | .8847461 | 1.029868 | 2.366582 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.966198 | 8.335409 | -.458427 | .0061559 | 2.653700 | 5.928839 | .3341879 |
| Stddev | .135207  | .070221  | .003204  | .0001773 | .029956  | .063632  | .0021489 |
| %RSD   | 1.507960 | .8424394 | .6989479 | 2.879740 | 1.128828 | 1.073259 | .6430261 |
| #1     | 8.845989 | 8.293933 | -.454753 | .0063462 | 2.639808 | 5.855824 | .3321357 |
| #2     | 8.940029 | 8.295808 | -.460641 | .0061258 | 2.633213 | 5.958238 | .3340060 |
| #3     | 9.112577 | 8.416486 | -.459887 | .0059955 | 2.688080 | 5.972456 | .3364220 |



Sample Name: P5042-03      Acquired: 12/10/2024 19:00:46      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKB0S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .6181173 | .9176298 | .0313650 |
| Stddev | .0032964 | .0077689 | .0015543 |
| %RSD   | .5332974 | .8466299 | 4.955488 |
| #1     | .6144889 | .9098644 | .0295721 |
| #2     | .6189353 | .9176226 | .0323334 |
| #3     | .6209277 | .9254023 | .0321893 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2970.309 | 32696.43 | 3281.037 | 2323.296 | 3746.581 |
| Stddev    | 14.640   | 31.43    | 33.976   | 2.406    | 24.874   |
| %RSD      | .4928839 | .0961322 | 1.035514 | .1035758 | .6639088 |
| #1        | 2980.398 | 32679.30 | 3320.197 | 2325.489 | 3757.446 |
| #2        | 2977.011 | 32732.70 | 3263.514 | 2323.679 | 3764.175 |
| #3        | 2953.517 | 32677.28 | 3259.401 | 2320.722 | 3718.123 |

Sample Name: P5043-01      Acquired: 12/10/2024 19:04:34      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0468702 | -.002836 | .2504523 | .0018773 | .0013268 | 70.07477 | .6247701 |
| Stddev | .0031431 | .002183  | .0007550 | .0042499 | .0003088 | .18127   | .0031678 |
| %RSD   | 6.705963 | 76.96988 | .3014393 | 226.3877 | 23.27412 | .2586819 | .5070369 |
| #1     | .0450814 | -.001039 | .2512597 | -.002785 | .0011059 | 70.25900 | .6278076 |
| #2     | .0504994 | -.005266 | .2503334 | .005535  | .0016796 | 69.89661 | .6214864 |
| #3     | .0450298 | -.002204 | .2497638 | .002881  | .0011948 | 70.06870 | .6250162 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060278 | .0023003 | 37.35375 | .0827810 | .0746474 | .1270341 | 150.5426 |
| Stddev | .0001490 | .0001089 | .16095   | .0012778 | .0004766 | .0033214 | .6672    |
| %RSD   | 2.472310 | 4.734375 | .4308888 | 1.543562 | .6384178 | 2.614562 | .4432188 |
| #1     | .0060283 | .0022122 | 37.49809 | .0825036 | .0744427 | .1248261 | 151.2654 |
| #2     | .0058785 | .0022667 | 37.18019 | .0841747 | .0743073 | .1308538 | 149.9502 |
| #3     | .0061766 | .0024221 | 37.38296 | .0816648 | .0751921 | .1254223 | 150.4122 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.297124 | 17.80525 | .1025876 | -.013897 | .7169306 | .1623280 | .3244434 |
| Stddev | .012362  | .02163   | .0005502 | .000313  | .4560405 | .0051725 | .0096491 |
| %RSD   | .3749233 | .1214818 | .5363207 | 2.254127 | 63.61013 | 3.186441 | 2.974061 |
| #1     | 3.310312 | 17.78029 | .1025591 | -.013990 | .7477897 | .1655011 | .3354787 |
| #2     | 3.285800 | 17.81854 | .1020521 | -.013547 | 1.156758 | .1563593 | .3175949 |
| #3     | 3.295260 | 17.81693 | .1031514 | -.014152 | .246244  | .1651236 | .3202565 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.466233 | 3.385891 | -.427399 | .0023911 | .8940549 | 6.137211 | .0125612 |
| Stddev | .084290  | .017726  | .007688  | .0001440 | .0094077 | .019433  | .0006883 |
| %RSD   | 3.417774 | .5235360 | 1.798725 | 6.023090 | 1.052250 | .3166503 | 5.479513 |
| #1     | 2.372343 | 3.376551 | -.424442 | .0024349 | .8890833 | 6.136175 | .0131544 |
| #2     | 2.490965 | 3.374788 | -.436127 | .0022303 | .8881761 | 6.157142 | .0127228 |
| #3     | 2.535390 | 3.406334 | -.421630 | .0025082 | .9049054 | 6.118316 | .0118065 |

Sample Name: P5043-01      Acquired: 12/10/2024 19:04:34      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7646850 | -.057937 | .0520618 |
| Stddev | .0074394 | .000524  | .0019422 |
| %RSD   | .9728670 | .9045836 | 3.730543 |

|    |          |          |          |
|----|----------|----------|----------|
| #1 | .7661187 | -.058388 | .0513013 |
| #2 | .7566331 | -.058060 | .0542691 |
| #3 | .7713031 | -.057362 | .0506149 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2861.773 | 31449.88 | 3057.875 | 2225.932 | 3868.589 |
| Stddev    | 12.132   | 126.04   | 12.109   | 3.874    | 19.559   |
| %RSD      | .4239495 | .4007617 | .3959782 | .1740310 | .5055768 |

|    |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|
| #1 | 2863.148 | 31407.27 | 3048.544 | 2221.770 | 3872.526 |
| #2 | 2873.159 | 31350.67 | 3053.523 | 2229.433 | 3885.880 |
| #3 | 2849.011 | 31591.70 | 3071.558 | 2226.594 | 3847.361 |

Sample Name: P5043-02      Acquired: 12/10/2024 19:08:25      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0467148 | -.001754 | .2496880 | -.002476 | .0021646 | 70.03459 | .6276288 |
| Stddev | .0024427 | .000491  | .0017528 | .003028  | .0007055 | .14002   | .0012399 |
| %RSD   | 5.229007 | 28.01092 | .7019970 | 122.3175 | 32.59332 | .1999231 | .1975479 |
| #1     | .0440390 | -.001196 | .2487697 | -.004970 | .0015148 | 69.87487 | .6262121 |
| #2     | .0472799 | -.002122 | .2485852 | .000894  | .0020640 | 70.13617 | .6281587 |
| #3     | .0488254 | -.001944 | .2517092 | -.003350 | .0029151 | 70.09273 | .6285157 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060370 | .0023366 | 37.23224 | .0837481 | .0747448 | .1305523 | 150.7711 |
| Stddev | .0001517 | .0001237 | .05859   | .0011437 | .0001461 | .0078955 | .3703    |
| %RSD   | 2.513177 | 5.294022 | .1573697 | 1.365679 | .1954835 | 6.047786 | .2456259 |
| #1     | .0059298 | .0023387 | 37.20082 | .0824374 | .0748839 | .1221445 | 150.3435 |
| #2     | .0059707 | .0022119 | 37.29984 | .0845440 | .0747578 | .1378092 | 150.9890 |
| #3     | .0062106 | .0024592 | 37.19606 | .0842627 | .0745926 | .1317031 | 150.9808 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.294371 | 17.71818 | .1032219 | -.013207 | 1.040113 | .1590573 | .3176123 |
| Stddev | .011895  | .02203   | .0002114 | .000567  | .112743  | .0104113 | .0051212 |
| %RSD   | .3610657 | .1243504 | .2047581 | 4.294430 | 10.83945 | 6.545624 | 1.612407 |
| #1     | 3.290918 | 17.70877 | .1030610 | -.013541 | 1.169273 | .1470799 | .3163768 |
| #2     | 3.307611 | 17.74336 | .1031433 | -.012552 | .989648  | .1641506 | .3232382 |
| #3     | 3.284585 | 17.70242 | .1034612 | -.013527 | .961418  | .1659415 | .3132218 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.467511 | 3.412450 | -.424268 | .0021655 | .8982200 | 6.118127 | .0141735 |
| Stddev | .103507  | .022934  | .002709  | .0001713 | .0043514 | .023889  | .0001916 |
| %RSD   | 4.194793 | .6720706 | .6384593 | 7.910969 | .4844435 | .3904621 | 1.351606 |
| #1     | 2.568630 | 3.401798 | -.421864 | .0020743 | .9008790 | 6.120779 | .0142926 |
| #2     | 2.361771 | 3.396778 | -.423738 | .0020590 | .8931984 | 6.093023 | .0142754 |
| #3     | 2.472131 | 3.438773 | -.427203 | .0023631 | .9005827 | 6.140580 | .0139525 |

Sample Name: P5043-02      Acquired: 12/10/2024 19:08:25      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7591919 | -.057967 | .0494344 |
| Stddev | .0074457 | .000426  | .0036033 |
| %RSD   | .9807377 | .7348833 | 7.289032 |
| #1     | .7560149 | -.057503 | .0535875 |
| #2     | .7676991 | -.058059 | .0475758 |
| #3     | .7538617 | -.058340 | .0471399 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2875.936 | 31717.68 | 3088.501 | 2245.841 | 3873.752 |
| Stddev    | 7.600    | 284.46   | 6.310    | 14.547   | 12.244   |
| %RSD      | .2642514 | .8968561 | .2043155 | .6477428 | .3160733 |
| #1        | 2877.114 | 31959.94 | 3088.752 | 2254.992 | 3874.715 |
| #2        | 2882.878 | 31404.45 | 3082.069 | 2229.067 | 3885.487 |
| #3        | 2867.816 | 31788.64 | 3094.682 | 2253.465 | 3861.056 |

Sample Name: P5043-01LX5      Acquired: 12/10/2024 19:12:17      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0108586 | -.001458 | .0507955 | .0022038 | .0005621 | 15.62458 | .1400574 |
| Stddev | .0046896 | .001805  | .0018775 | .0010499 | .0018358 | .05686   | .0020346 |
| %RSD   | 43.18763 | 123.7882 | 3.696210 | 47.64220 | 326.6292 | .3639123 | 1.452672 |
| #1     | .0076725 | -.001785 | .0495517 | .0020094 | -.000176 | 15.58372 | .1390412 |
| #2     | .0162436 | .000488  | .0498796 | .0033374 | -.000790 | 15.68951 | .1423999 |
| #3     | .0086597 | -.003077 | .0529551 | .0012646 | .002652  | 15.60050 | .1387312 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0013235 | .0005125 | 8.392441 | .0180676 | .0170827 | .0275839 | 33.71058 |
| Stddev | .0000310 | .0000192 | .037117  | .0011014 | .0001237 | .0022234 | .08290   |
| %RSD   | 2.340339 | 3.743545 | .4422621 | 6.096129 | .7240222 | 8.060497 | .2459106 |
| #1     | .0013033 | .0005337 | 8.435284 | .0180973 | .0171528 | .0300077 | 33.69930 |
| #2     | .0013592 | .0005075 | 8.370034 | .0169516 | .0171554 | .0271051 | 33.79854 |
| #3     | .0013081 | .0004963 | 8.372004 | .0191538 | .0169399 | .0256389 | 33.63390 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7469713 | 3.958011 | .0203066 | -.003619 | .2161651 | .0386551 | .0698225 |
| Stddev | .0036190 | .086919  | .0001180 | .000167  | .2866416 | .0030342 | .0048767 |
| %RSD   | .4844929 | 2.196017 | .5811117 | 4.621929 | 132.6031 | 7.849360 | 6.984379 |
| #1     | .7494726 | 4.057779 | .0202189 | -.003557 | -.062271 | .0352381 | .0733776 |
| #2     | .7428215 | 3.917593 | .0202601 | -.003491 | .510362  | .0396931 | .0718269 |
| #3     | .7486197 | 3.898661 | .0204408 | -.003808 | .200404  | .0410340 | .0642630 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1065655 | .6975489 | -.101973 | -.000233 | .1818661 | 1.423573 | -.005961 |
| Stddev | .1574021 | .0020302 | .001603  | .000293  | .0034128 | .013114  | .000820  |
| %RSD   | 147.7046 | .2910548 | 1.572324 | 125.6204 | 1.876561 | .9211734 | 13.75752 |
| #1     | .0061630 | .6978177 | -.103631 | -.000471 | .1794361 | 1.429265 | -.005056 |
| #2     | .2879724 | .6953976 | -.101858 | -.000323 | .1857679 | 1.432880 | -.006172 |
| #3     | .0255610 | .6994314 | -.100430 | .000094  | .1803944 | 1.408576 | -.006654 |

Sample Name: P5043-01LX5      Acquired: 12/10/2024 19:12:17      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1729576 | -.012775 | -.020273 |
| Stddev | .0032859 | .000202  | .002436  |
| %RSD   | 1.899812 | 1.584319 | 12.01670 |
| #1     | .1695033 | -.012764 | -.022890 |
| #2     | .1733255 | -.012579 | -.019858 |
| #3     | .1760441 | -.012983 | -.018071 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2613.850 | 28979.69 | 2799.739 | 2052.676 | 3930.678 |
| Stddev    | 7.963    | 291.59   | 20.765   | 24.980   | 10.851   |
| %RSD      | .3046618 | 1.006177 | .7416635 | 1.216966 | .2760592 |
| #1        | 2606.331 | 28876.55 | 2793.180 | 2049.850 | 3921.785 |
| #2        | 2622.194 | 29308.83 | 2783.047 | 2078.949 | 3942.769 |
| #3        | 2613.025 | 28753.69 | 2822.992 | 2029.228 | 3927.481 |

Sample Name: P5043-03      Acquired: 12/10/2024 19:16:14      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1312930 | .0891965 | .2894326 | .1529458 | .1608943 | 72.97117 | 4.315334 |
| Stddev | .0010919 | .0018836 | .0015882 | .0020275 | .0023773 | .24265   | .014711  |
| %RSD   | .8316584 | 2.111769 | .5487259 | 1.325614 | 1.477543 | .3325253 | .3409120 |
| #1     | .1324403 | .0901015 | .2908303 | .1532199 | .1595382 | 72.76570 | 4.303869 |
| #2     | .1311721 | .0870312 | .2897620 | .1507951 | .1636393 | 73.23887 | 4.331922 |
| #3     | .1302666 | .0904568 | .2877055 | .1548222 | .1595055 | 72.90895 | 4.310213 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0977499 | .0968166 | 37.38537 | .4753820 | 1.073400 | .5666482 | 151.9548 |
| Stddev | .0008757 | .0006294 | .15908   | .0016524 | .004504  | .0050811 | .5119    |
| %RSD   | .8958856 | .6500565 | .4255200 | .3475920 | .4195606 | .8966975 | .3368732 |
| #1     | .0973748 | .0974850 | 37.24617 | .4766572 | 1.078005 | .5719976 | 151.6345 |
| #2     | .0971242 | .0967296 | 37.55877 | .4735153 | 1.073188 | .5660606 | 152.5451 |
| #3     | .0987507 | .0962353 | 37.35117 | .4759736 | 1.069006 | .5618865 | 151.6847 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.249494 | 17.67094 | 1.122833 | .0703476 | .5334384 | 1.087667 | 1.102634 |
| Stddev | .023977  | .07158   | .005945  | .0002216 | .2096579 | .009853  | .011752  |
| %RSD   | .5642391 | .4050573 | .5294875 | .3150233 | 39.30311 | .9058827 | 1.065800 |
| #1     | 4.241762 | 17.60674 | 1.128538 | .0704358 | .3912619 | 1.086755 | 1.105867 |
| #2     | 4.276383 | 17.74812 | 1.123287 | .0705115 | .7742199 | 1.097945 | 1.112432 |
| #3     | 4.230336 | 17.65796 | 1.116673 | .0700954 | .4348334 | 1.078302 | 1.089605 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 2.397137 | 3.433001 | -.442048 | .0019320 | .9269723 | 6.161765 | .0134899 |
| Stddev | .170859  | .019624  | .003149  | .0000741 | .0027161 | .029936  | .0016774 |
| %RSD   | 7.127610 | .5716269 | .7124052 | 3.837365 | .2930087 | .4858306 | 12.43437 |
| #1     | 2.218380 | 3.452292 | -.445244 | .0019764 | .9298730 | 6.159772 | .0140624 |
| #2     | 2.558814 | 3.433653 | -.441952 | .0019732 | .9265548 | 6.132875 | .0148061 |
| #3     | 2.414217 | 3.413060 | -.438948 | .0018464 | .9244892 | 6.192647 | .0116013 |



Sample Name: P5043-03      Acquired: 12/10/2024 19:16:14      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKM2S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .7636629 | -.058845 | .0485860 |
| Stddev | .0087466 | .000444  | .0019226 |
| %RSD   | 1.145345 | .7541782 | 3.957171 |
| #1     | .7584118 | -.058439 | .0484767 |
| #2     | .7737598 | -.058778 | .0467203 |
| #3     | .7588169 | -.059319 | .0505609 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2890.268 | 31948.82 | 3114.283 | 2278.155 | 3889.673 |
| Stddev    | 10.977   | 91.89    | 10.120   | 10.370   | 16.298   |
| %RSD      | .3797932 | .2876019 | .3249635 | .4551965 | .4190008 |
| #1        | 2879.755 | 31842.83 | 3110.625 | 2268.385 | 3871.368 |
| #2        | 2901.656 | 32005.97 | 3125.724 | 2289.036 | 3902.610 |
| #3        | 2889.392 | 31997.66 | 3106.500 | 2277.044 | 3895.040 |

Sample Name: P4977-03      Acquired: 12/10/2024 19:20:03      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0138540 | .0122074 | .0328907 | -.037477 | -.017691 | 14.20222 |
| Stddev | .0017275 | .0016874 | .0013319 | .003650  | .000201  | .17264   |
| %RSD   | 12.46944 | 13.82258 | 4.049467 | 9.738504 | 1.135882 | 1.215574 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0118888 | .0116933 | .0343988 | -.038793 | -.017706 | 14.30954 |
| #2 | .0151331 | .0140921 | .0323982 | -.033352 | -.017483 | 14.29405 |
| #3 | .0145400 | .0108369 | .0318753 | -.040286 | -.017884 | 14.00307 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0649781 | .0013763 | .0009147 | F 1296.241 | .0393410 | .0659914 |
| Stddev | .0017659 | .0001342 | .0000303 | 18.561     | .0005649 | .0006834 |
| %RSD   | 2.717656 | 9.750539 | 3.316009 | 1.431913   | 1.435892 | 1.035576 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0666441 | .0013887 | .0009408 | 1308.604 | .0388784 | .0666070 |
| #2 | .0651632 | .0015039 | .0008814 | 1305.223 | .0399706 | .0652560 |
| #3 | .0631269 | .0012363 | .0009221 | 1274.898 | .0391740 | .0661113 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0486635 | 41.86525 | 2.387758 | 191.1119 | .0730500 | -.003593 |
| Stddev | .0094139 | .52253   | .031352  | 2.4529   | .0004896 | .001951  |
| %RSD   | 19.34488 | 1.248125 | 1.313030 | 1.283503 | .6702653 | 54.29680 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0462483 | 42.25641 | 2.404106 | 191.8862 | .0728470 | -.005803 |
| #2 | .0406925 | 42.06752 | 2.407556 | 193.0842 | .0726945 | -.002867 |
| #3 | .0590497 | 41.27182 | 2.351610 | 188.3652 | .0736085 | -.002109 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6119801 | .0621205 | .1395470 | .7332986 | 2.028418 | -.092208 |
| Stddev | .2534865 | .0044583 | .0024535 | .0433736 | .007547  | .003566  |
| %RSD   | 41.42072 | 7.176814 | 1.758212 | 5.914862 | .3720479 | 3.867078 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .3575348 | .0655817 | .1423801 | .7808112 | 2.032569 | -.093156 |
| #2 | .6139088 | .0570897 | .1381233 | .7232604 | 2.032979 | -.088264 |
| #3 | .8644968 | .0636902 | .1381375 | .6958243 | 2.019707 | -.095204 |

Sample Name: P4977-03      Acquired: 12/10/2024 19:20:03      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045780 | 2.819679 | 1.859659 | .0357120 | .4522572 | 1.042790 |
| Stddev | .0008396 | .011336  | .015799  | .0028119 | .0075886 | .015057  |
| %RSD   | 18.33906 | .4020144 | .8495628 | 7.873895 | 1.677929 | 1.443910 |
| #1     | .0039565 | 2.828230 | 1.853576 | .0387079 | .4569943 | 1.051380 |
| #2     | .0042444 | 2.823987 | 1.877596 | .0331299 | .4562727 | 1.051587 |
| #3     | .0055330 | 2.806821 | 1.847807 | .0352983 | .4435046 | 1.025405 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.026160 |
| Stddev | .002283  |
| %RSD   | 8.726485 |
| #1     | -.023538 |
| #2     | -.027705 |
| #3     | -.027237 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2419.958 | 26351.86 | 2786.971 | 1876.958 | 3232.122 |
| Stddev    | 5.697    | 192.62   | 19.547   | 12.617   | 13.396   |
| %RSD      | .2354350 | .7309570 | .7013658 | .6722123 | .4144497 |
| #1        | 2414.512 | 26138.86 | 2777.601 | 1865.653 | 3217.682 |
| #2        | 2419.485 | 26513.83 | 2773.874 | 1890.569 | 3234.541 |
| #3        | 2425.877 | 26402.88 | 2809.439 | 1874.651 | 3244.144 |

Sample Name: P4977-04      Acquired: 12/10/2024 19:23:55      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0086500 | .0120320 | .0320997 | -.033496 | -.018392 | 14.29031 |
| Stddev | .0031408 | .0011305 | .0004921 | .003073  | .001437  | .07181   |
| %RSD   | 36.30982 | 9.395885 | 1.532908 | 9.172698 | 7.812466 | .5024993 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0116589 | .0113645 | .0320521 | -.030104 | -.017606 | 14.35284 |
| #2 | .0053921 | .0133373 | .0316332 | -.036091 | -.017520 | 14.30622 |
| #3 | .0088991 | .0113943 | .0326139 | -.034294 | -.020050 | 14.21189 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0646136 | .0014580 | .0008677 | F 1298.225 | .0391374 | .0664910 |
| Stddev | .0005551 | .0000415 | .0000575 | 5.076      | .0007132 | .0006278 |
| %RSD   | .8591475 | 2.843831 | 6.625906 | .3910134   | 1.822384 | .9441153 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0639727 | .0015038 | .0009173 | 1300.324 | .0399561 | .0658664 |
| #2 | .0649209 | .0014230 | .0008047 | 1301.915 | .0386507 | .0664848 |
| #3 | .0649471 | .0014472 | .0008812 | 1292.436 | .0388054 | .0671219 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0529879 | 41.96544 | 2.401117 | 193.4014 | .0716415 | -.004520 |
| Stddev | .0021220 | .05856   | .010759  | .6977    | .0006375 | .000395  |
| %RSD   | 4.004755 | .1395316 | .4480771 | .3607302 | .8898026 | 8.742314 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0536149 | 42.00922 | 2.406999 | 193.9314 | .0716441 | -.004225 |
| #2 | .0547258 | 41.98818 | 2.407653 | 193.6617 | .0710028 | -.004368 |
| #3 | .0506230 | 41.89893 | 2.388700 | 192.6110 | .0722777 | -.004969 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7702172 | .0563929 | .1310328 | .9476001 | 2.002600 | -.086222 |
| Stddev | .2680462 | .0078771 | .0041262 | .1651489 | .008275  | .000614  |
| %RSD   | 34.80138 | 13.96819 | 3.148965 | 17.42812 | .4132027 | .7124039 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .4616336 | .0474716 | .1352814 | 1.052446 | 1.994018 | -.085767 |
| #2 | .9037511 | .0593182 | .1307759 | 1.033125 | 2.003252 | -.086921 |
| #3 | .9452669 | .0623887 | .1270410 | .757229  | 2.010529 | -.085979 |

Sample Name: P4977-04      Acquired: 12/10/2024 19:23:55      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0044236 | 2.785631 | 1.870576 | .0353324 | .4587017 | 1.048950 |
| Stddev | .0000991 | .017467  | .009321  | .0003133 | .0069787 | .002904  |
| %RSD   | 2.240649 | .6270536 | .4982806 | .8867385 | 1.521409 | .2768760 |
| #1     | .0044731 | 2.765587 | 1.875380 | .0353728 | .4598597 | 1.050252 |
| #2     | .0043095 | 2.797603 | 1.876514 | .0350009 | .4650289 | 1.050975 |
| #3     | .0044883 | 2.793702 | 1.859833 | .0356236 | .4512163 | 1.045622 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.025368 |
| Stddev | .001537  |
| %RSD   | 6.060621 |
| #1     | -.026546 |
| #2     | -.025928 |
| #3     | -.023629 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2405.551 | 26166.17 | 2729.981 | 1859.511 | 3224.383 |
| Stddev    | 3.019    | 106.51   | 23.387   | 8.760    | 9.264    |
| %RSD      | .1254861 | .4070653 | .8566729 | .4710664 | .2873020 |
| #1        | 2404.301 | 26086.46 | 2710.170 | 1849.426 | 3231.944 |
| #2        | 2408.994 | 26124.90 | 2723.995 | 1865.216 | 3227.155 |
| #3        | 2403.358 | 26287.14 | 2755.780 | 1863.893 | 3214.050 |

Sample Name: P4977-03LX5      Acquired: 12/10/2024 19:27:47      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0028671 | .0079843 | .0037898 | -.020107 | -.012362 | 2.899261 | .0130660 |
| Stddev | .0016478 | .0011916 | .0010555 | .001722  | .004092  | .027042  | .0017794 |
| %RSD   | 57.47361 | 14.92396 | 27.85155 | 8.566080 | 33.10395 | .9327233 | 13.61884 |
| #1     | .0045171 | .0081962 | .0033278 | -.021139 | -.012146 | 2.909738 | .0113450 |
| #2     | .0028627 | .0067010 | .0030440 | -.018118 | -.008382 | 2.919497 | .0148986 |
| #3     | .0012215 | .0090557 | .0049975 | -.021063 | -.016558 | 2.868548 | .0129544 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0002742 | .0002201 | 272.0228 | .0078855 | .0349498 | .0313635 | 8.947834 |
| Stddev | .0000930 | .0000287 | 1.7995   | .0011278 | .0006425 | .0012593 | .111933  |
| %RSD   | 33.92048 | 13.04228 | .6615197 | 14.30203 | 1.838224 | 4.015119 | 1.250955 |
| #1     | .0001775 | .0002274 | 273.5614 | .0091372 | .0350273 | .0301414 | 9.049587 |
| #2     | .0002822 | .0002445 | 272.4630 | .0075711 | .0355501 | .0326570 | 8.965979 |
| #3     | .0003630 | .0001885 | 270.0441 | .0069483 | .0342722 | .0312921 | 8.827937 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5065541 | 40.56664 | .0141856 | -.000795 | .1634799 | .0093692 | .0361974 |
| Stddev | .0040413 | .28545   | .0003321 | .000611  | .3709517 | .0012023 | .0036632 |
| %RSD   | .7978040 | .7036519 | 2.340924 | 76.80176 | 226.9097 | 12.83224 | 10.11994 |
| #1     | .5099851 | 40.85340 | .0145071 | -.001250 | .5827314 | .0105520 | .0394450 |
| #2     | .5075778 | 40.56401 | .0142058 | -.000101 | -.122148 | .0081483 | .0322266 |
| #3     | .5020994 | 40.28252 | .0138438 | -.001034 | .029856  | .0094074 | .0369205 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.139623 | .3792637 | -.019776 | -.000781 | .5189821 | .3914192 | -.002669 |
| Stddev | .086421  | .0007413 | .000847  | .000396  | .0041879 | .0005903 | .000405  |
| %RSD   | 61.89600 | .1954568 | 4.280677 | 50.70920 | .8069485 | .1508091 | 15.18862 |
| #1     | -.136649 | .3800710 | -.018802 | -.000324 | .5144996 | .3911482 | -.002939 |
| #2     | -.227493 | .3786136 | -.020196 | -.001031 | .5196519 | .3920963 | -.002203 |
| #3     | -.054727 | .3791064 | -.020332 | -.000988 | .5227947 | .3910130 | -.002866 |

Sample Name: P4977-03LX5      Acquired: 12/10/2024 19:27:47      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .0945555 | .2148845 | -.037308 |
| Stddev | .0024405 | .0016491 | .003828  |
| %RSD   | 2.581063 | .7674359 | 10.26010 |
| #1     | .0973698 | .2156094 | -.035677 |
| #2     | .0932761 | .2160470 | -.034566 |
| #3     | .0930208 | .2129972 | -.041681 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2456.756 | 26879.14 | 2688.953 | 1908.141 | 3610.063 |
| Stddev    | 5.999    | 131.89   | 7.888    | 12.474   | 12.082   |
| %RSD      | .2441969 | .4906729 | .2933602 | .6537072 | .3346783 |
| #1        | 2449.830 | 26809.48 | 2684.490 | 1906.937 | 3596.433 |
| #2        | 2460.099 | 27031.26 | 2684.308 | 1921.172 | 3619.456 |
| #3        | 2460.339 | 26796.70 | 2698.061 | 1896.312 | 3614.300 |

Sample Name: P4977-05      Acquired: 12/10/2024 19:31:47      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0953931 | .1048117 | .0717050 | .1346839 | .1643813 | 18.09933 |
| Stddev | .0015185 | .0029982 | .0036049 | .0080156 | .0059456 | .07626   |
| %RSD   | 1.591873 | 2.860559 | 5.027374 | 5.951391 | 3.616982 | .4213142 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0945407 | .1051849 | .0697461 | .1341974 | .1638043 | 18.07030 |
| #2 | .0944922 | .1076059 | .0758652 | .1429316 | .1705944 | 18.04184 |
| #3 | .0971463 | .1016444 | .0695038 | .1269227 | .1587452 | 18.18583 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 4.003864 | .1010746 | .0992275 | F 1285.531 | .4451658 | 1.090208 |
| Stddev | .007830  | .0004166 | .0062730 | 1.640      | .0031568 | .069191  |
| %RSD   | .1955726 | .4122085 | 6.321872 | .1275982   | .7091230 | 6.346604 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 4.000335 | .1013605 | .0977139 | 1284.796 | .4475955 | 1.077211 |
| #2 | 3.998420 | .1012667 | .1061189 | 1284.386 | .4463042 | 1.164976 |
| #3 | 4.012838 | .1005966 | .0938498 | 1287.410 | .4415977 | 1.028437 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5192062 | 43.68773 | 3.317240 | 189.0780 | 1.101692 | .0901801 |
| Stddev | .0057488 | .14154   | .013728  | .0810    | .072001  | .0010649 |
| %RSD   | 1.107236 | .3239830 | .4138242 | .0428313 | 6.535483 | 1.180894 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .5205707 | 43.54443 | 3.303924 | 189.1479 | 1.085614 | .0889505 |
| #2 | .5128979 | 43.69132 | 3.331345 | 189.0969 | 1.180373 | .0908012 |
| #3 | .5241501 | 43.82744 | 3.316450 | 188.9893 | 1.039090 | .0907887 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3904774 | 1.062655 | .9957305 | .9366562 | 2.036975 | -.089005 |
| Stddev | .6174638 | .001744  | .0111885 | .3665443 | .133602  | .001235  |
| %RSD   | 158.1305 | .1641127 | 1.123649 | 39.13328 | 6.558823 | 1.387783 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.303687 | 1.063222 | 1.002478 | .7601443 | 2.012950 | -.087978 |
| #2 | .878497  | 1.064044 | 1.001898 | 1.358060 | 2.180959 | -.090375 |
| #3 | .596622  | 1.060698 | .982815  | .691765  | 1.917016 | -.088662 |



Sample Name: P4977-05      Acquired: 12/10/2024 19:31:47      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F8S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0045718 | 2.867857 | 1.969741 | .0385081 | .4577228 | 1.027613 |
| Stddev | .0002357 | .180153  | .012974  | .0022260 | .0017377 | .001163  |
| %RSD   | 5.155181 | 6.281802 | .6586439 | 5.780521 | .3796328 | .1132121 |
| #1     | .0043474 | 2.822129 | 1.973506 | .0392401 | .4594505 | 1.026451 |
| #2     | .0045507 | 3.066468 | 1.980415 | .0402760 | .4577426 | 1.028778 |
| #3     | .0048173 | 2.714975 | 1.955301 | .0360084 | .4559753 | 1.027611 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.029137 |
| Stddev | .001706  |
| %RSD   | 5.854324 |
| #1     | -.027625 |
| #2     | -.030986 |
| #3     | -.028800 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2400.234 | 26561.20 | 2761.474 | 1883.737 | 3208.356 |
| Stddev    | 121.652  | 58.96    | 4.779    | 16.718   | 181.039  |
| %RSD      | 5.068320 | .2219837 | .1730702 | .8874659 | 5.642728 |
| #1        | 2422.296 | 26519.03 | 2756.235 | 1871.379 | 3237.647 |
| #2        | 2269.061 | 26535.99 | 2762.593 | 1877.073 | 3014.458 |
| #3        | 2509.344 | 26628.57 | 2765.595 | 1902.758 | 3372.963 |

Sample Name: P4976-09      Acquired: 12/10/2024 19:35:35      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1392199 | .0093157 | .0373771 | -.037828 | -.015700 | 19.00518 |
| Stddev | .0022868 | .0017875 | .0018947 | .004583  | .001838  | .20222   |
| %RSD   | 1.642603 | 19.18824 | 5.069050 | 12.11588 | 11.70924 | 1.064024 |
| #1     | .1385691 | .0072539 | .0357747 | -.039965 | -.017404 | 19.08505 |
| #2     | .1373290 | .0102627 | .0394683 | -.032566 | -.013751 | 18.77523 |
| #3     | .1417615 | .0104304 | .0368883 | -.040952 | -.015944 | 19.15528 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0893084 | .0017511 | .0010623 | F 1212.068 | .0504120 | .0791808 |
| Stddev | .0013535 | .0001137 | .0000423 | 14.348     | .0006177 | .0001254 |
| %RSD   | 1.515542 | 6.491889 | 3.977931 | 1.183801   | 1.225363 | .1583639 |
| #1     | .0896525 | .0018730 | .0011101 | 1217.172   | .0500151 | .0791108 |
| #2     | .0878160 | .0016480 | .0010300 | 1195.865   | .0511237 | .0791060 |
| #3     | .0904566 | .0017322 | .0010468 | 1223.166   | .0500971 | .0793255 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0710250 | 61.89210 | 2.599354 | 183.0021 | .0920637 | -.006246 |
| Stddev | .0034643 | .68861   | .036410  | 2.4549   | .0003150 | .000912  |
| %RSD   | 4.877598 | 1.112591 | 1.400724 | 1.341458 | .3421622 | 14.60814 |
| #1     | .0723682 | 62.08657 | 2.614571 | 184.3675 | .0917227 | -.007296 |
| #2     | .0736167 | 61.12718 | 2.557804 | 180.1680 | .0923437 | -.005650 |
| #3     | .0670903 | 62.46256 | 2.625687 | 184.4707 | .0921249 | -.005792 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5537688 | .0635562 | .1803677 | .9710127 | 1.857735 | -.149678 |
| Stddev | .5633796 | .0084901 | .0031118 | .0751315 | .003959  | .001071  |
| %RSD   | 101.7355 | 13.35832 | 1.725256 | 7.737438 | .2131044 | .7155910 |
| #1     | .0944023 | .0612909 | .1771772 | 1.057401 | 1.862223 | -.150581 |
| #2     | 1.182367 | .0564286 | .1805316 | .934717  | 1.856244 | -.149958 |
| #3     | .384537  | .0729492 | .1833943 | .920921  | 1.854738 | -.148495 |

Sample Name: P4976-09      Acquired: 12/10/2024 19:35:35      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4D      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0131714 | 14.60892 | 2.227650 | .0041016 | .7002656 | 1.068431 |
| Stddev | .0003380 | .06204   | .027326  | .0002746 | .0088778 | .015922  |
| %RSD   | 2.566233 | .4246618 | 1.226672 | 6.694788 | 1.267779 | 1.490259 |
| #1     | .0134173 | 14.67051 | 2.251919 | .0042931 | .7074711 | 1.073323 |
| #2     | .0127860 | 14.54644 | 2.198052 | .0042247 | .6903481 | 1.050637 |
| #3     | .0133108 | 14.60982 | 2.232979 | .0037870 | .7029777 | 1.081333 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.022022 |
| Stddev | .004115  |
| %RSD   | 18.68359 |
| #1     | -.018938 |
| #2     | -.020435 |
| #3     | -.026694 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2435.940 | 26559.29 | 2793.445 | 1895.680 | 3248.364 |
| Stddev    | 15.333   | 37.93    | 30.440   | 5.034    | 19.996   |
| %RSD      | .6294577 | .1428265 | 1.089689 | .2655492 | .6155668 |
| #1        | 2418.625 | 26590.80 | 2775.047 | 1893.345 | 3225.622 |
| #2        | 2441.397 | 26569.89 | 2828.581 | 1901.458 | 3256.283 |
| #3        | 2447.799 | 26517.19 | 2776.707 | 1892.238 | 3263.188 |

Sample Name: P4976-08L      Acquired: 12/10/2024 19:39:26      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0271997 | .0095381 | .0054718 | -.021720 | -.014047 | 3.930555 | .0177175 |
| Stddev | .0004531 | .0020508 | .0008835 | .002614  | .001223  | .044991  | .0016462 |
| %RSD   | 1.666018 | 21.50131 | 16.14712 | 12.03461 | 8.706200 | 1.144636 | 9.291431 |
| #1     | .0274666 | .0087407 | .0054730 | -.023049 | -.012990 | 3.958310 | .0161447 |
| #2     | .0266765 | .0118679 | .0063548 | -.023403 | -.015387 | 3.878646 | .0175794 |
| #3     | .0274560 | .0080058 | .0045877 | -.018709 | -.013766 | 3.954709 | .0194284 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004014 | .0002545 | 255.2171 | .0108906 | .0365831 | .0156652 | 13.22677 |
| Stddev | .0000180 | .0000363 | 2.4736   | .0004460 | .0003948 | .0050020 | .14107   |
| %RSD   | 4.475709 | 14.25539 | .9692157 | 4.095489 | 1.079224 | 31.93090 | 1.066581 |
| #1     | .0004196 | .0002871 | 256.4484 | .0106440 | .0361583 | .0163141 | 13.28814 |
| #2     | .0003837 | .0002610 | 252.3695 | .0114055 | .0366523 | .0103704 | 13.06540 |
| #3     | .0004007 | .0002154 | 256.8335 | .0106223 | .0369387 | .0203111 | 13.32676 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5539006 | 38.72186 | .0177013 | -.001231 | -.299703 | .0141863 | .0396995 |
| Stddev | .0058126 | .44593   | .0004787 | .001067  | .578087  | .0084096 | .0016995 |
| %RSD   | 1.049392 | 1.151619 | 2.704468 | 86.73947 | 192.8867 | 59.28020 | 4.280911 |
| #1     | .5582569 | 38.98114 | .0171501 | -.002380 | .312051  | .0238386 | .0395366 |
| #2     | .5473005 | 38.20695 | .0179406 | -.000271 | -.374275 | .0084403 | .0414745 |
| #3     | .5561443 | 38.97748 | .0180132 | -.001040 | -.836885 | .0102799 | .0380872 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.187912 | .3468666 | -.035053 | .0005316 | 2.702554 | .5547748 | -.008374 |
| Stddev | .138274  | .0020003 | .001232  | .0001848 | .010360  | .0013667 | .000592  |
| %RSD   | 73.58461 | .5766760 | 3.514015 | 34.75415 | .3833260 | .2463610 | 7.073884 |
| #1     | -.267659 | .3449184 | -.035035 | .0007032 | 2.690616 | .5551051 | -.008927 |
| #2     | -.267831 | .3489152 | -.036294 | .0005556 | 2.707864 | .5559460 | -.008445 |
| #3     | -.028247 | .3467660 | -.033831 | .0003360 | 2.709182 | .5532731 | -.007749 |

Sample Name: P4976-08L      Acquired: 12/10/2024 19:39:26      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .1502225 | .2213202 | -.044604 |
| Stddev | .0032046 | .0018057 | .003432  |
| %RSD   | 2.133260 | .8158564 | 7.693187 |
| #1     | .1521457 | .2220801 | -.043004 |
| #2     | .1465231 | .2192587 | -.048544 |
| #3     | .1519987 | .2226216 | -.042265 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2486.079 | 27252.27 | 2742.320 | 1935.509 | 3643.266 |
| Stddev    | 16.682   | 228.28   | 15.613   | 13.279   | 25.791   |
| %RSD      | .6710306 | .8376548 | .5693428 | .6860491 | .7079123 |
| #1        | 2502.359 | 27291.48 | 2739.508 | 1936.825 | 3669.275 |
| #2        | 2486.857 | 27458.40 | 2759.148 | 1948.081 | 3642.824 |
| #3        | 2469.021 | 27006.92 | 2728.304 | 1921.622 | 3617.699 |

Sample Name: P4976-10      Acquired: 12/10/2024 19:43:23      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2156361 | .1021860 | .0795526 | .1308681 | .1600943 | 22.90204 |
| Stddev | .0023484 | .0014030 | .0024362 | .0042514 | .0030968 | .19884   |
| %RSD   | 1.089041 | 1.373011 | 3.062347 | 3.248611 | 1.934364 | .8682239 |
| #1     | .2172839 | .1033811 | .0779464 | .1309319 | .1568841 | 23.12685 |
| #2     | .2129472 | .1025357 | .0823557 | .1265852 | .1630637 | 22.83006 |
| #3     | .2166773 | .1006412 | .0783557 | .1350873 | .1603352 | 22.74921 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | 4.032282 | .1019428 | .0967985 | F 1203.479 | .4680124 | 1.075608 |
| Stddev | .022877  | .0004756 | .0006863 | 7.537      | .0101362 | .008014  |
| %RSD   | .5673390 | .4665630 | .7089716 | .6262759   | 2.165791 | .7450647 |
| #1     | 4.057363 | .1024415 | .0961497 | 1211.545   | .4624293 | 1.069836 |
| #2     | 4.026922 | .1014942 | .0967289 | 1202.275   | .4618952 | 1.072230 |
| #3     | 4.012561 | .1018925 | .0975169 | 1196.616   | .4797125 | 1.084758 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5286961 | 63.32057 | 3.572638 | 183.0764 | 1.095572 | .0890700 |
| Stddev | .0017038 | .42166   | .026222  | 1.2507   | .008367  | .0012199 |
| %RSD   | .3222706 | .6659110 | .7339669 | .6831316 | .7636861 | 1.369553 |
| #1     | .5271331 | 63.79466 | 3.592209 | 184.4235 | 1.087838 | .0881404 |
| #2     | .5284429 | 63.17954 | 3.582861 | 182.8535 | 1.094424 | .0886183 |
| #3     | .5305124 | 62.98750 | 3.542845 | 181.9522 | 1.104453 | .0904513 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.249673 | 1.075830 | 1.059341 | .9759569 | 1.811119 | -.155561 |
| Stddev | .283825  | .009638  | .022004  | .0154624 | .020969  | .001551  |
| %RSD   | 22.71197 | .8958450 | 2.077100 | 1.584329 | 1.157792 | .9970905 |
| #1     | 1.576232 | 1.081466 | 1.050170 | .9586422 | 1.800136 | -.157340 |
| #2     | 1.062392 | 1.081322 | 1.043406 | .9808410 | 1.797922 | -.154852 |
| #3     | 1.110394 | 1.064701 | 1.084446 | .9883874 | 1.835298 | -.154491 |

Sample Name: P4976-10      Acquired: 12/10/2024 19:43:23      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0129732 | 14.11294 | 2.469358 | .0052995 | .7083326 | 1.062306 |
| Stddev | .0002777 | .07169   | .002592  | .0004695 | .0058738 | .006861  |
| %RSD   | 2.140636 | .5079843 | .1049708 | 8.859124 | .8292483 | .6458462 |
| #1     | .0132594 | 14.05673 | 2.467802 | .0051969 | .7148946 | 1.068191 |
| #2     | .0129553 | 14.08842 | 2.472351 | .0048898 | .7065375 | 1.063957 |
| #3     | .0127048 | 14.19368 | 2.467922 | .0058118 | .7035659 | 1.054770 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.022993 |
| Stddev | .003628  |
| %RSD   | 15.77903 |
| #1     | -.023867 |
| #2     | -.019007 |
| #3     | -.026104 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2442.782 | 26035.18 | 2745.866 | 1852.264 | 3267.087 |
| Stddev    | 16.424   | 457.07   | 12.635   | 34.517   | 20.720   |
| %RSD      | .6723371 | 1.755600 | .4601323 | 1.863514 | .6342091 |
| #1        | 2458.953 | 26249.18 | 2731.795 | 1867.083 | 3289.432 |
| #2        | 2443.274 | 26346.00 | 2749.562 | 1876.898 | 3263.318 |
| #3        | 2426.117 | 25510.37 | 2756.240 | 1812.812 | 3248.509 |

Sample Name: P5040-01      Acquired: 12/10/2024 19:47:11      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKD6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0247386 | .0076033 | .2486966 | -.018645 | -.011294 | 53.50545 | .8876287 |
| Stddev | .0024365 | .0032107 | .0010958 | .004747  | .001588  | .56028   | .0108418 |
| %RSD   | 9.848812 | 42.22781 | .4406059 | 25.46024 | 14.05765 | 1.047153 | 1.221432 |
| #1     | .0226172 | .0039136 | .2498760 | -.023445 | -.009502 | 53.13623 | .8846709 |
| #2     | .0241989 | .0091350 | .2485038 | -.018539 | -.011858 | 54.15014 | .8996424 |
| #3     | .0273996 | .0097614 | .2477101 | -.013953 | -.012524 | 53.22998 | .8785727 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0040868 | .0030742 | 568.8245 | .0852587 | .1002602 | .1534119 | 132.4700 |
| Stddev | .0001680 | .0000408 | 5.9765   | .0021060 | .0001826 | .0038113 | 1.4016   |
| %RSD   | 4.109938 | 1.325597 | 1.050681 | 2.470134 | .1821097 | 2.484345 | 1.058077 |
| #1     | .0039767 | .0030925 | 565.9645 | .0828298 | .1000675 | .1498527 | 132.0756 |
| #2     | .0042801 | .0030275 | 575.6936 | .0863692 | .1004307 | .1574331 | 134.0265 |
| #3     | .0040037 | .0031026 | 564.8153 | .0865771 | .1002824 | .1529498 | 131.3078 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.741337 | 132.5268 | .1538312 | -.011679 | 1.050359 | .1482565 | .4260388 |
| Stddev | .069099  | 1.1151   | .0018995 | .000930  | .695771  | .0059319 | .0129188 |
| %RSD   | .8925924 | .8414454 | 1.234791 | 7.959327 | 66.24129 | 4.001082 | 3.032305 |
| #1     | 7.703128 | 131.9785 | .1546533 | -.010644 | .470660  | .1414091 | .4137065 |
| #2     | 7.821102 | 133.8100 | .1516591 | -.011950 | 1.821934 | .1518261 | .4394734 |
| #3     | 7.699782 | 131.7921 | .1551812 | -.012442 | .858482  | .1515344 | .4249364 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.696525 | 8.564021 | -.342769 | .0021918 | 1.152232 | 3.678304 | .0452870 |
| Stddev | .210099  | .037371  | .006745  | .0003018 | .005371  | .051151  | .0014018 |
| %RSD   | 3.688189 | .4363773 | 1.967931 | 13.77163 | .4661135 | 1.390627 | 3.095459 |
| #1     | 5.739646 | 8.604098 | -.334992 | .0018497 | 1.156549 | 3.628611 | .0463064 |
| #2     | 5.881718 | 8.530127 | -.347033 | .0023049 | 1.146218 | 3.730799 | .0436884 |
| #3     | 5.468211 | 8.557837 | -.346282 | .0024208 | 1.153929 | 3.675502 | .0458662 |



Sample Name: P5040-01      Acquired: 12/10/2024 19:47:11      Type: Unk

Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000

User: Kareem      Custom ID1: MBHKD6      Custom ID2:      Custom ID3:

Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9655599 | .5371474 | .0473804 |
| Stddev | .0080162 | .0043158 | .0036156 |
| %RSD   | .8302146 | .8034585 | 7.631065 |
| #1     | .9563230 | .5345508 | .0475611 |
| #2     | .9706982 | .5421293 | .0509023 |
| #3     | .9696583 | .5347620 | .0436778 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2720.235 | 29573.13 | 3007.952 | 2103.364 | 3442.572 |
| Stddev    | 3.690    | 291.77   | 23.996   | 23.513   | 12.691   |
| %RSD      | .1356401 | .9865963 | .7977578 | 1.117857 | .3686448 |
| #1        | 2715.975 | 29909.45 | 3027.556 | 2129.882 | 3428.896 |
| #2        | 2722.326 | 29422.09 | 2981.192 | 2085.062 | 3453.969 |
| #3        | 2722.404 | 29387.84 | 3015.108 | 2095.149 | 3444.852 |

Sample Name: CCV091      Acquired: 12/10/2024 19:51:01      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV091      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.848926 | 4.883780 | 24.70205 | 4.718395 | 4.806889 | 395.8415 |
| Stddev | .006798  | .008294  | .11882   | .015009  | .025770  | 3.6940   |
| %RSD   | .1402032 | .1698235 | .4810066 | .3180895 | .5361032 | .9332115 |
| #1     | 4.850054 | 4.878343 | 24.64044 | 4.703757 | 4.780642 | 397.9580 |
| #2     | 4.841635 | 4.879670 | 24.62669 | 4.717677 | 4.807871 | 397.9904 |
| #3     | 4.855090 | 4.893326 | 24.83902 | 4.733749 | 4.832154 | 391.5760 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 10.03114 | .5018246 | 2.485248 | 399.6508 | 15.42519 | 2.516646 |
| Stddev | .10286   | .0079700 | .010912  | 3.7093   | .04208   | .008880  |
| %RSD   | 1.025368 | 1.588195 | .4390797 | .9281331 | .2727954 | .3528471 |
| #1     | 10.09389 | .5061761 | 2.480279 | 401.9091 | 15.47249 | 2.513939 |
| #2     | 10.08710 | .5066716 | 2.477705 | 401.6734 | 15.39191 | 2.509436 |
| #3     | 9.91244  | .4926261 | 2.497761 | 395.3698 | 15.41117 | 2.526565 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 14.85878 | 402.4583 | 14.60206 | 397.2928 | 2.505510 | 1.236762 |
| Stddev | .11838   | 3.7706   | .12521   | 3.0912   | .009672  | .004837  |
| %RSD   | .7966844 | .9368800 | .8574752 | .7780626 | .3860421 | .3911266 |
| #1     | 14.92747 | 405.0449 | 14.66217 | 399.1020 | 2.502324 | 1.242320 |
| #2     | 14.92677 | 404.1980 | 14.68588 | 399.0530 | 2.497832 | 1.234466 |
| #3     | 14.72209 | 398.1320 | 14.45813 | 393.7236 | 2.516373 | 1.233500 |

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 394.6370 | 2.509915 | 14.20221 | 150.2906 | 4.966641 | F 4.137039 |
| Stddev | 3.4621   | .033989  | .09791   | 1.3518   | .019807  | .073046    |
| %RSD   | .8772924 | 1.354195 | .6894249 | .8994345 | .3988023 | 1.765671   |
| #1     | 396.5745 | 2.524869 | 14.16067 | 151.1444 | 4.958845 | 4.184189   |
| #2     | 396.6966 | 2.533862 | 14.13190 | 150.9952 | 4.951918 | 4.174031   |
| #3     | 390.6399 | 2.471012 | 14.31404 | 148.7321 | 4.989160 | 4.052896   |

Sample Name: CCV091      Acquired: 12/10/2024 19:51:01      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV091      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.793485 | 4.978112 | 4.860699 | 4.980226 | 4.923233 | 4.741233 |
| Stddev | .019881  | .027473  | .077998  | .018114  | .041211  | .036453  |
| %RSD   | .4147604 | .5518824 | 1.604663 | .3637251 | .8370658 | .7688548 |
| #1     | 4.774779 | 4.982775 | 4.910865 | 4.978512 | 4.960405 | 4.759060 |
| #2     | 4.791313 | 4.948606 | 4.900394 | 4.963029 | 4.930377 | 4.765343 |
| #3     | 4.814364 | 5.002956 | 4.770838 | 4.999136 | 4.878917 | 4.699297 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | 4.998456 |
| Stddev | .050452  |
| %RSD   | 1.009349 |
| #1     | 5.027081 |
| #2     | 5.028084 |
| #3     | 4.940202 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2093.720 | 24164.31 | 2581.307 | 1599.809 | 3084.021 |
| Stddev    | 7.459    | 73.11    | 35.130   | 9.097    | 8.293    |
| %RSD      | .3562463 | .3025442 | 1.360943 | .5686558 | .2689021 |
| #1        | 2102.244 | 24127.47 | 2563.231 | 1598.501 | 3089.129 |
| #2        | 2090.526 | 24248.50 | 2558.896 | 1609.490 | 3088.482 |
| #3        | 2088.391 | 24116.95 | 2621.795 | 1591.437 | 3074.452 |

Sample Name: CCB091      Acquired: 12/10/2024 19:54:39      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB091      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.001422 | .0016286 | .0012843 | .0023636 | .0008839 | .0418470 |
| Stddev | .002345  | .0009893 | .0007954 | .0066752 | .0016915 | .0155014 |
| %RSD   | 164.8568 | 60.74406 | 61.93790 | 282.4186 | 191.3668 | 37.04301 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.004103 | .0025885 | .0017825 | .0016944 | .0023648 | .0241768 |
| #2 | -.000409 | .0006123 | .0003669 | .0093482 | .0012464 | .0482089 |
| #3 | .000246  | .0016852 | .0017034 | -.003952 | -.000959 | .0531553 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0004034 | -.000003 | .0001326 | .0271364 | -.000507 | .0000797 |
| Stddev | .0014549 | .000072  | .0000585 | .0445572 | .000261  | .0000932 |
| %RSD   | 360.7009 | 2098.089 | 44.09545 | 164.1973 | 51.44774 | 116.9419 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.001277 | -.000069 | .0000708 | .0784247 | -.000599 | -.000021 |
| #2 | .001256  | .000073  | .0001870 | .0050244 | -.000710 | .000163  |
| #3 | .001231  | -.000014 | .0001399 | -.002040 | -.000213 | .000098  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0017463 | .0238855 | .0009725 | -.078008 | -.000877 | -.000221 |
| Stddev | .0054830 | .0218527 | .0009907 | .060726  | .000614  | .000680  |
| %RSD   | 313.9826 | 91.48931 | 101.8653 | 77.84624 | 70.06030 | 307.6914 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0080710 | .0487224 | -.000148 | -.101477 | -.001006 | -.000287 |
| #2 | -.001168 | .0153252 | .001733  | -.123496 | -.001416 | -.000866 |
| #3 | -.001664 | .0076089 | .001332  | -.009049 | -.000208 | .000489  |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060779 | -.004064 | .0022649 | -.102331 | .0004357 | .0111053 |
| Stddev | .8275941 | .008523  | .0052654 | .160693  | .0011264 | .0011455 |
| %RSD   | 13616.41 | 209.7105 | 232.4723 | 157.0316 | 258.5512 | 10.31509 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | -.426155 | -.013382 | .0031652 | -.286239 | .0011738 | .0124261 |
| #2 | -.515906 | -.002148 | .0070221 | -.031728 | -.000861 | .0103832 |
| #3 | .960295  | .003337  | -.003393 | .010972  | .000994  | .0105065 |

Sample Name: CCB091      Acquired: 12/10/2024 19:54:39      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB091      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899     | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | -.000318 | -.002639 | -.000471 | F -.010386 | .0058498 | .0001982 |
| Stddev | .000383  | .002423  | .000231  | .000905    | .0024694 | .0001963 |
| %RSD   | 120.1443 | 91.80611 | 49.11425 | 8.710425   | 42.21377 | 99.00858 |
| #1     | -.000371 | -.002823 | -.000662 | -.010741   | .0034970 | .0001452 |
| #2     | -.000672 | -.000130 | -.000537 | -.011059   | .0084213 | .0004155 |
| #3     | .000088  | -.004964 | -.000214 | -.009357   | .0056311 | .0000339 |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.033566 |
| Stddev | .004619    |
| %RSD   | 13.75977   |
| #1     | -.034644   |
| #2     | -.028503   |
| #3     | -.037550   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2516.498 | 27786.29 | 2695.770 | 1961.358 | 3937.028 |
| Stddev    | 17.777   | 158.43   | 25.067   | 7.852    | 24.139   |
| %RSD      | .7064354 | .5701837 | .9298504 | .4003159 | .6131316 |
| #1        | 2517.050 | 27959.51 | 2689.628 | 1969.921 | 3939.174 |
| #2        | 2498.451 | 27750.65 | 2723.337 | 1959.653 | 3911.888 |
| #3        | 2533.993 | 27648.71 | 2674.345 | 1954.498 | 3960.023 |

Sample Name: P5040-02      Acquired: 12/10/2024 19:58:41      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKD6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0269651 | .0102666 | .2586441 | -.022852 | -.008144 | 53.58513 | .8934796 |
| Stddev | .0003346 | .0008102 | .0024927 | .001839  | .001750  | .31349   | .0081069 |
| %RSD   | 1.240912 | 7.891579 | .9637444 | 8.048110 | 21.48304 | .5850235 | .9073390 |
| #1     | .0266668 | .0105882 | .2599771 | -.020751 | -.009663 | 53.93264 | .9026909 |
| #2     | .0273269 | .0093450 | .2557684 | -.023635 | -.008538 | 53.49913 | .8903184 |
| #3     | .0269017 | .0108666 | .2601868 | -.024169 | -.006231 | 53.32362 | .8874296 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0041781 | .0033192 | 572.5319 | .0851389 | .1026328 | .1582160 | 132.7009 |
| Stddev | .0001550 | .0001424 | 3.8096   | .0008254 | .0008079 | .0097216 | .7163    |
| %RSD   | 3.709288 | 4.289021 | .6654022 | .9695054 | .7871505 | 6.144502 | .5397634 |
| #1     | .0042489 | .0031683 | 576.8216 | .0841858 | .1026659 | .1620112 | 133.5110 |
| #2     | .0040003 | .0034512 | 571.2308 | .0856096 | .1018089 | .1654675 | 132.4399 |
| #3     | .0042850 | .0033381 | 569.5432 | .0856213 | .1034237 | .1471693 | 132.1517 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 7.795998 | 133.3919 | .1572721 | -.013057 | .6328737 | .1421257 | .4341493 |
| Stddev | .050873  | .8842    | .0006561 | .000687  | .1569509 | .0010269 | .0065838 |
| %RSD   | .6525563 | .6628874 | .4171531 | 5.264596 | 24.79972 | .7225012 | 1.516495 |
| #1     | 7.850707 | 134.3250 | .1566285 | -.012446 | .7821940 | .1409443 | .4383106 |
| #2     | 7.787172 | 133.2846 | .1572478 | -.012923 | .6471585 | .1426291 | .4375787 |
| #3     | 7.750115 | 132.5663 | .1579400 | -.013801 | .4692687 | .1428037 | .4265587 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.532160 | 8.822835 | -.343279 | .0026073 | 1.188336 | 3.728435 | .0459856 |
| Stddev | .028767  | .057301  | .002432  | .0003348 | .005143  | .016874  | .0005657 |
| %RSD   | .5199914 | .6494663 | .7084537 | 12.83955 | .4327815 | .4525778 | 1.230156 |
| #1     | 5.504905 | 8.803888 | -.341245 | .0022792 | 1.190978 | 3.737345 | .0465877 |
| #2     | 5.529344 | 8.777407 | -.342619 | .0025944 | 1.182410 | 3.738987 | .0459040 |
| #3     | 5.562231 | 8.887211 | -.345973 | .0029484 | 1.191622 | 3.708974 | .0454651 |

Sample Name: P5040-02      Acquired: 12/10/2024 19:58:41      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKD6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9760708 | .5440448 | .0520208 |
| Stddev | .0052612 | .0035021 | .0042308 |
| %RSD   | .5390191 | .6437227 | 8.132945 |
| #1     | .9795024 | .5471354 | .0480689 |
| #2     | .9786964 | .5447582 | .0564841 |
| #3     | .9700135 | .5402409 | .0515094 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2720.708 | 29693.01 | 3042.828 | 2113.665 | 3419.156 |
| Stddev    | 8.804    | 253.35   | 9.622    | 19.045   | 13.522   |
| %RSD      | .3235761 | .8532349 | .3162166 | .9010602 | .3954855 |
| #1        | 2725.797 | 29971.62 | 3033.785 | 2132.588 | 3426.304 |
| #2        | 2725.784 | 29630.97 | 3052.940 | 2113.909 | 3427.603 |
| #3        | 2710.543 | 29476.44 | 3041.758 | 2094.499 | 3403.560 |

Sample Name: P5040-01LX5      Acquired: 12/10/2024 20:02:31      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKD6L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0008144 | .0110618 | .0512780 | -.012263 | -.009447 | 11.61191 | .1939818 |
| Stddev | .0021692 | .0017891 | .0020325 | .003957  | .000761  | .06894   | .0007825 |
| %RSD   | 266.3435 | 16.17388 | 3.963737 | 32.26726 | 8.054025 | .5936712 | .4033909 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | -.000962 | .0123078 | .0526717 | -.007694 | -.008621 | 11.61769 | .1944420 |
| #2 | .000173  | .0118659 | .0522165 | -.014608 | -.010119 | 11.67778 | .1944251 |
| #3 | .003232  | .0090117 | .0489458 | -.014485 | -.009601 | 11.54027 | .1930783 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009073 | .0005822 | 127.5305 | .0188652 | .0385672 | .0379783 | 29.74690 |
| Stddev | .0000567 | .0000738 | .8324    | .0001224 | .0002227 | .0017178 | .18021   |
| %RSD   | 6.244497 | 12.66734 | .6527084 | .6487108 | .5775438 | 4.523246 | .6058142 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | .0008967 | .0006475 | 127.7680 | .0187359 | .0384010 | .0386975 | 29.89535 |
| #2 | .0009685 | .0005970 | 128.2184 | .0188804 | .0384805 | .0360177 | 29.79896 |
| #3 | .0008566 | .0005022 | 126.6052 | .0189793 | .0388203 | .0392196 | 29.54639 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.752513 | 29.81423 | .0306484 | -.002468 | .1225620 | .0297389 | .0958992 |
| Stddev | .011370  | .06534   | .0004402 | .000431  | .5696167 | .0057118 | .0089328 |
| %RSD   | .6487896 | .2191445 | 1.436391 | 17.45183 | 464.7580 | 19.20639 | 9.314807 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.752223 | 29.79862 | .0301456 | -.001981 | .5637389 | .0312616 | .0955590 |
| #2 | 1.764025 | 29.88596 | .0309650 | -.002622 | .3244489 | .0234201 | .1049972 |
| #3 | 1.741290 | 29.75811 | .0308345 | -.002800 | -.520502 | .0345351 | .0871413 |

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7807538 | 1.689701 | -.078079 | -.001269 | .2328192 | .8408165 | .0006059 |
| Stddev | .2551022 | .005259  | .001356  | .000516  | .0015028 | .0027364 | .0013910 |
| %RSD   | 32.67384 | .3112515 | 1.736617 | 40.65346 | .6454982 | .3254430 | 229.5694 |

|    |          |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|----------|
| #1 | 1.066783 | 1.689235 | -.079004 | -.001129 | .2311647 | .8437273 | .0021048 |
| #2 | .698712  | 1.684690 | -.078710 | -.001841 | .2331929 | .8404255 | -.000643 |
| #3 | .576767  | 1.695178 | -.076522 | -.000838 | .2340999 | .8382966 | .000356  |



Sample Name: P5040-01LX5      Acquired: 12/10/2024 20:02:31      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKD6L      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .2193835 | .1190915 | -.027734 |
| Stddev | .0051829 | .0008912 | .001477  |
| %RSD   | 2.362487 | .7483489 | 5.326319 |
| #1     | .2200336 | .1186525 | -.029254 |
| #2     | .2242107 | .1201171 | -.026303 |
| #3     | .2139062 | .1185050 | -.027645 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2587.148 | 28214.62 | 2818.842 | 1997.715 | 3757.646 |
| Stddev    | 12.325   | 127.94   | 8.216    | 17.821   | 21.384   |
| %RSD      | .4764092 | .4534466 | .2914597 | .8920819 | .5690787 |
| #1        | 2597.110 | 28078.74 | 2817.195 | 1979.342 | 3771.084 |
| #2        | 2590.970 | 28232.37 | 2811.574 | 1998.876 | 3768.867 |
| #3        | 2573.365 | 28332.76 | 2827.756 | 2014.927 | 3732.987 |

Sample Name: P5040-03      Acquired: 12/10/2024 20:06:26      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKD6S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1048847 | .0992774 | .2895646 | .1299342 | .1520228 | 56.27329 | 4.504922 |
| Stddev | .0037625 | .0022748 | .0047811 | .0025629 | .0004243 | .39570   | .024245  |
| %RSD   | 3.587248 | 2.291365 | 1.651136 | 1.972447 | .2791377 | .7031696 | .5381983 |
| #1     | .1050114 | .1018690 | .2938951 | .1295376 | .1517654 | 55.83691 | 4.477497 |
| #2     | .1085822 | .0983521 | .2844339 | .1275927 | .1525126 | 56.60877 | 4.523510 |
| #3     | .1010604 | .0976110 | .2903649 | .1326722 | .1517904 | 56.37419 | 4.513757 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0967348 | .0982322 | 566.0912 | .4731520 | 1.092021 | .5760804 | 133.1100 |
| Stddev | .0002646 | .0007846 | 4.2425   | .0157001 | .007784  | .0138839 | 1.0205   |
| %RSD   | .2735350 | .7987219 | .7494429 | 3.318182 | .7128340 | 2.410061 | .7666652 |
| #1     | .0964746 | .0991292 | 561.6739 | .4912806 | 1.100879 | .5600612 | 131.9608 |
| #2     | .0967264 | .0976734 | 570.1342 | .4640108 | 1.086272 | .5846406 | 133.9103 |
| #3     | .0970036 | .0978940 | 566.4655 | .4641646 | 1.088912 | .5835392 | 133.4588 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 8.585925 | 131.3852 | 1.153444 | .0746315 | .5990957 | 1.072421 | 1.217286 |
| Stddev | .089982  | 1.3633   | .009444  | .0019915 | .1727585 | .002509  | .029275  |
| %RSD   | 1.048020 | 1.037633 | .8187465 | 2.668394 | 28.83654 | .2339542 | 2.404948 |
| #1     | 8.507750 | 130.0239 | 1.164296 | .0769009 | .4912342 | 1.073897 | 1.245091 |
| #2     | 8.684286 | 132.7505 | 1.147093 | .0738186 | .5076996 | 1.069524 | 1.220031 |
| #3     | 8.565738 | 131.3811 | 1.148943 | .0731751 | .7983534 | 1.073841 | 1.186734 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 5.541936 | 8.596054 | -.350019 | .0022346 | 1.181038 | 3.691553 | .0461826 |
| Stddev | .080528  | .078277  | .003270  | .0000264 | .014687  | .004980  | .0014960 |
| %RSD   | 1.453061 | .9106102 | .9343039 | 1.180326 | 1.243590 | .1349056 | 3.239306 |
| #1     | 5.465326 | 8.686341 | -.349228 | .0022188 | 1.194872 | 3.696026 | .0459765 |
| #2     | 5.625879 | 8.547230 | -.353612 | .0022200 | 1.165625 | 3.686186 | .0448003 |
| #3     | 5.534602 | 8.554593 | -.347217 | .0022650 | 1.182616 | 3.692447 | .0477709 |

Sample Name: P5040-03      Acquired: 12/10/2024 20:06:26      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: MBHKD6S      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .9595983 | .5329752 | .0415496 |
| Stddev | .0101936 | .0048558 | .0036395 |
| %RSD   | 1.062282 | .9110686 | 8.759377 |
| #1     | .9533367 | .5290608 | .0392924 |
| #2     | .9713607 | .5384090 | .0457481 |
| #3     | .9540976 | .5314559 | .0396082 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2723.892 | 29456.79 | 3038.278 | 2099.942 | 3439.291 |
| Stddev    | 11.057   | 679.14   | 29.687   | 41.134   | 16.548   |
| %RSD      | .4059236 | 2.305547 | .9770991 | 1.958806 | .4811491 |
| #1        | 2715.360 | 28679.38 | 3071.900 | 2052.883 | 3422.615 |
| #2        | 2736.384 | 29756.31 | 3015.681 | 2117.896 | 3455.708 |
| #3        | 2719.933 | 29934.69 | 3027.253 | 2129.046 | 3439.548 |

Sample Name: P4977-01      Acquired: 12/10/2024 20:10:15      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960     | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0115811 | .0101898 | .0328718 | -.035021   | -.018307 | 17.85760 |
| Stddev | .0013728 | .0007557 | .0014295 | .004270    | .002385  | .08261   |
| %RSD   | 11.85391 | 7.416631 | 4.348819 | 12.19123   | 13.02841 | .4626075 |
| #1     | .0116592 | .0093513 | .0342336 | -.031413   | -.016138 | 17.94890 |
| #2     | .0129132 | .0103997 | .0313830 | -.033916   | -.017921 | 17.78803 |
| #3     | .0101709 | .0108184 | .0329989 | -.039735   | -.020861 | 17.83585 |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0759329 | .0015964 | .0010137 | F 1179.146 | .0592752 | .0716665 |
| Stddev | .0002735 | .0000591 | .0000370 | 3.792      | .0011273 | .0006713 |
| %RSD   | .3601418 | 3.703798 | 3.654024 | .3215518   | 1.901845 | .9367048 |
| #1     | .0762284 | .0016004 | .0009759 | 1183.168   | .0604252 | .0720408 |
| #2     | .0756887 | .0015355 | .0010500 | 1175.637   | .0592285 | .0708915 |
| #3     | .0758815 | .0016535 | .0010153 | 1178.633   | .0581720 | .0720672 |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0645117 | 63.64551 | 2.204463 | 257.2581   | .0845604 | -.005798 |
| Stddev | .0096331 | .12896   | .003154  | 1.1937     | .0004296 | .000539  |
| %RSD   | 14.93225 | .2026243 | .1430570 | .4640265   | .5080422 | 9.288013 |
| #1     | .0676398 | 63.78635 | 2.206889 | 258.6198   | .0848051 | -.005691 |
| #2     | .0721919 | 63.53320 | 2.200898 | 256.3916   | .0848117 | -.006383 |
| #3     | .0537033 | 63.61698 | 2.205601 | 256.7631   | .0840643 | -.005322 |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698     | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .4495186 | .0678278 | .1888925 | .8814164   | 2.251067 | -.144842 |
| Stddev | .6687387 | .0052638 | .0046008 | .1070599   | .010301  | .002121  |
| %RSD   | 148.7678 | 7.760513 | 2.435658 | 12.14635   | .4576146 | 1.464605 |
| #1     | 1.199322 | .0721646 | .1892677 | .8581089   | 2.239179 | -.146572 |
| #2     | -.085251 | .0619714 | .1841156 | .7879302   | 2.256647 | -.142475 |
| #3     | .234485  | .0693474 | .1932942 | .9982100   | 2.257374 | -.145480 |

Sample Name: P4977-01      Acquired: 12/10/2024 20:10:15      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0026549 | 1.251107 | 2.142571 | .0500182 | .4724162 | 1.093829 |
| Stddev | .0002316 | .006551  | .011962  | .0013427 | .0022380 | .005163  |
| %RSD   | 8.725286 | .5236120 | .5582859 | 2.684362 | .4737327 | .4720237 |
| #1     | .0024164 | 1.256340 | 2.155708 | .0495358 | .4749766 | 1.099574 |
| #2     | .0028790 | 1.243760 | 2.132309 | .0489834 | .4714394 | 1.092336 |
| #3     | .0026693 | 1.253222 | 2.139695 | .0515354 | .4708326 | 1.089577 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.020760 |
| Stddev | .003402  |
| %RSD   | 16.38878 |
| #1     | -.020827 |
| #2     | -.017325 |
| #3     | -.024129 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2374.512 | 25814.49 | 2719.154 | 1828.145 | 3165.672 |
| Stddev    | 4.168    | 78.36    | 17.649   | 7.319    | 10.760   |
| %RSD      | .1755333 | .3035543 | .6490799 | .4003268 | .3399011 |
| #1        | 2375.633 | 25904.62 | 2710.980 | 1833.092 | 3167.884 |
| #2        | 2378.005 | 25762.48 | 2739.408 | 1819.738 | 3175.155 |
| #3        | 2369.898 | 25776.38 | 2707.073 | 1831.606 | 3153.978 |

Sample Name: P4977-02      Acquired: 12/10/2024 20:14:08      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0625170 | .0128397 | .0556118 | -.031135 | -.015432 | 21.56641 |
| Stddev | .0028370 | .0020857 | .0030343 | .003727  | .002460  | .28277   |
| %RSD   | 4.537974 | 16.24442 | 5.456136 | 11.97084 | 15.94405 | 1.311138 |
| #1     | .0627166 | .0108163 | .0532330 | -.030051 | -.016276 | 21.24001 |
| #2     | .0652490 | .0149826 | .0590289 | -.028069 | -.012660 | 21.72233 |
| #3     | .0595855 | .0127202 | .0545734 | -.035283 | -.017359 | 21.73690 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .2650299 | .0019736 | .0027890 | F 1187.188 | .0622440 | .0910583 |
| Stddev | .0034923 | .0000134 | .0000152 | 13.712     | .0008320 | .0002818 |
| %RSD   | 1.317716 | .6793564 | .5454805 | 1.154983   | 1.336687 | .3094426 |
| #1     | .2615757 | .0019797 | .0027952 | 1171.554   | .0620745 | .0913822 |
| #2     | .2649549 | .0019828 | .0028002 | 1192.835   | .0615098 | .0909233 |
| #3     | .2685592 | .0019582 | .0027717 | 1197.174   | .0631477 | .0908694 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0994102 | 99.56439 | 8.423992 | 273.7448 | .1737255 | -.010431 |
| Stddev | .0120640 | 1.38354  | .102730  | 3.0022   | .0006978 | .000655  |
| %RSD   | 12.13555 | 1.389591 | 1.219488 | 1.096716 | .4016453 | 6.274984 |
| #1     | .0906916 | 97.96762 | 8.307252 | 270.2953 | .1739419 | -.010277 |
| #2     | .0943606 | 100.3191 | 8.464139 | 275.1712 | .1742894 | -.009868 |
| #3     | .1131785 | 100.4065 | 8.500586 | 275.7678 | .1729452 | -.011150 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.185473 | .0990930 | .2345508 | 2.059648 | 2.872159 | -.244810 |
| Stddev | .490837  | .0048967 | .0049279 | .108391  | .008048  | .004119  |
| %RSD   | 41.40433 | 4.941521 | 2.100995 | 5.262619 | .2801911 | 1.682472 |
| #1     | 1.489398 | .1017170 | .2360776 | 1.934826 | 2.875892 | -.241924 |
| #2     | 1.447810 | .0934435 | .2385347 | 2.130020 | 2.877662 | -.242979 |
| #3     | .619212  | .1021184 | .2290403 | 2.114098 | 2.862923 | -.249527 |

Sample Name: P4977-02      Acquired: 12/10/2024 20:14:08      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0111625 | 1.405409 | 2.429560 | .0139723 | .8621238 | .9236846 |
| Stddev | .0001422 | .009945  | .037222  | .0014835 | .0124482 | .0112288 |
| %RSD   | 1.274299 | .7076204 | 1.532042 | 10.61746 | 1.443898 | 1.215656 |
| #1     | .0110067 | 1.394137 | 2.389142 | .0127763 | .8482091 | .9109450 |
| #2     | .0111954 | 1.409142 | 2.437112 | .0135082 | .8659598 | .9279652 |
| #3     | .0112855 | 1.412947 | 2.462427 | .0156323 | .8722025 | .9321435 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.020117 |
| Stddev | .001948  |
| %RSD   | 9.684211 |
| #1     | -.019955 |
| #2     | -.018255 |
| #3     | -.022142 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2447.853 | 26617.20 | 2793.697 | 1884.610 | 3194.002 |
| Stddev    | 6.063    | 81.41    | 51.533   | 6.229    | 9.234    |
| %RSD      | .2476975 | .3058511 | 1.844625 | .3305221 | .2890918 |
| #1        | 2452.202 | 26620.01 | 2846.169 | 1891.334 | 3198.827 |
| #2        | 2440.927 | 26697.17 | 2791.765 | 1879.036 | 3183.355 |
| #3        | 2450.430 | 26534.42 | 2743.157 | 1883.461 | 3199.824 |

Sample Name: P4977-06      Acquired: 12/10/2024 20:18:00      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0125879 | .0130428 | .0306161 | -.033323 | -.015714 | 13.51626 |
| Stddev | .0031932 | .0032344 | .0008311 | .002468  | .001106  | .16631   |
| %RSD   | 25.36702 | 24.79834 | 2.714688 | 7.405449 | 7.036531 | 1.230462 |
| #1     | .0108943 | .0128423 | .0297761 | -.033044 | -.014880 | 13.70505 |
| #2     | .0105983 | .0099133 | .0306340 | -.031006 | -.016968 | 13.45236 |
| #3     | .0162711 | .0163728 | .0314381 | -.035918 | -.015293 | 13.39138 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0529093 | .0013060 | .0011458 | F 1152.890 | .0362151 | .0664393 |
| Stddev | .0004431 | .0000754 | .0001047 | 13.885     | .0005385 | .0004594 |
| %RSD   | .8375501 | 5.771676 | 9.135692 | 1.204358   | 1.486999 | .6914716 |
| #1     | .0529236 | .0013778 | .0012630 | 1168.922   | .0363629 | .0666560 |
| #2     | .0524592 | .0013127 | .0011125 | 1144.723   | .0366643 | .0659116 |
| #3     | .0533451 | .0012275 | .0010618 | 1145.024   | .0356181 | .0667503 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0445128 | 59.65775 | 5.030145 | 358.4376 | .0632313 | -.006639 |
| Stddev | .0049814 | .69319   | .060471  | 4.5805   | .0000879 | .001089  |
| %RSD   | 11.19097 | 1.161948 | 1.202163 | 1.277904 | .1389913 | 16.39886 |
| #1     | .0396193 | 60.45739 | 5.099815 | 363.7100 | .0632072 | -.005657 |
| #2     | .0495777 | 59.28880 | 4.991275 | 355.4374 | .0631579 | -.007810 |
| #3     | .0443412 | 59.22707 | 4.999347 | 356.1655 | .0633287 | -.006450 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 1.168541 | .0569564 | .1416600 | .5284948 | 1.762129 | -.132586 |
| Stddev | .456815  | .0038731 | .0060824 | .1329051 | .003298  | .000225  |
| %RSD   | 39.09273 | 6.800127 | 4.293622 | 25.14786 | .1871444 | .1693275 |
| #1     | 1.695958 | .0525197 | .1457954 | .3757883 | 1.761164 | -.132836 |
| #2     | .897504  | .0586865 | .1346762 | .5916452 | 1.765802 | -.132518 |
| #3     | .912162  | .0596628 | .1445085 | .6180509 | 1.759422 | -.132403 |



Sample Name: P4977-06      Acquired: 12/10/2024 20:18:00      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29F9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0023946 | 1.414818 | 1.736409 | .0055915 | .6130733 | .7453203 |
| Stddev | .0004371 | .002067  | .011252  | .0005894 | .0074477 | .0101741 |
| %RSD   | 18.25285 | .1461135 | .6480317 | 10.54138 | 1.214816 | 1.365060 |
| #1     | .0028570 | 1.417186 | 1.746858 | .0050217 | .6216691 | .7570659 |
| #2     | .0019884 | 1.413371 | 1.737873 | .0055540 | .6090060 | .7396501 |
| #3     | .0023382 | 1.413898 | 1.724497 | .0061988 | .6085449 | .7392448 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.032781 |
| Stddev | .002120  |
| %RSD   | 6.467770 |
| #1     | -.032649 |
| #2     | -.030730 |
| #3     | -.034964 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2406.357 | 26256.69 | 2732.589 | 1856.590 | 3184.247 |
| Stddev    | 5.174    | 98.42    | 31.347   | 20.378   | 4.615    |
| %RSD      | .2149985 | .3748395 | 1.147143 | 1.097580 | .1449198 |
| #1        | 2401.896 | 26194.54 | 2696.396 | 1845.514 | 3180.445 |
| #2        | 2412.029 | 26370.17 | 2750.345 | 1880.107 | 3189.381 |
| #3        | 2405.146 | 26205.37 | 2751.028 | 1844.149 | 3182.913 |

Sample Name: P4977-07      Acquired: 12/10/2024 20:21:53      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29G0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0320840 | .0101609 | .0508076 | -.041149 | -.018396 | 13.75263 |
| Stddev | .0017741 | .0028427 | .0019204 | .001970  | .002724  | .04193   |
| %RSD   | 5.529504 | 27.97715 | 3.779819 | 4.787467 | 14.80522 | .3048519 |
| #1     | .0300380 | .0099282 | .0518704 | -.042827 | -.021199 | 13.79070 |
| #2     | .0330177 | .0131129 | .0519617 | -.041642 | -.015760 | 13.75949 |
| #3     | .0331961 | .0074417 | .0485907 | -.038980 | -.018230 | 13.70769 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0723677 | .0016477 | .0013072 | F 1393.704 | .0413615 | .0717301 |
| Stddev | .0005970 | .0000591 | .0001355 | 1.473      | .0008573 | .0007743 |
| %RSD   | .8249731 | 3.587731 | 10.36369 | .1056737   | 2.072647 | 1.079415 |
| #1     | .0718419 | .0015866 | .0014618 | 1392.004   | .0410996 | .0709169 |
| #2     | .0730167 | .0016519 | .0012094 | 1394.493   | .0423192 | .0724584 |
| #3     | .0722446 | .0017046 | .0012503 | 1394.614   | .0406657 | .0718152 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0733749 | 63.33860 | 3.233329 | 367.2036 | .0837009 | -.006690 |
| Stddev | .0061780 | .04024   | .008084  | .7293    | .0007939 | .000578  |
| %RSD   | 8.419779 | .0635380 | .2500269 | .1986194 | .9484866 | 8.638148 |
| #1     | .0681792 | 63.29242 | 3.224009 | 366.4243 | .0839188 | -.007005 |
| #2     | .0802061 | 63.36618 | 3.238446 | 367.3168 | .0843631 | -.007042 |
| #3     | .0717394 | 63.35720 | 3.237532 | 367.8698 | .0828208 | -.006023 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .6174519 | .0613222 | .1907261 | .6645368 | 1.848532 | -.125684 |
| Stddev | .5398965 | .0044018 | .0062005 | .0587545 | .001018  | .001053  |
| %RSD   | 87.43944 | 7.178193 | 3.251000 | 8.841427 | .0550658 | .8377938 |
| #1     | 1.133977 | .0653572 | .1921509 | .7129876 | 1.848947 | -.126192 |
| #2     | .056882  | .0566279 | .1839372 | .6814389 | 1.847372 | -.126385 |
| #3     | .661496  | .0619816 | .1960902 | .5991837 | 1.849276 | -.124473 |

Sample Name: P4977-07      Acquired: 12/10/2024 20:21:53      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29G0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0056535 | 1.556072 | 1.993510 | .0025156 | .3914378 | 1.005705 |
| Stddev | .0003329 | .001237  | .013886  | .0007504 | .0044264 | .000480  |
| %RSD   | 5.889331 | .0794984 | .6965386 | 29.83064 | 1.130801 | .0477017 |
| #1     | .0055559 | 1.556669 | 1.984372 | .0025392 | .3866275 | 1.005170 |
| #2     | .0053801 | 1.556897 | 2.009489 | .0032539 | .3953391 | 1.006095 |
| #3     | .0060243 | 1.554650 | 1.986669 | .0017536 | .3923467 | 1.005852 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.025068 |
| Stddev | .001500  |
| %RSD   | 5.984957 |
| #1     | -.025088 |
| #2     | -.026558 |
| #3     | -.023558 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2394.097 | 25776.48 | 2715.189 | 1817.924 | 3156.451 |
| Stddev    | 9.938    | 473.74   | 14.876   | 33.219   | 12.429   |
| %RSD      | .4150952 | 1.837865 | .5478984 | 1.827305 | .3937583 |
| #1        | 2397.740 | 25837.46 | 2707.514 | 1822.707 | 3162.943 |
| #2        | 2401.699 | 25275.21 | 2705.717 | 1782.573 | 3164.289 |
| #3        | 2382.852 | 26216.78 | 2732.335 | 1848.492 | 3142.120 |

Sample Name: P4977-08      Acquired: 12/10/2024 20:25:45      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29G1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960     | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0184392 | .0122091 | .0280129 | -.027164   | -.016899 | 12.24830 |
| Stddev | .0035521 | .0010379 | .0018881 | .001983    | .001589  | .05872   |
| %RSD   | 19.26396 | 8.501103 | 6.739994 | 7.299789   | 9.403838 | .4793943 |
| #1     | .0163154 | .0110798 | .0262804 | -.026002   | -.016103 | 12.25071 |
| #2     | .0164622 | .0124262 | .0300253 | -.029453   | -.015865 | 12.30577 |
| #3     | .0225399 | .0131213 | .0277332 | -.026036   | -.018728 | 12.18841 |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0631010 | .0010817 | .0006752 | F 831.0482 | .0373784 | .0589994 |
| Stddev | .0019855 | .0000738 | .0000830 | 2.8062     | .0009784 | .0003712 |
| %RSD   | 3.146520 | 6.826292 | 12.29398 | .3376720   | 2.617562 | .6292102 |
| #1     | .0652448 | .0009979 | .0005926 | 832.4033   | .0366937 | .0586566 |
| #2     | .0627328 | .0011101 | .0006746 | 832.9196   | .0384989 | .0593937 |
| #3     | .0613254 | .0011371 | .0007586 | 827.8216   | .0369425 | .0589479 |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0435532 | 37.97290 | 1.672889 | 183.7666   | .0616251 | -.004487 |
| Stddev | .0051236 | .04385   | .008592  | .9654      | .0015132 | .000145  |
| %RSD   | 11.76390 | .1154756 | .5136086 | .5253641   | 2.455447 | 3.239512 |
| #1     | .0404271 | 38.01395 | 1.681643 | 184.8045   | .0615233 | -.004424 |
| #2     | .0407663 | 37.92671 | 1.672554 | 183.5998   | .0601654 | -.004384 |
| #3     | .0494661 | 37.97803 | 1.664469 | 182.8954   | .0631866 | -.004653 |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698     | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .3618782 | .0511487 | .1185609 | .1452421   | 1.677360 | -.085071 |
| Stddev | .4986628 | .0029314 | .0105294 | .0757227   | .008568  | .001042  |
| %RSD   | 137.7985 | 5.731213 | 8.881009 | 52.13551   | .5107769 | 1.224581 |
| #1     | -.098403 | .0478045 | .1125902 | .2096981   | 1.667945 | -.084042 |
| #2     | .891636  | .0523675 | .1307186 | .1641805   | 1.679434 | -.085048 |
| #3     | .292402  | .0532741 | .1123740 | .0618477   | 1.684700 | -.086125 |

Sample Name: P4977-08      Acquired: 12/10/2024 20:25:45      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29G1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0009027 | 2.041236 | 1.754716 | -.000793 | .6287479 | .6672310 |
| Stddev | .0003844 | .010722  | .008783  | .000090  | .0022059 | .0018927 |
| %RSD   | 42.58693 | .5252845 | .5005182 | 11.32499 | .3508364 | .2836636 |
| #1     | .0009874 | 2.029054 | 1.764549 | -.000896 | .6312017 | .6686952 |
| #2     | .0004830 | 2.049244 | 1.751952 | -.000750 | .6281129 | .6679040 |
| #3     | .0012377 | 2.045409 | 1.747649 | -.000732 | .6269292 | .6650938 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.049320 |
| Stddev | .008093  |
| %RSD   | 16.40951 |
| #1     | -.043653 |
| #2     | -.045718 |
| #3     | -.058589 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2454.647 | 26841.20 | 2764.370 | 1898.652 | 3347.578 |
| Stddev    | 4.096    | 75.91    | 12.387   | 6.356    | 9.979    |
| %RSD      | .1668538 | .2827931 | .4480845 | .3347407 | .2980888 |
| #1        | 2457.472 | 26786.24 | 2751.775 | 1891.426 | 3353.911 |
| #2        | 2449.950 | 26809.56 | 2764.796 | 1901.158 | 3336.075 |
| #3        | 2456.519 | 26927.81 | 2776.538 | 1903.373 | 3352.748 |

Sample Name: P4977-09      Acquired: 12/10/2024 20:29:38      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29G2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0254839 | .0111139 | .0282570 | -.039790 | -.018908 | 13.52141 |
| Stddev | .0030623 | .0030531 | .0005506 | .001690  | .001436  | .05859   |
| %RSD   | 12.01653 | 27.47123 | 1.948400 | 4.246178 | 7.593376 | .4332915 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0274704 | .0145225 | .0288526 | -.039981 | -.017728 | 13.47879 |
| #2 | .0270241 | .0101893 | .0281516 | -.038014 | -.018491 | 13.58822 |
| #3 | .0219573 | .0086300 | .0277667 | -.041376 | -.020507 | 13.49722 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0638180 | .0012628 | .0007967 | F 1443.727 | .0425381 | .0674730 |
| Stddev | .0006432 | .0001388 | .0000399 | 4.273      | .0002577 | .0005818 |
| %RSD   | 1.007862 | 10.99420 | 5.006833 | .2959987   | .6058801 | .8622056 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0631346 | .0014231 | .0008421 | 1439.448 | .0422406 | .0674160 |
| #2 | .0644116 | .0011820 | .0007671 | 1447.995 | .0426872 | .0680811 |
| #3 | .0639079 | .0011833 | .0007809 | 1443.738 | .0426867 | .0669218 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0357311 | 41.17175 | 1.764456 | 317.7498 | .0684537 | -.004220 |
| Stddev | .0056114 | .16455   | .012461  | .8673    | .0010865 | .001334  |
| %RSD   | 15.70446 | .3996793 | .7062056 | .2729523 | 1.587183 | 31.60935 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0374832 | 41.01458 | 1.750078 | 316.8123 | .0680828 | -.005758 |
| #2 | .0402574 | 41.34281 | 1.772125 | 317.9136 | .0696771 | -.003519 |
| #3 | .0294528 | 41.15788 | 1.771164 | 318.5235 | .0676013 | -.003382 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5867077 | .0653736 | .1250877 | .1492857 | 1.473512 | -.081978 |
| Stddev | .3995373 | .0077975 | .0086582 | .0190919 | .008000  | .003849  |
| %RSD   | 68.09819 | 11.92763 | 6.921714 | 12.78880 | .5429020 | 4.695141 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .2012329 | .0625488 | .1165053 | .1275505 | 1.464297 | -.080095 |
| #2 | .9989603 | .0593822 | .1338198 | .1569624 | 1.477567 | -.086406 |
| #3 | .5599299 | .0741899 | .1249381 | .1633444 | 1.478672 | -.079434 |

Sample Name: P4977-09      Acquired: 12/10/2024 20:29:38      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29G2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0030313 | 2.266201 | 1.839135 | .0130760 | .5908983 | .8060040 |
| Stddev | .0003689 | .008803  | .003762  | .0016174 | .0099021 | .0025866 |
| %RSD   | 12.17043 | .3884530 | .2045660 | 12.36935 | 1.675773 | .3209212 |
| #1     | .0032515 | 2.263083 | 1.843198 | .0112672 | .5795750 | .8039336 |
| #2     | .0026054 | 2.259381 | 1.838436 | .0143832 | .5951853 | .8051749 |
| #3     | .0032370 | 2.276139 | 1.835772 | .0135775 | .5979345 | .8089036 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.034973 |
| Stddev | .006465  |
| %RSD   | 18.48592 |
| #1     | -.032813 |
| #2     | -.042242 |
| #3     | -.029865 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2359.095 | 25790.72 | 2723.567 | 1829.417 | 3147.551 |
| Stddev    | 4.407    | 252.09   | 6.457    | 18.532   | 2.268    |
| %RSD      | .1867953 | .9774392 | .2370727 | 1.012990 | .0720484 |
| #1        | 2360.968 | 26065.80 | 2721.799 | 1849.178 | 3149.494 |
| #2        | 2354.061 | 25570.74 | 2718.179 | 1812.425 | 3145.059 |
| #3        | 2362.255 | 25735.60 | 2730.724 | 1826.649 | 3148.099 |

Sample Name: P4976-01      Acquired: 12/10/2024 20:33:34      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29D7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0213878 | .0085294 | .0398707 | -.035749 | -.014641 | 15.13382 |
| Stddev | .0001780 | .0033127 | .0010543 | .002071  | .002390  | .10102   |
| %RSD   | .8320572 | 38.83849 | 2.644394 | 5.792034 | 16.32560 | .6675275 |
| #1     | .0215549 | .0055631 | .0395371 | -.033568 | -.015066 | 15.04946 |
| #2     | .0214078 | .0121041 | .0410515 | -.035991 | -.012067 | 15.24577 |
| #3     | .0212006 | .0079210 | .0390235 | -.037688 | -.016790 | 15.10622 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0594428 | .0016920 | .0011699 | F 1087.013 | .0385926 | .0756387 |
| Stddev | .0014500 | .0000613 | .0000603 | 7.624      | .0004602 | .0006725 |
| %RSD   | 2.439255 | 3.622978 | 5.152105 | .7013495   | 1.192483 | .8890951 |
| #1     | .0582136 | .0016226 | .0011991 | 1079.571   | .0385999 | .0748635 |
| #2     | .0610419 | .0017389 | .0011006 | 1094.806   | .0390491 | .0760656 |
| #3     | .0590730 | .0017144 | .0012101 | 1086.663   | .0381288 | .0759870 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0667778 | 61.26783 | 2.247656 | 280.1266 | .0824109 | -.005448 |
| Stddev | .0127123 | .37504   | .017407  | 1.4985   | .0003583 | .000641  |
| %RSD   | 19.03677 | .6121376 | .7744608 | .5349224 | .4348158 | 11.75882 |
| #1     | .0533628 | 60.84453 | 2.235948 | 279.1222 | .0827116 | -.005299 |
| #2     | .0786459 | 61.55866 | 2.267659 | 281.8490 | .0825066 | -.004895 |
| #3     | .0683248 | 61.40030 | 2.239361 | 279.4086 | .0820144 | -.006150 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2443316 | .0602969 | .1537939 | 1.244350 | 1.754964 | -.138118 |
| Stddev | .5365417 | .0080253 | .0042007 | .145967  | .004797  | .000705  |
| %RSD   | 219.5957 | 13.30968 | 2.731351 | 11.73037 | .2733181 | .5106746 |
| #1     | .7329895 | .0653727 | .1534402 | 1.141081 | 1.759177 | -.137459 |
| #2     | .3298316 | .0510446 | .1581602 | 1.180624 | 1.749744 | -.138032 |
| #3     | -.329826 | .0644734 | .1497813 | 1.411344 | 1.755973 | -.138862 |



Sample Name: P4976-01      Acquired: 12/10/2024 20:33:34      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29D7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0074370 | 1.050765 | 2.494026 | .0060443 | .4400491 | .7194547 |
| Stddev | .0003944 | .009302  | .014774  | .0012400 | .0053124 | .0058378 |
| %RSD   | 5.302844 | .8852448 | .5923956 | 20.51500 | 1.207235 | .8114250 |
| #1     | .0073153 | 1.057150 | 2.482072 | .0074602 | .4340583 | .7163998 |
| #2     | .0071179 | 1.055052 | 2.510544 | .0051520 | .4441867 | .7261861 |
| #3     | .0078779 | 1.040093 | 2.489461 | .0055207 | .4419022 | .7157782 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.036827 |
| Stddev | .002009  |
| %RSD   | 5.453974 |
| #1     | -.034968 |
| #2     | -.036556 |
| #3     | -.038957 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2381.216 | 26057.76 | 2729.359 | 1841.295 | 3193.327 |
| Stddev    | 5.358    | 58.74    | 25.842   | 6.367    | 6.317    |
| %RSD      | .2250026 | .2254369 | .9468302 | .3457983 | .1978088 |
| #1        | 2384.464 | 26123.00 | 2752.294 | 1844.381 | 3195.071 |
| #2        | 2384.151 | 26009.07 | 2701.360 | 1845.531 | 3198.589 |
| #3        | 2375.032 | 26041.20 | 2734.424 | 1833.973 | 3186.322 |

Sample Name: P4976-02      Acquired: 12/10/2024 20:37:27      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29D8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0130919 | .0089463 | .0316710 | -.037793 | -.015715 | 12.34077 |
| Stddev | .0020187 | .0014608 | .0012747 | .005807  | .001051  | .01814   |
| %RSD   | 15.41958 | 16.32827 | 4.024671 | 15.36548 | 6.690016 | .1470119 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0118372 | .0106116 | .0325482 | -.044197 | -.016006 | 12.32870 |
| #2 | .0154206 | .0083461 | .0302088 | -.032871 | -.016590 | 12.36164 |
| #3 | .0120179 | .0078813 | .0322559 | -.036310 | -.014548 | 12.33199 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0619075 | .0013975 | .0010737 | F 1266.555 | .0371063 | .0664553 |
| Stddev | .0007404 | .0000885 | .0000475 | 2.844      | .0002805 | .0004574 |
| %RSD   | 1.195989 | 6.330941 | 4.423962 | .2245085   | .7558322 | .6883013 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0625043 | .0013395 | .0010955 | 1265.109 | .0374156 | .0663747 |
| #2 | .0621393 | .0014994 | .0011063 | 1264.725 | .0370350 | .0660436 |
| #3 | .0610789 | .0013537 | .0010192 | 1269.831 | .0368684 | .0669477 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0764573 | 56.08183 | 2.165175 | 184.5770 | .0651714 | -.006227 |
| Stddev | .0036683 | .21352   | .005442  | .5427    | .0002328 | .001325  |
| %RSD   | 4.797897 | .3807206 | .2513215 | .2939989 | .3572472 | 21.27124 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0723840 | 56.06715 | 2.158908 | 184.0455 | .0650594 | -.007753 |
| #2 | .0774877 | 55.87603 | 2.167917 | 184.5554 | .0654391 | -.005561 |
| #3 | .0795003 | 56.30230 | 2.168701 | 185.1302 | .0650158 | -.005368 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .9109383 | .0548068 | .1559221 | .5114617 | 1.834687 | -.135462 |
| Stddev | .7281300 | .0060294 | .0061801 | .1232154 | .005324  | .000589  |
| %RSD   | 79.93187 | 11.00111 | 3.963593 | 24.09083 | .2902062 | .4350543 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0800059 | .0608785 | .1630580 | .6395904 | 1.840590 | -.135901 |
| #2 | 1.215333 | .0488207 | .1524007 | .3938314 | 1.830247 | -.135694 |
| #3 | 1.437476 | .0547210 | .1523074 | .5009634 | 1.833223 | -.134792 |

Sample Name: P4976-02      Acquired: 12/10/2024 20:37:27      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29D8      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0060562 | 1.209220 | 1.938302 | .0038067 | .4750567 | .9529797 |
| Stddev | .0002632 | .004514  | .011716  | .0005050 | .0052278 | .0023227 |
| %RSD   | 4.346270 | .3733080 | .6044607 | 13.26494 | 1.100462 | .2437331 |
| #1     | .0062471 | 1.205041 | 1.934688 | .0034887 | .4713525 | .9510669 |
| #2     | .0057559 | 1.208611 | 1.928819 | .0035424 | .4727809 | .9523079 |
| #3     | .0061656 | 1.214007 | 1.951400 | .0043890 | .4810367 | .9555643 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.046596 |
| Stddev | .002919  |
| %RSD   | 6.264439 |
| #1     | -.049960 |
| #2     | -.044743 |
| #3     | -.045084 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2402.618 | 26380.82 | 2756.404 | 1862.135 | 3206.163 |
| Stddev    | 6.886    | 38.04    | 11.694   | 9.756    | 3.747    |
| %RSD      | .2866111 | .1441951 | .4242468 | .5239384 | .1168762 |
| #1        | 2401.621 | 26406.99 | 2766.739 | 1869.980 | 3207.140 |
| #2        | 2409.949 | 26337.19 | 2758.762 | 1851.211 | 3209.325 |
| #3        | 2396.285 | 26398.29 | 2743.711 | 1865.216 | 3202.024 |

Sample Name: P4976-03      Acquired: 12/10/2024 20:41:20      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29D9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0491011 | .0115755 | .0377878 | -.036143 | -.016880 | 19.35083 |
| Stddev | .0036541 | .0014698 | .0027739 | .003941  | .003581  | .01547   |
| %RSD   | 7.441901 | 12.69739 | 7.340833 | 10.90326 | 21.21651 | .0799657 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0471897 | .0104259 | .0396299 | -.037373 | -.015809 | 19.35032 |
| #2 | .0467992 | .0132316 | .0345974 | -.031734 | -.013956 | 19.36655 |
| #3 | .0533144 | .0110691 | .0391360 | -.039321 | -.020874 | 19.33562 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0819256 | .0014037 | .0009524 | F 1066.318 | .0590494 | .0734340 |
| Stddev | .0016898 | .0001911 | .0000794 | .875       | .0007112 | .0002809 |
| %RSD   | 2.062602 | 13.61301 | 8.340291 | .0821044   | 1.204408 | .3824924 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0836401 | .0015775 | .0010436 | 1065.509 | .0598207 | .0732149 |
| #2 | .0818751 | .0014345 | .0008986 | 1067.248 | .0589080 | .0737507 |
| #3 | .0802617 | .0011991 | .0009149 | 1066.198 | .0584195 | .0733365 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0693521 | 57.41705 | 4.901896 | 256.9020 | .0898134 | -.004830 |
| Stddev | .0067877 | .18730   | .009061  | .3022    | .0010594 | .000380  |
| %RSD   | 9.787228 | .3262036 | .1848507 | .1176433 | 1.179510 | 7.869452 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0771182 | 57.39273 | 4.892299 | 257.0517 | .0888530 | -.005182 |
| #2 | .0663848 | 57.61533 | 4.903083 | 256.5542 | .0909497 | -.004882 |
| #3 | .0645534 | 57.24311 | 4.910304 | 257.1002 | .0896375 | -.004427 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .3444318 | .0820822 | .1819228 | .8998753 | 1.919258 | -.132928 |
| Stddev | .9658555 | .0013998 | .0084357 | .1034143 | .010161  | .002742  |
| %RSD   | 280.4199 | 1.705409 | 4.636982 | 11.49207 | .5294296 | 2.062930 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | 1.319169 | .0832281 | .1862006 | .9605002 | 1.912287 | -.130268 |
| #2 | .326416  | .0805220 | .1722052 | .9586583 | 1.914571 | -.132772 |
| #3 | -.612290 | .0824965 | .1873627 | .7804675 | 1.930917 | -.135746 |

Sample Name: P4976-03      Acquired: 12/10/2024 20:41:20      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29D9      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0031704 | 5.349647 | 2.368106 | .0043254 | .6438540 | .7733433 |
| Stddev | .0000538 | .023463  | .007717  | .0006077 | .0047280 | .0015600 |
| %RSD   | 1.695816 | .4385967 | .3258520 | 14.04987 | .7343247 | .2017166 |
| #1     | .0031410 | 5.323260 | 2.359745 | .0042147 | .6457756 | .7715895 |
| #2     | .0032324 | 5.357515 | 2.369619 | .0037806 | .6473186 | .7745760 |
| #3     | .0031377 | 5.368164 | 2.374954 | .0049808 | .6384678 | .7738645 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.022198 |
| Stddev | .005071  |
| %RSD   | 22.84547 |
| #1     | -.019452 |
| #2     | -.028050 |
| #3     | -.019091 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2389.819 | 26320.43 | 2728.446 | 1859.068 | 3177.734 |
| Stddev    | 7.362    | 104.32   | 7.346    | 7.352    | 11.624   |
| %RSD      | .3080438 | .3963531 | .2692479 | .3954462 | .3658005 |
| #1        | 2398.211 | 26233.17 | 2724.089 | 1854.570 | 3191.098 |
| #2        | 2386.796 | 26292.16 | 2724.322 | 1855.082 | 3172.138 |
| #3        | 2384.450 | 26435.98 | 2736.928 | 1867.552 | 3169.967 |

Sample Name: P4976-04      Acquired: 12/10/2024 20:45:10      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   | Ba4934   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0595552 | -.012862 | .1649936 | .0037241 | .0084780 | 133.5742 | .6464450 |
| Stddev | .0013137 | .002783  | .0014391 | .0040630 | .0036191 | .3112    | .0026036 |
| %RSD   | 2.205800 | 21.63472 | .8722423 | 109.0998 | 42.68881 | .2329597 | .4027523 |
| #1     | .0607341 | -.011947 | .1658392 | -.000942 | .0092431 | 133.6889 | .6470732 |
| #2     | .0581391 | -.015986 | .1633319 | .006478  | .0116534 | 133.8118 | .6486769 |
| #3     | .0597923 | -.010651 | .1658098 | .005636  | .0045374 | 133.2220 | .6435848 |
| Elem   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   | Cu3247   | Fe2598   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0087626 | .0004256 | 24.06795 | .1754651 | .1756200 | .0973702 | 343.4612 |
| Stddev | .0002949 | .0001143 | .06343   | .0009942 | .0005621 | .0065886 | .8100    |
| %RSD   | 3.365875 | 26.86182 | .2635350 | .5666049 | .3200799 | 6.766574 | .2358318 |
| #1     | .0089668 | .0005192 | 24.09696 | .1753729 | .1759669 | .0899225 | 343.4440 |
| #2     | .0088966 | .0002982 | 24.11168 | .1745202 | .1749714 | .1024390 | 344.2796 |
| #3     | .0084245 | .0004592 | 23.99520 | .1765022 | .1759216 | .0997491 | 342.6599 |
| Elem   | Mn2576   | Mg2790   | Ni2316   | Ag3280   | Na8183   | V_2924   | Zn2138   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 3.106991 | 66.56650 | .5711855 | -.030865 | 2.471857 | .2276233 | .7669109 |
| Stddev | .007209  | .32082   | .0009616 | .000951  | .297516  | .0061928 | .0082112 |
| %RSD   | .2320145 | .4819551 | .1683585 | 3.081384 | 12.03613 | 2.720616 | 1.070680 |
| #1     | 3.114811 | 66.93660 | .5719281 | -.031417 | 2.583937 | .2293990 | .7603705 |
| #2     | 3.100611 | 66.39546 | .5700992 | -.029767 | 2.134580 | .2327343 | .7642364 |
| #3     | 3.105551 | 66.36744 | .5715291 | -.031411 | 2.697055 | .2207367 | .7761259 |
| Elem   | K_7698   | P_1774   | B_2496   | Mo2020   | S_1820   | Si2516   | Sn1899   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 23.75709 | 1.677114 | -.941206 | -.001736 | 67.92133 | 7.230699 | .0194458 |
| Stddev | .20037   | .001686  | .008382  | .000554  | .13428   | .091633  | .0012598 |
| %RSD   | .8434034 | .1005139 | .8905260 | 31.89505 | .1977023 | 1.267278 | 6.478281 |
| #1     | 23.67895 | 1.678819 | -.947947 | -.001491 | 67.96105 | 7.308299 | .0180079 |
| #2     | 23.98475 | 1.677074 | -.943850 | -.001347 | 67.77166 | 7.254191 | .0199742 |
| #3     | 23.60755 | 1.675448 | -.931821 | -.002370 | 68.03127 | 7.129607 | .0203553 |

Sample Name: P4976-04      Acquired: 12/10/2024 20:45:10      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E0      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |
|--------|----------|----------|----------|
| Elem   | Ti3361   | Sr4077   | Li6707   |
| Units  | ppm      | ppm      | ppm      |
| Avg    | .3854474 | -.250539 | .3748664 |
| Stddev | .0038002 | .000891  | .0059157 |
| %RSD   | .9859279 | .3554529 | 1.578072 |
| #1     | .3897381 | -.250400 | .3715342 |
| #2     | .3840983 | -.251491 | .3816966 |
| #3     | .3825057 | -.249727 | .3713685 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2625.149 | 28666.64 | 2830.685 | 2048.886 | 3787.676 |
| Stddev    | 8.840    | 125.02   | 24.099   | 15.062   | 13.757   |
| %RSD      | .3367292 | .4361055 | .8513661 | .7351516 | .3632174 |
| #1        | 2618.312 | 28731.98 | 2807.756 | 2058.377 | 3777.623 |
| #2        | 2635.131 | 28745.45 | 2828.494 | 2056.764 | 3803.355 |
| #3        | 2622.004 | 28522.50 | 2855.805 | 2031.519 | 3782.050 |

Sample Name: P4976-05      Acquired: 12/10/2024 20:48:59      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0231738 | .0085585 | .0442903 | -.040307 | -.016393 | 15.60152 |
| Stddev | .0045685 | .0011535 | .0008619 | .005071  | .002527  | .14251   |
| %RSD   | 19.71402 | 13.47797 | 1.946035 | 12.58071 | 15.41374 | .9134552 |
| #1     | .0232202 | .0092739 | .0441513 | -.034523 | -.014040 | 15.68928 |
| #2     | .0185823 | .0091738 | .0435064 | -.043989 | -.016077 | 15.67821 |
| #3     | .0277189 | .0072278 | .0452133 | -.042409 | -.019064 | 15.43709 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0617103 | .0017077 | .0011326 | F 983.9569 | .0459516 | .0741492 |
| Stddev | .0010347 | .0001178 | .0000697 | 8.0771     | .0006725 | .0002578 |
| %RSD   | 1.676739 | 6.897259 | 6.156013 | .8208774   | 1.463502 | .3476361 |
| #1     | .0607474 | .0017946 | .0010652 | 988.8699   | .0462388 | .0738598 |
| #2     | .0628043 | .0017549 | .0011282 | 988.3660   | .0451833 | .0742334 |
| #3     | .0615792 | .0015737 | .0012044 | 974.6349   | .0464330 | .0743543 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0638916 | 61.08296 | 2.099601 | 226.8406 | .0841808 | -.006507 |
| Stddev | .0079888 | .62660   | .015667  | 1.5279   | .0016660 | .000603  |
| %RSD   | 12.50370 | 1.025825 | .7462063 | .6735608 | 1.979066 | 9.268480 |
| #1     | .0726382 | 61.35292 | 2.110399 | 227.6150 | .0860883 | -.007157 |
| #2     | .0620567 | 61.52934 | 2.106773 | 227.8263 | .0830108 | -.006399 |
| #3     | .0569799 | 60.36663 | 2.081631 | 225.0806 | .0834434 | -.005965 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7365090 | .0727529 | .1506714 | 1.134215 | 1.935237 | -.141823 |
| Stddev | .4410427 | .0049606 | .0096002 | .179244  | .004373  | .001279  |
| %RSD   | 59.88287 | 6.818467 | 6.371604 | 15.80333 | .2259908 | .9015899 |
| #1     | 1.052001 | .0712753 | .1616569 | 1.228378 | 1.935024 | -.140373 |
| #2     | .924981  | .0686990 | .1438932 | 1.246753 | 1.930974 | -.142305 |
| #3     | .232545  | .0782845 | .1464640 | .927514  | 1.939713 | -.142790 |



Sample Name: P4976-05      Acquired: 12/10/2024 20:48:59      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E1      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072441 | 1.209158 | 2.010616 | .0066381 | .5604215 | .7374731 |
| Stddev | .0004930 | .003853  | .018451  | .0012061 | .0058037 | .0050931 |
| %RSD   | 6.806240 | .3186522 | .9176823 | 18.16979 | 1.035591 | .6906179 |
| #1     | .0073687 | 1.204863 | 2.004814 | .0056252 | .5647730 | .7401755 |
| #2     | .0076628 | 1.212311 | 2.031270 | .0079724 | .5626594 | .7406454 |
| #3     | .0067007 | 1.210300 | 1.995763 | .0063169 | .5538320 | .7315983 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.040664 |
| Stddev | .002532  |
| %RSD   | 6.225920 |
| #1     | -.039242 |
| #2     | -.043587 |
| #3     | -.039164 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2422.848 | 26339.39 | 2777.644 | 1857.778 | 3266.961 |
| Stddev    | 4.911    | 119.90   | 26.670   | 18.968   | 4.505    |
| %RSD      | .2027130 | .4552115 | .9601734 | 1.021017 | .1378810 |
| #1        | 2427.009 | 26201.02 | 2766.754 | 1836.089 | 3269.171 |
| #2        | 2424.105 | 26404.54 | 2758.142 | 1865.982 | 3269.934 |
| #3        | 2417.430 | 26412.62 | 2808.036 | 1871.264 | 3261.778 |

Sample Name: P4976-06      Acquired: 12/10/2024 20:52:52      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0168328 | .0095613 | .0376529 | -.038467 | -.017561 | 14.37466 |
| Stddev | .0009474 | .0010534 | .0035553 | .006161  | .004045  | .06456   |
| %RSD   | 5.628591 | 11.01720 | 9.442189 | 16.01680 | 23.03625 | .4490963 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0178334 | .0104849 | .0339127 | -.033900 | -.022199 | 14.34337 |
| #2 | .0167157 | .0084141 | .0380574 | -.045475 | -.015716 | 14.44890 |
| #3 | .0159494 | .0097849 | .0409886 | -.036027 | -.014766 | 14.33170 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0567190 | .0017080 | .0012056 | F 1437.216 | .0388602 | .0742087 |
| Stddev | .0004497 | .0000999 | .0001480 | 6.788      | .0007247 | .0004150 |
| %RSD   | .7927882 | 5.850095 | 12.27943 | .4722947   | 1.864925 | .5592315 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0567477 | .0017379 | .0012102 | 1435.573 | .0396399 | .0737297 |
| #2 | .0562556 | .0015965 | .0010553 | 1444.674 | .0382072 | .0744624 |
| #3 | .0571535 | .0017895 | .0013513 | 1431.400 | .0387334 | .0744338 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0698094 | 58.04696 | 2.276348 | 485.5091 | .0766543 | -.004590 |
| Stddev | .0056204 | .17702   | .011046  | 2.5376   | .0006634 | .000991  |
| %RSD   | 8.051129 | .3049681 | .4852507 | .5226628 | .8654814 | 21.59749 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .0696085 | 58.04902 | 2.271543 | 484.5326 | .0765668 | -.005722 |
| #2 | .0642920 | 58.22294 | 2.288982 | 488.3898 | .0760389 | -.004171 |
| #3 | .0755275 | 57.86891 | 2.268517 | 483.6048 | .0773571 | -.003877 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .5516689 | .0731065 | .1472358 | 1.077381 | 1.924709 | -.124873 |
| Stddev | .3176463 | .0026662 | .0103521 | .069117  | .011797  | .001753  |
| %RSD   | 57.57916 | 3.647066 | 7.030990 | 6.415301 | .6128988 | 1.403612 |

|    |          |          |          |          |          |          |
|----|----------|----------|----------|----------|----------|----------|
| #1 | .8827792 | .0702453 | .1359318 | 1.061391 | 1.914076 | -.126830 |
| #2 | .2494621 | .0755215 | .1562540 | 1.017661 | 1.922652 | -.124343 |
| #3 | .5227653 | .0735527 | .1495216 | 1.153092 | 1.937399 | -.123447 |

Sample Name: P4976-06      Acquired: 12/10/2024 20:52:52      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E2      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0050264 | 1.633368 | 2.028463 | .0048762 | .4779059 | .9548931 |
| Stddev | .0003253 | .009800  | .008663  | .0007715 | .0071544 | .0043823 |
| %RSD   | 6.471034 | .5999956 | .4270929 | 15.82123 | 1.497021 | .4589313 |
| #1     | .0053818 | 1.623250 | 2.038463 | .0043827 | .4802184 | .9534281 |
| #2     | .0047437 | 1.634036 | 2.023684 | .0057652 | .4836179 | .9598202 |
| #3     | .0049536 | 1.642816 | 2.023242 | .0044807 | .4698813 | .9514309 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.035253 |
| Stddev | .000970  |
| %RSD   | 2.752857 |
| #1     | -.035744 |
| #2     | -.034135 |
| #3     | -.035879 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2350.933 | 25820.54 | 2744.784 | 1822.302 | 3082.877 |
| Stddev    | 9.928    | 83.25    | 16.911   | 12.443   | 11.057   |
| %RSD      | .4222942 | .3224043 | .6161107 | .6828384 | .3586620 |
| #1        | 2355.485 | 25811.34 | 2741.882 | 1822.153 | 3092.627 |
| #2        | 2357.768 | 25742.28 | 2729.512 | 1809.934 | 3085.141 |
| #3        | 2339.545 | 25908.01 | 2762.958 | 1834.820 | 3070.864 |

Sample Name: P4976-07      Acquired: 12/10/2024 20:56:45      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0112640 | .0135791 | .0334448 | -.042944 | -.019242 | 13.41952 |
| Stddev | .0015992 | .0020323 | .0012495 | .003144  | .002331  | .21538   |
| %RSD   | 14.19761 | 14.96628 | 3.736038 | 7.322263 | 12.11528 | 1.604964 |
| #1     | .0129602 | .0113748 | .0320216 | -.039520 | -.018039 | 13.61824 |
| #2     | .0110481 | .0153784 | .0343615 | -.045703 | -.021929 | 13.44967 |
| #3     | .0097837 | .0139842 | .0339515 | -.043609 | -.017759 | 13.19066 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0603826 | .0014020 | .0010906 | F 1381.264 | .0399794 | .0687039 |
| Stddev | .0025564 | .0000657 | .0000514 | 20.443     | .0002497 | .0013575 |
| %RSD   | 4.233627 | 4.686099 | 4.717283 | 1.480051   | .6246026 | 1.975838 |
| #1     | .0605516 | .0013907 | .0011270 | 1399.110   | .0402369 | .0688288 |
| #2     | .0628503 | .0014726 | .0010317 | 1385.723   | .0397383 | .0699946 |
| #3     | .0577459 | .0013427 | .0011131 | 1358.959   | .0399631 | .0672883 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0518302 | 59.43081 | 2.633460 | 320.9699 | .0653152 | -.005693 |
| Stddev | .0076288 | .88352   | .045025  | 4.0846   | .0005345 | .001059  |
| %RSD   | 14.71878 | 1.486634 | 1.709709 | 1.272571 | .8182607 | 18.60527 |
| #1     | .0507495 | 60.18945 | 2.679199 | 324.7110 | .0647681 | -.004547 |
| #2     | .0447995 | 59.64221 | 2.631996 | 321.5868 | .0658361 | -.006636 |
| #3     | .0599418 | 58.46077 | 2.589186 | 316.6120 | .0653414 | -.005896 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .4064724 | .0649405 | .1222305 | -.053085 | 2.057526 | -.136996 |
| Stddev | .6496633 | .0057130 | .0032016 | .036973  | .027398  | .004371  |
| %RSD   | 159.8296 | 8.797240 | 2.619288 | 69.64894 | 1.331607 | 3.190897 |
| #1     | -.341570 | .0688997 | .1185350 | -.090498 | 2.049171 | -.141640 |
| #2     | .731638  | .0675305 | .1239920 | -.016568 | 2.088129 | -.136386 |
| #3     | .829349  | .0583912 | .1241646 | -.052188 | 2.035277 | -.132961 |

Sample Name: P4976-07      Acquired: 12/10/2024 20:56:45      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E3      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0034468 | 1.939063 | 1.894734 | .0071339 | .5480340 | .8545525 |
| Stddev | .0006100 | .023829  | .035324  | .0006951 | .0064253 | .0121774 |
| %RSD   | 17.69600 | 1.228903 | 1.864313 | 9.743865 | 1.172422 | 1.425002 |
| #1     | .0038228 | 1.933951 | 1.933547 | .0078386 | .5543752 | .8662422 |
| #2     | .0037746 | 1.965034 | 1.886187 | .0071143 | .5481992 | .8554755 |
| #3     | .0027430 | 1.918205 | 1.864468 | .0064488 | .5415278 | .8419399 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.043972 |
| Stddev | .003514  |
| %RSD   | 7.990861 |
| #1     | -.046986 |
| #2     | -.040113 |
| #3     | -.044819 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2375.666 | 26057.99 | 2757.273 | 1848.066 | 3147.784 |
| Stddev    | 34.006   | 117.27   | 42.789   | 8.156    | 50.930   |
| %RSD      | 1.431440 | .4500451 | 1.551843 | .4413509 | 1.617965 |
| #1        | 2385.336 | 26182.95 | 2717.607 | 1856.755 | 3163.555 |
| #2        | 2337.871 | 25950.33 | 2751.594 | 1846.870 | 3090.835 |
| #3        | 2403.789 | 26040.68 | 2802.617 | 1840.574 | 3188.964 |

Sample Name: P4976-08      Acquired: 12/10/2024 21:00:38      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .1358245 | .0113222 | .0347980 | -.036397 | -.016872 | 18.99390 |
| Stddev | .0016859 | .0029733 | .0039387 | .003459  | .002062  | .05237   |
| %RSD   | 1.241241 | 26.26114 | 11.31870 | 9.503091 | 12.22285 | .2757053 |
| #1     | .1375753 | .0137679 | .0346755 | -.039786 | -.015802 | 19.03400 |
| #2     | .1342120 | .0121859 | .0387966 | -.036531 | -.019250 | 19.01304 |
| #3     | .1356862 | .0080126 | .0309221 | -.032873 | -.015565 | 18.93465 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0857347 | .0016194 | .0010054 | F 1215.966 | .0507979 | .0781615 |
| Stddev | .0017064 | .0000690 | .0000381 | 2.190      | .0009220 | .0012554 |
| %RSD   | 1.990285 | 4.259869 | 3.787989 | .1801207   | 1.815011 | 1.606141 |
| #1     | .0865318 | .0016838 | .0010480 | 1218.251   | .0497379 | .0795680 |
| #2     | .0837756 | .0015466 | .0009938 | 1215.764   | .0512423 | .0777620 |
| #3     | .0868967 | .0016276 | .0009745 | 1213.884   | .0514134 | .0771544 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0660984 | 61.97881 | 2.601331 | 184.0246 | .0904830 | -.005386 |
| Stddev | .0020288 | .08107   | .005933  | .4398    | .0016450 | .000561  |
| %RSD   | 3.069425 | .1308081 | .2280746 | .2390129 | 1.817979 | 10.41654 |
| #1     | .0682368 | 61.96003 | 2.608129 | 184.5143 | .0922539 | -.005765 |
| #2     | .0642006 | 62.06762 | 2.597201 | 183.8965 | .0901927 | -.004742 |
| #3     | .0658578 | 61.90877 | 2.598662 | 183.6630 | .0890026 | -.005652 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .7203467 | .0666032 | .1702331 | .5330554 | 1.833531 | -.155673 |
| Stddev | .6240615 | .0115558 | .0068972 | .0545333 | .011531  | .000841  |
| %RSD   | 86.63348 | 17.35027 | 4.051614 | 10.23033 | .6288736 | .5400899 |
| #1     | .5093989 | .0640171 | .1760799 | .5651617 | 1.846732 | -.155022 |
| #2     | .2290975 | .0792330 | .1719928 | .4700899 | 1.828431 | -.156622 |
| #3     | 1.422544 | .0565596 | .1626265 | .5639146 | 1.825429 | -.155375 |

Sample Name: P4976-08      Acquired: 12/10/2024 21:00:38      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E4      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0130228 | 14.34935 | 2.242661 | .0048503 | .7133570 | 1.065706 |
| Stddev | .0002191 | .12063   | .018418  | .0022609 | .0016954 | .001629  |
| %RSD   | 1.682195 | .8406862 | .8212715 | 46.61344 | .2376671 | .1528418 |
| #1     | .0132579 | 14.48831 | 2.222106 | .0045945 | .7118134 | 1.067239 |
| #2     | .0129860 | 14.28830 | 2.248209 | .0072282 | .7130860 | 1.065885 |
| #3     | .0128244 | 14.27146 | 2.257667 | .0027282 | .7151716 | 1.063995 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.038324 |
| Stddev | .002852  |
| %RSD   | 7.442828 |
| #1     | -.041524 |
| #2     | -.036050 |
| #3     | -.037398 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2425.875 | 26706.89 | 2777.723 | 1896.895 | 3246.817 |
| Stddev    | 18.283   | 26.75    | 6.461    | 7.068    | 28.448   |
| %RSD      | .7536864 | .1001605 | .2325832 | .3726075 | .8761780 |
| #1        | 2405.140 | 26723.68 | 2782.655 | 1895.439 | 3214.253 |
| #2        | 2432.802 | 26720.95 | 2780.104 | 1904.578 | 3259.359 |
| #3        | 2439.682 | 26676.04 | 2770.410 | 1890.669 | 3266.838 |

Sample Name: P4976-11      Acquired: 12/10/2024 21:04:28      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960     | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0069962 | .0096515 | .0385048 | -.043969   | -.021648 | 15.60653 |
| Stddev | .0033697 | .0021511 | .0037445 | .004110    | .001339  | .06513   |
| %RSD   | 48.16475 | 22.28823 | 9.724757 | 9.347576   | 6.184238 | .4173037 |
| #1     | .0038377 | .0113559 | .0416881 | -.039563   | -.023124 | 15.55103 |
| #2     | .0105434 | .0072345 | .0394472 | -.047699   | -.020514 | 15.67823 |
| #3     | .0066076 | .0103640 | .0343791 | -.044644   | -.021305 | 15.59034 |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0851962 | .0014507 | .0013582 | F 1474.637 | .0446644 | .0721511 |
| Stddev | .0013018 | .0000713 | .0000114 | 5.808      | .0005654 | .0006876 |
| %RSD   | 1.527977 | 4.913486 | .8409033 | .3938261   | 1.265911 | .9529798 |
| #1     | .0856439 | .0014512 | .0013514 | 1473.735   | .0443774 | .0713990 |
| #2     | .0837297 | .0013791 | .0013518 | 1480.842   | .0443001 | .0727475 |
| #3     | .0862150 | .0015217 | .0013714 | 1469.333   | .0453158 | .0723068 |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0606201 | 66.02459 | 4.650221 | 440.4382   | .0735783 | -.006476 |
| Stddev | .0065447 | .13969   | .020045  | 2.3929     | .0004012 | .001574  |
| %RSD   | 10.79629 | .2115778 | .4310564 | .5433096   | .5453302 | 24.30512 |
| #1     | .0578405 | 66.00468 | 4.643145 | 440.1471   | .0739310 | -.004692 |
| #2     | .0680958 | 66.17316 | 4.672844 | 442.9633   | .0736621 | -.007670 |
| #3     | .0559239 | 65.89591 | 4.634673 | 438.2041   | .0731418 | -.007067 |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698     | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .3657178 | .0685909 | .1254588 | .4159255   | 2.057990 | -.147742 |
| Stddev | .3983395 | .0031210 | .0079109 | .0315179   | .005822  | .002605  |
| %RSD   | 108.9199 | 4.550179 | 6.305605 | 7.577780   | .2828843 | 1.762972 |
| #1     | .0294704 | .0716905 | .1235846 | .4101298   | 2.061996 | -.149291 |
| #2     | .8056459 | .0654489 | .1186533 | .4499391   | 2.060663 | -.149200 |
| #3     | .2620370 | .0686334 | .1341386 | .3877077   | 2.051312 | -.144735 |



Sample Name: P4976-11      Acquired: 12/10/2024 21:04:28      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E5      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0073923 | 3.804718 | 2.237566 | .0048674 | .3775141 | .9219702 |
| Stddev | .0000499 | .003105  | .017792  | .0004665 | .0043057 | .0050461 |
| %RSD   | .6756069 | .0816162 | .7951544 | 9.583242 | 1.140550 | .5473187 |
| #1     | .0074218 | 3.801451 | 2.220654 | .0044665 | .3759185 | .9193711 |
| #2     | .0073346 | 3.807631 | 2.256124 | .0053794 | .3823899 | .9277860 |
| #3     | .0074204 | 3.805073 | 2.235920 | .0047564 | .3742340 | .9187534 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.029317 |
| Stddev | .004184  |
| %RSD   | 14.27331 |
| #1     | -.033522 |
| #2     | -.025153 |
| #3     | -.029275 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2353.203 | 25828.25 | 2738.274 | 1817.707 | 3052.663 |
| Stddev    | 8.500    | 144.98   | 12.060   | 8.485    | 6.778    |
| %RSD      | .3612108 | .5613415 | .4404121 | .4667942 | .2220235 |
| #1        | 2343.706 | 25663.94 | 2747.934 | 1807.942 | 3044.838 |
| #2        | 2360.099 | 25938.17 | 2724.758 | 1821.891 | 3056.446 |
| #3        | 2355.804 | 25882.65 | 2742.129 | 1823.286 | 3056.704 |

Sample Name: P4976-12      Acquired: 12/10/2024 21:08:19      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960     | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0264445 | .0060403 | .0480874 | -.035439   | -.012810 | 21.91365 |
| Stddev | .0042766 | .0002609 | .0033537 | .005994    | .001671  | .02586   |
| %RSD   | 16.17194 | 4.319559 | 6.974206 | 16.91367   | 13.04445 | .1180163 |
| #1     | .0227426 | .0058444 | .0472637 | -.037975   | -.011735 | 21.88715 |
| #2     | .0311258 | .0059400 | .0517763 | -.039749   | -.011960 | 21.91499 |
| #3     | .0254651 | .0063365 | .0452224 | -.028594   | -.014735 | 21.93882 |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0852183 | .0024766 | .0015705 | F 1156.238 | .0769794 | .0837465 |
| Stddev | .0009068 | .0000675 | .0001238 | 2.923      | .0003453 | .0004125 |
| %RSD   | 1.064107 | 2.723718 | 7.884857 | .2528164   | .4485977 | .4925473 |
| #1     | .0847103 | .0025336 | .0015038 | 1155.238   | .0765837 | .0838234 |
| #2     | .0846793 | .0024942 | .0014943 | 1153.946   | .0772195 | .0833009 |
| #3     | .0862652 | .0024021 | .0017134 | 1159.530   | .0771351 | .0841151 |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790     | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0731838 | 93.44275 | 2.479705 | 257.4942   | .1213341 | -.009479 |
| Stddev | .0050807 | .19629   | .015288  | .9935      | .0008902 | .000327  |
| %RSD   | 6.942411 | .2100647 | .6165105 | .3858161   | .7336823 | 3.450129 |
| #1     | .0688134 | 93.41574 | 2.475649 | 257.4198   | .1204394 | -.009289 |
| #2     | .0719794 | 93.26136 | 2.466855 | 256.5400   | .1213432 | -.009857 |
| #3     | .0787584 | 93.65115 | 2.496612 | 258.5227   | .1222197 | -.009292 |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698     | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0558253 | .0831433 | .2160494 | .9596907   | 2.951225 | -.230083 |
| Stddev | .0731430 | .0064663 | .0030402 | .0777697   | .011330  | .002225  |
| %RSD   | 131.0211 | 7.777298 | 1.407176 | 8.103625   | .3838997 | .9670621 |
| #1     | .0079753 | .0900211 | .2195577 | .8713507   | 2.959718 | -.231990 |
| #2     | .1400220 | .0771875 | .2141876 | 1.017831   | 2.938361 | -.227639 |
| #3     | .0194787 | .0822213 | .2144028 | .989891    | 2.955597 | -.230620 |

Sample Name: P4976-12      Acquired: 12/10/2024 21:08:19      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E6      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0072592 | 1.342128 | 2.370030 | .0063793 | .8438135 | .7465704 |
| Stddev | .0003603 | .004902  | .008075  | .0003986 | .0058034 | .0036449 |
| %RSD   | 4.962738 | .3652415 | .3407088 | 6.247802 | .6877544 | .4882190 |
| #1     | .0076747 | 1.337052 | 2.377884 | .0068157 | .8410539 | .7449609 |
| #2     | .0070331 | 1.342499 | 2.361751 | .0062876 | .8399049 | .7440073 |
| #3     | .0070699 | 1.346835 | 2.370456 | .0060346 | .8504818 | .7507430 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.039150 |
| Stddev | .000717  |
| %RSD   | 1.831701 |
| #1     | -.039841 |
| #2     | -.038409 |
| #3     | -.039199 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2400.713 | 26336.37 | 2760.339 | 1864.287 | 3190.523 |
| Stddev    | 7.539    | 42.99    | 11.485   | 11.876   | 8.735    |
| %RSD      | .3140392 | .1632262 | .4160808 | .6370320 | .2737929 |
| #1        | 2401.162 | 26286.74 | 2753.531 | 1862.587 | 3193.209 |
| #2        | 2408.018 | 26361.90 | 2773.599 | 1853.353 | 3197.601 |
| #3        | 2392.960 | 26360.47 | 2753.885 | 1876.922 | 3180.761 |

Sample Name: P4976-13      Acquired: 12/10/2024 21:12:11      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0135722 | .0114729 | .0360920 | -.034159 | -.017425 | 13.12641 |
| Stddev | .0038429 | .0019159 | .0014081 | .002976  | .000387  | .03526   |
| %RSD   | 28.31440 | 16.69952 | 3.901352 | 8.711262 | 2.218942 | .2686405 |
| #1     | .0117338 | .0119644 | .0345274 | -.034239 | -.017265 | 13.13919 |
| #2     | .0179890 | .0130953 | .0372573 | -.037095 | -.017865 | 13.08654 |
| #3     | .0109938 | .0093592 | .0364913 | -.031145 | -.017143 | 13.15351 |

|        |          |          |          |            |          |          |
|--------|----------|----------|----------|------------|----------|----------|
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736     | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm        | ppm      | ppm      |
| Avg    | .0610181 | .0013979 | .0008809 | F 1014.373 | .0353406 | .0637052 |
| Stddev | .0006383 | .0000316 | .0000638 | 1.488      | .0003302 | .0002809 |
| %RSD   | 1.046157 | 2.262497 | 7.244923 | .1466691   | .9342691 | .4409791 |
| #1     | .0610531 | .0013650 | .0008518 | 1014.241   | .0349594 | .0633819 |
| #2     | .0603630 | .0014005 | .0008368 | 1012.955   | .0355303 | .0638431 |
| #3     | .0616382 | .0014281 | .0009541 | 1015.922   | .0355322 | .0638905 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0681599 | 51.68665 | 3.031032 | 270.3709 | .0651192 | -.004915 |
| Stddev | .0092931 | .11036   | .005542  | .7198    | .0003819 | .000811  |
| %RSD   | 13.63422 | .2135170 | .1828580 | .2662117 | .5864056 | 16.49131 |
| #1     | .0787455 | 51.55965 | 3.030229 | 269.9410 | .0651574 | -.005709 |
| #2     | .0613438 | 51.74106 | 3.036932 | 269.9699 | .0654805 | -.004947 |
| #3     | .0643904 | 51.75924 | 3.025934 | 271.2019 | .0647197 | -.004089 |

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .2423279 | .0471642 | .1336087 | .5265529 | 1.624806 | -.105994 |
| Stddev | .4756045 | .0146164 | .0005771 | .0752503 | .003429  | .002390  |
| %RSD   | 196.2649 | 30.99045 | .4319083 | 14.29112 | .2110315 | 2.255159 |
| #1     | .7531603 | .0476379 | .1340287 | .6018937 | 1.621030 | -.107747 |
| #2     | .1615178 | .0615380 | .1329507 | .5263715 | 1.627725 | -.103271 |
| #3     | -.187694 | .0323167 | .1338468 | .4513934 | 1.625664 | -.106963 |

Sample Name: P4976-13      Acquired: 12/10/2024 21:12:11      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: ME29E7      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0034297 | 1.203187 | 1.940538 | .0049995 | .3657524 | .8108655 |
| Stddev | .0002181 | .010268  | .009029  | .0016487 | .0031353 | .0014857 |
| %RSD   | 6.358640 | .8534194 | .4652574 | 32.97787 | .8572078 | .1832276 |
| #1     | .0035941 | 1.209744 | 1.930143 | .0048844 | .3624328 | .8111308 |
| #2     | .0035128 | 1.191353 | 1.945054 | .0034113 | .3661609 | .8092650 |
| #3     | .0031823 | 1.208464 | 1.946417 | .0067027 | .3686633 | .8122008 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | -.041351 |
| Stddev | .005022  |
| %RSD   | 12.14579 |
| #1     | -.046138 |
| #2     | -.036123 |
| #3     | -.041791 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2403.401 | 26283.37 | 2749.845 | 1853.099 | 3203.762 |
| Stddev    | 8.908    | 51.69    | 8.008    | 5.997    | 12.765   |
| %RSD      | .3706493 | .1966586 | .2912074 | .3236061 | .3984460 |
| #1        | 2401.428 | 26335.71 | 2757.605 | 1860.015 | 3202.822 |
| #2        | 2413.130 | 26282.02 | 2750.320 | 1849.940 | 3216.972 |
| #3        | 2395.644 | 26232.36 | 2741.611 | 1849.342 | 3191.494 |

Sample Name: CCV092      Acquired: 12/10/2024 21:29:13      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV092      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |            |
|--------|----------|----------|----------|----------|----------|------------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 4.879418 | 4.886209 | 24.78820 | 4.766514 | 4.830627 | 399.9370   |
| Stddev | .008378  | .010686  | .07993   | .017513  | .015866  | 2.8888     |
| %RSD   | .1717089 | .2186934 | .3224379 | .3674145 | .3284505 | .7223031   |
| #1     | 4.881389 | 4.897975 | 24.88024 | 4.785956 | 4.848768 | 400.4971   |
| #2     | 4.870230 | 4.883545 | 24.74813 | 4.751975 | 4.823776 | 396.8092   |
| #3     | 4.886635 | 4.877108 | 24.73624 | 4.761612 | 4.819338 | 402.5047   |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 10.04996 | .5022142 | 2.495116 | 406.5919 | 15.57759 | 2.518021   |
| Stddev | .07194   | .0033573 | .006968  | 2.8353   | .08926   | .008998    |
| %RSD   | .7157991 | .6685062 | .2792581 | .6973209 | .5729729 | .3573440   |
| #1     | 10.05572 | .4990128 | 2.503109 | 407.7135 | 15.67453 | 2.528400   |
| #2     | 9.97531  | .5019215 | 2.491914 | 403.3675 | 15.55941 | 2.513261   |
| #3     | 10.11884 | .5057083 | 2.490324 | 408.6948 | 15.49882 | 2.512404   |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 15.01912 | 407.3727 | 14.77285 | 404.0890 | 2.512688 | 1.254610   |
| Stddev | .13887   | 2.4641   | .14978   | 3.8636   | .006844  | .003484    |
| %RSD   | .9246024 | .6048855 | 1.013875 | .9561359 | .2723632 | .2777331   |
| #1     | 15.07204 | 408.1400 | 14.83783 | 405.8764 | 2.519887 | 1.256532   |
| #2     | 14.86157 | 404.6163 | 14.60156 | 399.6553 | 2.511913 | 1.256710   |
| #3     | 15.12374 | 409.3620 | 14.87916 | 406.7353 | 2.506266 | 1.250588   |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496     |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm        |
| Avg    | 395.7092 | 2.521186 | 14.01692 | 152.5307 | 5.000856 | F 4.121511 |
| Stddev | 4.1264   | .025617  | .13086   | .8961    | .012060  | .020222    |
| %RSD   | 1.042788 | 1.016075 | .9335898 | .5874645 | .2411512 | .4906510   |
| #1     | 396.9942 | 2.528513 | 14.14744 | 152.8304 | 5.012171 | 4.120988   |
| #2     | 391.0932 | 2.492704 | 14.01760 | 151.5232 | 4.988169 | 4.101555   |
| #3     | 399.0402 | 2.542342 | 13.88572 | 153.2386 | 5.002226 | 4.141989   |

Sample Name: CCV092      Acquired: 12/10/2024 21:29:13      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCV092      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | 4.821697 | 5.012847 | 4.880459 | 5.009845 | 4.981501 | 4.811191 |
| Stddev | .012229  | .022062  | .034952  | .013281  | .042940  | .045478  |
| %RSD   | .2536317 | .4401121 | .7161590 | .2651053 | .8619841 | .9452515 |
| #1     | 4.835387 | 5.030990 | 4.863980 | 5.024210 | 5.001997 | 4.838797 |
| #2     | 4.817849 | 4.988288 | 4.856794 | 5.007313 | 4.932153 | 4.758701 |
| #3     | 4.811854 | 5.019264 | 4.920604 | 4.998012 | 5.010352 | 4.836074 |

|        |          |
|--------|----------|
| Elem   | Li6707   |
| Units  | ppm      |
| Avg    | 5.029089 |
| Stddev | .038250  |
| %RSD   | .7605722 |
| #1     | 5.019788 |
| #2     | 4.996347 |
| #3     | 5.071131 |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2089.666 | 24094.40 | 2590.633 | 1596.553 | 3087.046 |
| Stddev    | 7.703    | 204.66   | 14.471   | 13.949   | 10.238   |
| %RSD      | .3686022 | .8494080 | .5585958 | .8737148 | .3316339 |
| #1        | 2085.251 | 23864.81 | 2591.104 | 1583.856 | 3082.079 |
| #2        | 2085.188 | 24160.68 | 2604.863 | 1594.318 | 3080.240 |
| #3        | 2098.561 | 24257.70 | 2575.932 | 1611.485 | 3098.820 |

Sample Name: CCB092      Acquired: 12/10/2024 21:52:51      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB092      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | As1890   | Tl1908   | Pb2203   | Se1960   | Sb2068   | Al3961   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.003212 | .0027546 | -.002099 | .0032934 | .0021074 | -.016136 |
| Stddev | .002867  | .0024373 | .000543  | .0019345 | .0032290 | .018915  |
| %RSD   | 89.25116 | 88.48201 | 25.86793 | 58.73720 | 153.2199 | 117.2194 |
| #1     | -.000253 | .0029035 | -.002377 | .0051291 | .0018079 | -.000918 |
| #2     | -.005978 | .0051140 | -.002447 | .0012734 | .0054757 | -.037313 |
| #3     | -.003406 | .0002462 | -.001474 | .0034778 | -.000961 | -.010178 |
| Elem   | Ba4934   | Be2348   | Cd2144   | Ca3736   | Cr2677   | Co2286   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.004107 | -.000058 | .0001386 | .0563196 | -.000177 | .0001308 |
| Stddev | .000985  | .000049  | .0001198 | .0220233 | .000537  | .0001455 |
| %RSD   | 23.97957 | 85.57410 | 86.39963 | 39.10415 | 304.1686 | 111.2531 |
| #1     | -.004974 | -.000111 | .0002680 | .0588489 | .000088  | .0001157 |
| #2     | -.004312 | -.000048 | .0001164 | .0769690 | .000177  | .0002832 |
| #3     | -.003036 | -.000014 | .0000315 | .0331408 | -.000795 | -.000007 |
| Elem   | Cu3247   | Fe2598   | Mn2576   | Mg2790   | Ni2316   | Ag3280   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | .0092966 | .0363111 | .0003903 | -.075663 | -.000206 | -.000008 |
| Stddev | .0072025 | .0414170 | .0009959 | .054971  | .000270  | .000741  |
| %RSD   | 77.47445 | 114.0614 | 255.1971 | 72.65298 | 131.4795 | 8874.716 |
| #1     | .0162977 | .0744459 | -.000756 | -.128812 | -.000274 | .000670  |
| #2     | .0096836 | .0422372 | .001043  | -.019035 | -.000435 | -.000800 |
| #3     | .0019084 | -.007750 | .000884  | -.079141 | .000092  | .000105  |
| Elem   | Na8183   | V_2924   | Zn2138   | K_7698   | P_1774   | B_2496   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.543347 | -.002242 | -.002356 | -.579886 | -.001145 | -.003897 |
| Stddev | .312209  | .002492  | .001543  | .157873  | .000883  | .000792  |
| %RSD   | 57.46030 | 111.1294 | 65.50244 | 27.22480 | 77.12518 | 20.32217 |
| #1     | -.344807 | -.004201 | -.002977 | -.761882 | -.000918 | -.004742 |
| #2     | -.903214 | -.003088 | -.000599 | -.479839 | -.000397 | -.003775 |
| #3     | -.382020 | .000562  | -.003493 | -.497937 | -.002119 | -.003173 |



Sample Name: CCB092      Acquired: 12/10/2024 21:52:51      Type: Unk  
Method: SFAM01.1 INSTRUMENT P5 WITH 6 POINT ICAL-2(v6)      Mode: CONC      Corr. Factor: 1.000000  
User: Kareem      Custom ID1: CCB092      Custom ID2:      Custom ID3:  
Comment:

|        |          |          |          |          |          |          |
|--------|----------|----------|----------|----------|----------|----------|
| Elem   | Mo2020   | S_1820   | Si2516   | Sn1899   | Ti3361   | Sr4077   |
| Units  | ppm      | ppm      | ppm      | ppm      | ppm      | ppm      |
| Avg    | -.000363 | -.000352 | -.000779 | -.000587 | .0065895 | -.000047 |
| Stddev | .000233  | .002363  | .000715  | .000702  | .0004258 | .000172  |
| %RSD   | 64.16916 | 671.7564 | 91.75610 | 119.6137 | 6.462517 | 363.6648 |
| #1     | -.000402 | -.001300 | -.000472 | -.000299 | .0067231 | -.000146 |
| #2     | -.000113 | -.002093 | -.000269 | -.001388 | .0069324 | -.000148 |
| #3     | -.000574 | .002338  | -.001596 | -.000075 | .0061128 | .000151  |

|        |            |
|--------|------------|
| Elem   | Li6707     |
| Units  | ppm        |
| Avg    | F -.075180 |
| Stddev | .003613    |
| %RSD   | 4.806227   |
| #1     | -.076767   |
| #2     | -.071045   |
| #3     | -.077728   |

|           |          |          |          |          |          |
|-----------|----------|----------|----------|----------|----------|
| Int. Std. | Y_2243   | Y_3600   | Y_3710   | Y_2243   | In2306   |
| Units     | Cts/S    | Cts/S    | Cts/S    | Cts/S    | Cts/S    |
| Avg       | 2500.478 | 27816.91 | 2695.736 | 1970.069 | 3910.438 |
| Stddev    | 2.021    | 78.36    | 6.635    | 9.206    | 8.255    |
| %RSD      | .0808308 | .2816989 | .2461464 | .4673120 | .2111134 |
| #1        | 2498.475 | 27851.95 | 2691.710 | 1966.582 | 3901.693 |
| #2        | 2502.517 | 27871.63 | 2692.103 | 1980.510 | 3918.096 |
| #3        | 2500.443 | 27727.14 | 2703.394 | 1963.116 | 3911.525 |