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| **Area 3** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| Image00002.jpg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |
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|  |  | Image00003.jpg | | | | | | | | | | | | | | | | | | | | | | | | | |  | Image00004.jpg | | | | | | | | | | | | | | | | |  | Image00005.jpg | | | | | | | | | | | | |  |  |  |
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|  |  | Image00006.jpg | | | | | | | | | | | | | | | | | | | | | | | | | |  | Image | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| **EDAX TEAM** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  | | | | | | | | | | | | | *Page* | | | | | | *2* | |  |  |  |
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| Image00007.jpg | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |
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|  |  | Image00008.jpg | | | | | | | | | | | | | | | | | | | | | | | | | |  | Image00009.jpg | | | | | | | | | | | | | | | |  |  |  | | | | | | | | | | | | |  |  |  |
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|  |  | Image00010.jpg | | | | | | | | | | | | | | | | | | | | | | | | | |  | O K\_ROI (52) | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | Image00011.jpg | | | | | | | | | | | | | | | | | | | | | | | | | |  | SiK\_ROI (109) | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | Image00012.jpg | | | | | | | | | | | | | | | | | | | | | | | | | |  | CaK\_ROI (50) | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  | Image00013.jpg | | | | | | | | | | | | | | | | | | | | | | | | | |  | CuK\_ROI (66) | | | | | | | | | | | | | | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  | kV: | | |  | 20 |  |  | Mag: | | | | 47 | | | Takeoff: | | | | |  | 35.6 | | Live Time(s): | | | | | | | |  | 252.3 | |  | Amp Time(µs): | | | | | | |  | 1.92 | | | | Resolution:(eV) | | | | | | | |  |  | 128 | | | | | |
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|  |  |  | **eZAF Smart Quant Results** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | O K | | | 41.78 | | | | 63.00 | | | 4206.80 | | | | | | 8.78 | | | | | 0.1022 | | | | | 1.0907 | | | | 0.2243 | | | | | | | | | 1.0000 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | SiK | | | 23.22 | | | | 19.95 | | | 8684.60 | | | | | | 4.49 | | | | | 0.1532 | | | | | 0.9965 | | | | 0.6590 | | | | | | | | | 1.0046 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CaK | | | 16.93 | | | | 10.19 | | | 4163.20 | | | | | | 1.95 | | | | | 0.1523 | | | | | 0.9433 | | | | 0.9378 | | | | | | | | | 1.0172 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CuK | | | 18.06 | | | | 6.86 | | | 1595.10 | | | | | | 2.03 | | | | | 0.1510 | | | | | 0.8082 | | | | 0.9995 | | | | | | | | | 1.0347 | | | | |  | |  |  |  |  |  |  |  |
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|  |  | **EDAX TEAM** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | | | | | | | | | | | *Page* | | | | | | *5* | |  |  |  |
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|  | kV: | | |  | 20 |  |  | Mag: | | | | 47 | | | Takeoff: | | | | |  | 35.6 | | Live Time(s): | | | | | | | |  | 42.9 | |  | Amp Time(µs): | | | | | | |  | 1.92 | | | | Resolution:(eV) | | | | | | | |  |  | 128 | | | | | |
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|  |  |  | **eZAF Smart Quant Results** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | O K | | | 86.93 | | | | 92.94 | | | 2466.30 | | | | | | 4.76 | | | | | 0.5887 | | | | | 1.0145 | | | | 0.6676 | | | | | | | | | 1.0000 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | SiK | | | 9.74 | | | | 5.93 | | | 377.40 | | | | | | 8.62 | | | | | 0.0654 | | | | | 0.9217 | | | | 0.7269 | | | | | | | | | 1.0028 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CaK | | | 1.47 | | | | 0.63 | | | 36.00 | | | | | | 20.86 | | | | | 0.0130 | | | | | 0.8695 | | | | 0.9901 | | | | | | | | | 1.0263 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CuK | | | 1.87 | | | | 0.50 | | | 17.90 | | | | | | 57.82 | | | | | 0.0167 | | | | | 0.7412 | | | | 1.0149 | | | | | | | | | 1.1851 | | | | |  | |  |  |  |  |  |  |  |
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|  |  | **EDAX TEAM** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | | | | | | | | | | | *Page* | | | | | | *6* | |  |  |  |
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|  | kV: | | |  | 20 |  |  | Mag: | | | | 47 | | | Takeoff: | | | | |  | 35.6 | | Live Time(s): | | | | | | | |  | 29.7 | |  | Amp Time(µs): | | | | | | |  | 1.92 | | | | Resolution:(eV) | | | | | | | |  |  | 128 | | | | | |
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|  |  |  | **eZAF Smart Quant Results** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | O K | | | 64.52 | | | | 81.07 | | | 2818.60 | | | | | | 7.74 | | | | | 0.2602 | | | | | 1.0535 | | | | 0.3827 | | | | | | | | | 1.0000 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | SiK | | | 16.15 | | | | 11.56 | | | 1568.30 | | | | | | 5.67 | | | | | 0.1051 | | | | | 0.9602 | | | | 0.6752 | | | | | | | | | 1.0036 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CaK | | | 6.80 | | | | 3.41 | | | 436.30 | | | | | | 4.42 | | | | | 0.0607 | | | | | 0.9076 | | | | 0.9603 | | | | | | | | | 1.0236 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CuK | | | 12.53 | | | | 3.96 | | | 286.50 | | | | | | 6.49 | | | | | 0.1030 | | | | | 0.7757 | | | | 1.0084 | | | | | | | | | 1.0515 | | | | |  | |  |  |  |  |  |  |  |
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|  |  | **EDAX TEAM** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | | | | | | | | | | | *Page* | | | | | | *7* | |  |  |  |
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|  | kV: | | |  | 20 |  |  | Mag: | | | | 47 | | | Takeoff: | | | | |  | 35.6 | | Live Time(s): | | | | | | | |  | 28.4 | |  | Amp Time(µs): | | | | | | |  | 1.92 | | | | Resolution:(eV) | | | | | | | |  |  | 128 | | | | | |
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|  |  |  | **eZAF Smart Quant Results** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | O K | | | 1.57 | | | | 5.95 | | | 414.00 | | | | | | 9.58 | | | | | 0.0072 | | | | | 1.3039 | | | | 0.3540 | | | | | | | | | 1.0000 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | SiK | | | 0.00 | | | | 0.01 | | | 1.50 | | | | | | 99.99 | | | | | 0.0000 | | | | | 1.1995 | | | | 0.3611 | | | | | | | | | 1.0037 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CaK | | | 0.16 | | | | 0.24 | | | 65.20 | | | | | | 21.28 | | | | | 0.0017 | | | | | 1.1428 | | | | 0.8764 | | | | | | | | | 1.0617 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CuK | | | 98.27 | | | | 93.80 | | | 14343.80 | | | | | | 1.77 | | | | | 0.9772 | | | | | 0.9940 | | | | 1.0002 | | | | | | | | | 1.0002 | | | | |  | |  |  |  |  |  |  |  |
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|  |  | **EDAX TEAM** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | | | | | | | | | | | *Page* | | | | | | *8* | |  |  |  |
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|  | kV: | | |  | 20 |  |  | Mag: | | | | 47 | | | Takeoff: | | | | |  | 35.6 | | Live Time(s): | | | | | | | |  | 138.9 | |  | Amp Time(µs): | | | | | | |  | 1.92 | | | | Resolution:(eV) | | | | | | | |  |  | 128 | | | | | |
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|  |  |  | **eZAF Smart Quant Results** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | O K | | | 51.11 | | | | 68.09 | | | 5941.50 | | | | | | 9.08 | | | | | 0.1053 | | | | | 1.0547 | | | | 0.1953 | | | | | | | | | 1.0000 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | SiK | | | 26.15 | | | | 19.85 | | | 15214.50 | | | | | | 3.35 | | | | | 0.1957 | | | | | 0.9611 | | | | 0.7740 | | | | | | | | | 1.0063 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CaK | | | 22.58 | | | | 12.01 | | | 7389.70 | | | | | | 1.70 | | | | | 0.1972 | | | | | 0.9083 | | | | 0.9563 | | | | | | | | | 1.0059 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CuK | | | 0.17 | | | | 0.06 | | | 20.70 | | | | | | 29.06 | | | | | 0.0014 | | | | | 0.7760 | | | | 0.9989 | | | | | | | | | 1.0989 | | | | |  | |  |  |  |  |  |  |  |
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|  |  | **EDAX TEAM** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  | | | | | | | | | | | | | *Page* | | | | | | *9* | |  |  |  |
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|  | kV: | | |  | 20 |  |  | Mag: | | | | 47 | | | Takeoff: | | | | |  | 35.6 | | Live Time(s): | | | | | | | |  | 12.4 | |  | Amp Time(µs): | | | | | | |  | 1.92 | | | | Resolution:(eV) | | | | | | | |  |  | 128 | | | | | |
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|  |  |  | **eZAF Smart Quant Results** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  | O K | | | 69.26 | | | | 82.80 | | | 732.30 | | | | | | 8.94 | | | | | 0.3205 | | | | | 1.0403 | | | | 0.4447 | | | | | | | | | 1.0000 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | SiK | | | 19.16 | | | | 13.05 | | | 406.80 | | | | | | 10.90 | | | | | 0.1292 | | | | | 0.9471 | | | | 0.7103 | | | | | | | | | 1.0027 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CaK | | | 3.81 | | | | 1.82 | | | 50.80 | | | | | | 44.41 | | | | | 0.0335 | | | | | 0.8946 | | | | 0.9616 | | | | | | | | | 1.0231 | | | | |  | |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  | CuK | | | 7.77 | | | | 2.34 | | | 37.90 | | | | | | 50.92 | | | | | 0.0646 | | | | | 0.7638 | | | | 1.0105 | | | | | | | | | 1.0767 | | | | |  | |  |  |  |  |  |  |  |
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