

19 K Potassium 39.0983	20 Ca Calcium 40.078	21 Sc Scandium 44.955910	22 Ti Titanium 47.867	23 V Vanadium 50.9415	24 Cr Chromium 51.9415	25 Mn Manganese 54.938045	26 Fe Iron 55.845	27 Co Cobalt 58.933195	28 Ni Nickel 58.6934	29 Cu Copper 63.546	30 Zn Zinc 65.39	31 Ga Gallium 69.723	32 Ge Germanium 72.61	33 As Arsenic 74.92160	34 Se Selenium 78.96	35 Br Bromine 79.904	36 Kr Krypton 83.80	37 Rb Rubidium 85.4678	38 Sr Strontium 87.62	39 Y Yttrium 88.90585	40 Zr Zirconium 91.224	41 Nb Niobium 92.90638	42 Mo Molybdenum 95.94
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# PRESS RELEASE

FOR IMMEDIATE RELEASE

## Innov-X Systems Awards Portable XRF Academic Research Grant

**Woburn, MA, July 30, 2008** -- Congratulations to Forensic Science Program Graduate Research Student, Lindsay Carbone, and her Faculty Advisor, Assistant Professor Brian J Gestring, in the Chemical and Physical Sciences Department, Cedar Crest College, Allentown, Pennsylvania, on receiving an Innov-X Systems Academic & Research Relations Grant Award. Ms. Carbone's research project, *Evaluating the Presence and Dangers Associated with Heavy Metals in Commonly Encountered Consumer Products*, is being carried out in Allentown, Pennsylvania. According to Ms. Carbone, "this study will evaluate the presence of lead as well as cadmium and cobalt on the surfaces of numerous consumer products." Her research team will accomplish this through a two step process. "The items will first be screened for the presence of lead with Portable XRF. Samples will then be collected from positively screened samples and allowed to sit in human saliva for a fixed period of time." Ms. Carbone then plans to use atomic absorption spectroscopy to quantify the heavy metals that actually leach into saliva, as those results are likely to be in concentrations lower than parts per million.

Portable XRF provides fast and simple in-situ elemental analysis of Mg through U, from PPM to high percentage levels. In a matter of seconds, it allows simultaneous measurements of up to 25 elements. The Innov-X Academic Relations Program encourages and supports research into applications where in-situ XRF measurements expand or enhance a knowledge base. It puts the power of portable XRF in researchers' hands allowing them to take it to the field, where it really counts. Innov-X Academic Research Grants include the loan of an analyzer, technical training and/or consultation, and sponsorship at a technical conference to present the research findings. To learn more or to apply for a grant, visit our website at <http://www.innovxsys.com/en/company/academic>.

### About Innov-X Systems

Innov-X Systems, founded in 2001, is the global leader in rapid, in-situ XRF measurements. Innov-X takes the solution right to the source, providing real-time, non-destructive analysis where the answer is needed the most. This full suite of on-site XRF products from Innov-X provides high performance elemental analysis. Innov-X Systems has the breadth of XRF experience and range of product offerings to provide field-hardened, high performance XRF systems for virtually any location and elemental measurement. Innov-X Systems is a first class global service organization with worldwide operations, sales, and service. Headquartered in the U.S. with R&D and manufacturing facilities, they have offices in Europe and Asia. In addition, sales and service (including installation & training) is available in over 100 countries.

Working today – a vision toward tomorrow.

More company information is available at <http://www.innovxsys.com/copr>.

Product photos may be downloaded at: <http://www.innovxsys.com/company/pressroom>

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48 Cd Cadmium 112.411	2 8 18 18 2	79 Au Gold 196.96655	2 8 18 32 18 1	80 Hg Mercury 200.59	2 8 18 32 18 2
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