

CALIFORNIA STATE SCIENCE FAIR 2016 PROJECT SUMMARY

Name(s)	Project Number
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	36084
Project Title	\mathbf{S}
Dirty Money	
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	$\sim \sqrt{7}$
Abstract	
Objectives/Goals	. If so, where the money
The object of this experiment was to see if drug residue is located on currency was from, what types of drugs were found and how much residue was present.	. No where the money
Methods/Materials	\smile
The experiment was conducted at the Drug Enforcement Administration (DEA	A Drug Laboratory in
The experiment was conducted at the Drug Enforcement Administration (DEA Carlsbad, California. The currency used in this experiment was collected from All of the machines like the Ion Scan and the LC-MS machine were provided Other materials needed were vials, Methanol solution, a syringe cartridges w	yarious parts of the world.
All of the machines like the Ion Scan and the LC-MS machine were provided.	and found in the laboratory.
safety goggles, and a lab coat.	in filter paper, a vacuum,
D ocults	
The Ion Scan and the LC-MS machines showed that Washington D.C. had the	most positives with 100%
of the bills testing positive for cocaine residue. Cocaine was the drug that app	eared most on the money.
Other drugs present were methamphetamine, heroin and marinana Some pla	aces that came up negative
The Ion Scan and the LC-MS machines showed that Washington D.C. had the most positives with 100% of the bills testing positive for cocaine residue. Cocaine was the drug that appeared most on the money. Other drugs present were methamphetamine, heroin, and marita and Some places that came up negative for any drug residue was Russia, China and Mexico. When the samples were run through the LC-MS machine most of the results corresponded with the ones received from the Ions Scan.	
Conclusions/Discussion	
Based on the results from the Ion Scan and the DS-MS machine, it is conclude	ed that the United States has
about 51% of their bills contaminated with drugs. Compared to other countrie	es, the United States has the
highest contamination rate.	
Summary Statement	
This protect#s purpose is to find out what place has the highest contamination	rate, what drugs are on the
money and to compare the results.	
Help Received	
DEA Drug Laboratory in Carlsbad: Provided materials and a place to conduct	the experiments. Mentor:
Forensic Chemist Todd Davis provided guidance during experiments. Parents	and Friends: Helped to
collect currency.	