## CMPD Crime Laboratory Chemistry Section

# **Drug Analyst Training Manual**

## Section IV: Controlled Substances and Pills

## 1 Required Knowledge and Skills

- 1. Chemical Spot Test
- 2. Extraction Techniques

## 2 <u>Instrumentation</u>

- 1. GC/MSD
- 2. FTIR

### **3** Pills Identification

- 3.1 Protocol for analyzing pills and controlled substances
- 3.2 Preparation of clear, concise, and scientifically accurate reports of analysis

## 4 Training

- 4.1 Lecture and discussion
- 4.2 Chemical spot testing; Pill indexing

Under direct supervision, the trainee will test 25 case samples by either direct observation of a Forensic Scientist and/or analysis of previously analyzed proficiency samples.

- 4.3 Trainee will be given a competency test (CT) with variety of samples based on trainees previous experience and training. Upon successful completion and documentation of the CT the trainee will have Moot Court.
- 4.4 Following a successful Moot Court, the trainer will make recommendation of final sign-off to the Supervisor(s), Quality Manager, and Director. Once final sign-off is complete the trainee is able to perform casework and sign final reports.

### 5 References

O'Neal, Carol L., et al., *Validation of twelve chemical spot tests for the detection of drugs of abuse*, Forensic Science International, Vol. 109, 2000, pp. 189-201.

## 6 Appraisal

- In case the performance of a trainee does not meet acceptable level of competency, the following course of action may be utilized.
  - 1. Counseling, feedback and re-evaluation in the deficient area.
  - 2. Further training and re-evaluation in the deficient area.