CH SOP-15- Training Procedures for Chemistry and Instrumentation Document ID: 1038 Revision: 1

Effective Date: 8/15/2014

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Approved by Director: Dr. Guy Vallaro

Title: Training Procedures for the Chemistry/Instrumentation Sections

As of January 2011 the following training outline will be followed for all persons newly assigned to the CHEMISTRY/INSTRUMENTATION SECTION. The amount of time necessary to achieve proficiency in any area may be affected by the previous experience and training of the individual examiner, but all tasks should be completed within 12 months.

I. Introduction: The first chapters of this training manual are common to all Sections of the Laboratory. The trainee is responsible for knowing the general concepts of these chapters before beginning training in a specific area.

Completed	Initials	<u>Date</u>	Goals: • Upon completion the examiner will be familiar with the A & O manual, safety manual, forensic laboratory operation, LIMS system, and individual responsibilities
		0	Tasks: Orientation to the laboratory facility and personnel
			• organization structure, code of ethics, and chain of command
			• Security and confidentiality requirements.
			• Introduction to quality control and quality assurance including required documentation
			• Safety procedures - chemical and biohazard, incident reports,

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fire/emergency procedures

Reading:	
	Laboratory Quality Manual (given own copy)
	DPS A & 0 Manual
	Emergency and Safety Manuals (given own copy) Section QA/QC procedures
Assessment:	Oral & / or written evaluation by QC Manager and supervisors
H. Eridanas Handlina	Signed receipts
II. Evidence Handling	Goals:
	To handle evidence in a manner appropriate for the Section and to preserve
	evidence which may be analyzed by other sections of the Laboratory.
	To learn the operation of the LIMS system, item assignment, and
•	the maintenance of chain of evidence for submissions and items.
	To demonstrate proficiency in the basic tasks necessary to
	complete evidence transfer functions and create a chain of
	evidence

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Reading:	
	Quality Manual
	LIMS training manual
Assessment:	
	By supervisor, evidence receiving supervisor if deemed necessary
III Foundational Scient	tific Knowledge
Goals:	
	To assure examiners have both the formal education and working knowledge
	of the fundamental basis of chromatography/chemistry.
Tasks:	
	Document [List any coursework and training-received prior to or during the
	training period which has been identified as essential to the well-trained
	person performing the analyses for that area/section] See resume.
	Reading [List any guidelines or recommendations by the SWG's or
	Professional organizations which are recognized as generally acceptable] See
•	bibliography.
Assessment:	
	• Completed by the supervisor
	List and document the review of the educational

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Documents outside of Qualtrax are considered uncontrolled.

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	casework _
Required reading:	LIMS training manual and handouts on "successfully logging in closed cases" or "crystal reports"
Assessment:	Review of reports with case jackets relating to various types of cases and scenarios as determined by the supervisor.
	 Sample data/results given to the examiner to interpret and write a report Demonstrate proficiency in Crystal reports and other necessary
	LIMS areas Complete written report of competency test results. Documentation of these processes by the supervisor.
VII. Legal Issues	
Goals:	• To become familiar with the legal requirements for testimony in Connecticut

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Examiner will receive instruction on the requirements and testimony related to:
Qualifications
Technical testimony
Courtroom dress & demeanor
Ethical responsibilities of expert witnesses
Laboratory courtroom monitoring procedures and reports
Presentation of evidence
Pertinent rules of the courtroom
Transcripts or sample testimony
State admissibility requirements (State v. Porter)

Assessment.

Required reading:

Tasks:

• Oral or written questions by the section or other supervisor. Moot court - each examiner who is new to the laboratory or to an area shall demonstrate expertise by Moot court. Documentation of the

Admissibility, in general -Frye, Daubert, etc.

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