Final – Minutes
Toxicology Subcommittee of the
Scientific Advisory Committee
May 7, 2019
Department of Forensic Science, Central Laboratory, Classroom 1

Subcommittee Members Present

Maureen C. Bottrell
Leslie E. Edinboro, Ph.D., Chair
Barry S. Levine, Ph.D.
Richard P. Meyers

Subcommittee Members Absent

Jami J. St. Clair

Committee Members Present

Linda C. Jackson

Staff Members Present

Amy M. Curtis, Department Counsel
Carisa M. Studer, Legal Assistant
David A. Barron, Ph.D., Deputy Director
Alka B. Lohmann, Director of Technical Services
James W. Hutchings, Ph.D., Toxicology Program Manager
Katya N. Herndon, Chief Deputy Director
Rebecca L. Wagner, Ph.D., Research Section Supervisor

Call to Order

Leslie Edinboro, Ph.D., the Chair of the Scientific Advisory Committee's Toxicology Subcommittee ("Subcommittee"), called the meeting to order at 8:31 a.m.

Adoption of the Agenda

Dr. Edinboro asked if there were any additions or changes to the draft agenda for the meeting. Ms. Bottrell made a motion to adopt the agenda; the motion was seconded by Dr. Levine and adopted by unanimous vote of the Subcommittee.

Discussion of Validations

The members of the Subcommittee were provided copies of the Virginia Department of Forensic Science's (DFS or the Department) Validation Summary of the Qualitative Analysis of Novel

Psychoactive Substances using LCMSMS and the Validation Summary of Fentanyl Analog Qualitative Analysis by Protein Precipitation using LCMSMS in advance of the meeting. Dr. Hutchings and Dr. Wagner gave an overview of the two validation summaries to the Subcommittee members. Dr. Edinboro led a discussion between the Subcommittee members and DFS staff regarding the two validations. Dr. Hutchings and Dr. Wagner answered the Subcommittee members' questions regarding the validations. The Subcommittee members provided comments and made suggestions for DFS to consider for the two validation documents.

Discussion of Methods in Development

The members of the Subcommittee were provided copies of the following Toxicology methods in development: Confirmation and Quantitation of Fentanyl Derivatives in Biological Samples by Solid Phase Extraction Using LCMSMS; Qualitative Drug Screening Using High Resolution Mass Spectrometry; GHB, GBL, and 1,4-Butanediol Quantitation and Confirmation Method by LCMSMS; and Nonsteroidal Anti-inflammatory Drug Quantitation and Confirmation Method by LCMSMS.

Dr. Wagner gave an overview of each method in development to the Subcommittee. Dr. Edinboro led a discussion between the Subcommittee members regarding the four methods in development.

Maureen Bottrell made a motion to have the Department consider the Subcommittee's recommendations made for the validations and methods in development, specifically regarding carryover, retention time criteria, the use of relative retention time for identification purposes, and the ion ratio algorithm (sliding scale). The motion was seconded by Dr. Levine, and passed by unanimous vote.

Richard Meyers made a motion to close the Subcommittee's review of the Toxicology validations and methods in development; the motion was seconded by Dr. Levine, and passed by unanimous vote.

Public Comment

None.

Future Meeting Date

Mr. Meyers made a motion to adjourn the meeting of the Toxicology Subcommittee; the motion was seconded by Dr. Levine and passed by unanimous vote.

The meeting adjourned at 9:58 a.m.