SUPPLEMENTAL DOCUMENT SD-5
FOR SWGDRUG RECOMMENDATIONS
Reporting Examples

Introduction:

This document presents examples of report writing that incorporate SWGDRUG recommendations (i.e. Part IVA Section 9.2 Report Writing, Part IIIA Section 6 Reporting and Part IVC Section 5 Reporting of uncertainty). These examples are designed to assist laboratories in producing reports that capture required information in an accurate, clear and objective manner. They are meant to be illustrative, not exclusive or limiting.

It is recognized that factors such as jurisdictional requirements, laboratory information management systems and customer needs will affect the composition and format of reports. As such these reports are merely intended to be representative of how a laboratory drug report may appear.

Laboratories may report additional information that is not included in these examples.

<Laboratory Name>
<Location>

Report of Laboratory Examination
Laboratory Case Number <Lab#-XXX>

Submitting Agency: <Name>
<Address>

Date of Evidence Receipt: July 3, 2019

Items Submitted:

Item 1.1: One brick-shaped package of compressed white powder
Item 2.001 – 2.978: 978 paper packets containing a brown powder
Item 3.1: 53 round, red tablets marked "44 112"
Item 4.1: One three-neck round-bottom flask containing residue
Item 5.1: One plastic bag containing compressed plant material

Results and Conclusions:

Item 1.1: Powder was analyzed and found to contain cocaine HCl.

Net Weight: 1024.6 ± 1.2 grams (95% level of confidence).

Tests/Techniques: weight determination on 08Jul2019, Gas Chromatography/Mass Spectrometry (GC/MS) on 09Jul2019, Fourier Transform Infrared Spectroscopy (FTIR) on 17Jul2019.

Item 2.1 – 2.978: Powder from 28 packets was analyzed utilizing a hypergeometric sampling plan resulting in a 95% level of confidence that at least 90% of the packets contain heroin (salt form undetermined).

Weight: (net weight of 9 packets) 0.266 ± 0.002 gram (95% level of confidence); (extrapolated total net weight) 29.0 ± 1.8 grams (95% level of confidence).

Purity (calculated as base): Samples from 10 packets were combined, homogenized and were determined to be 32% ± 1.9% (95% level of confidence).

Tests/Techniques: weight determination on 10-11Jul2019, High Performance Liquid Chromatography (HPLC) on 15Jul2019, GC/MS on 16Jul2019, FTIR on 17Jul2019.

Lab#-XXX

Item 3.1: Pharmaceutical identifier indicates 30 mg of pseudoephedrine hydrochloride per tablet. One tablet was analyzed and found to contain pseudoephedrine HCl.

Tests/Techniques: pharmaceutical identifier on 08Jul2019, FTIR on 17Jul2019.

Item 4.1: Residue was analyzed and found to contain pseudoephedrine or ephedrine.

Tests/Techniques: Gas Chromatography/Flame Ionization Detector (GC/FID) on 19Jul2019, GC/MS on 22Jul2019.

Item 5.1: Plant material was moldy and found to be unsuitable for analysis.

Analyst: Jane Q. Chemist Date: 25 July 2019

Jane Q. Chemist

End of Report

<Laboratory Name>
<Location>

Report of Laboratory Examination
Laboratory Case Number <Lab#-XXX>

Submitting Agency: <Name>
<Address>

Date of Evidence Receipt: July 3, 2019
Date of Report: July 25, 2019

Items Submitted:

Item #-XXX-1: One brick-shaped package of compressed white powder
Item #-XXX-2: Numerous paper packets containing a brown powder
Item #-XXX-3: Several round, red tablets marked "44 112"
Item #-XXX-4: One three-neck round-bottom flask containing a solid white residue
Item #-XXX-5: One plastic bag containing compressed plant material

Results and Conclusions:

Item	Substance	Net Weight/Quantity	Purity	Tests/Techniques
#-XXX-1	Cocaine HCl	1024.6 grams ± 1.2 grams	n/a	weight, GC/MS, FTIR
#-XXX-2	Heroin (salt form undetermined)	29.0 grams ± 1.8 gram	32.0% ± 1.9% (calculated as base)	weight, HPLC, GC/MS, FTIR
#-XXX-3	Pseudoephedrine HCl (1 tablet tested)	53 tablets	n/a	pharmaceutical identifier, FTIR
#-XXX-4	Pseudoephedrine or Ephedrine (salt form undetermined)	n/a	n/a	GC/FID, GC/MS
#-XXX-5	Marijuana	28.45 grams ± 0.09 gram	See Remarks	weight, microscopic examination, color test, GC/MS

Lab#-XXX

Remarks:

Items #-XXX-1, 2 and 5: The uncertainties of all weights and purity determinations were reported at a 95% level of confidence.

Item #-XXX-2: Using the hypergeometric sampling plan, twenty-eight packets were analyzed resulting in a 95% level of confidence that at least 90% of the 978 packets contain heroin. The net weight reported was determined from weighing the contents of nine individual packages. For the purity determination, samples from nine packets were combined, homogenized and were determined to be 32% ± 1.9% (95% level of confidence). Based on the reported net weight and purity determination, the amount of pure drug is calculated to be 9.2 grams ± 0.7 gram.

Item #-XXX-3: The 53 tablets were the same size, shape, color, and labeled with the same markings. One tablet was selected for analysis.

Item #-XXX-4: Due to the limited sample amount, a technique was not available in laboratory to distinguish between pseudoephedrine and ephedrine.

Item #-XXX-5: The delta 9-tetrahydrocannabinol (Δ9-THC) content was greater than 0.3% dry weight. The term “marihuana” does not include hemp as defined in section 297A(1) of the Agricultural Improvement Act of 2018 of containing less than 0.3% Δ9-THC.

Date(s) of performance of laboratory activities are available upon request from the laboratory.

Abbreviations:
n/a = not applicable
GC/MS = Gas Chromatography/Mass Spectrometry
FTIR = Fourier Transform Infrared Spectroscopy
HPLC = High Performance Liquid Chromatography
GC/FID = Gas Chromatography/Flame Ionization Detector

Analyst: John Q. Chemist