Procedure Name Solid Phase Extraction of Alkaline Drugs from Biological Fluids	
17-11-1-1 C 1 ' d (POY200 to 11')	
Validation experiments were performed using the current TOX203-10 solid extraction modified to analyze blood stains on clothing for a single investigated follows:  - Fabric samples (~ 2" x 2") were stained with 1 mL of blood samples spike fentanyl & norfentanyl at 5 ng/mL and cocaine, benzoylecgonine, ecgonim methylester, cocaethylene, methamphetamine, amphetamine, oxycodone, & noroxycodone spiked at 25 ng/mL (in duplicate). Each batch also contained samples (1 of each) stained with 1 mL of negative control blood.  - Each batch also contained the following 1 mL blood controls in test-tubes: blood, low control blood (5 ng/mL & 25 mg/mL as above), and a high control ng/mL (fentanyl/norfentanyl) and 100 ng/mL (all others).  - Dried blood stained fabric samples were placed into test-tubes (16 x 100 m soaked with methanol for ~ 4 hours. The methanol extracts were removed a into new test-tubes (16 x 100 mm) and dried to ~ 200 uL at 40°C (note: drie on the sides of the test-tubes will not be vortexed during the drying process behind). The ~ 200 uL methanol extracts were transferred into new test-tub 100mm), reconstituted with 1 mL deionized water and extracted per TOX20 - Step I. Reconstitute was modified for all as follows:  - To each test-tube: add 50 uL of methanol followed by 100 uL water, transfer to 0.22 um centrifugal filter tubes, and centrifuge for 5 minu 10,000 rpm. Filtrates will be transferred to ALS vials with inserts.  TOX203 column, mobile phases and LC/MS parameters per TOX203-10 we for this validation.  Limit of Detection (LOD) experiments were evaluated (three fabrics in dupl sets): all of the positive samples contained fentanyl & norfentanyl at 5 ng/m cocaine, benzoylecgonine, ecgonine methylester, cocaethylene, methamphet amphetamine, oxycodone, & noroxycodone at 25 ng/mL.	d with e fabric negative rol at 20 nm) and and placed d residue but left es (16 x )3-10.  vortex, ates at ere used

APPROVALS				
Technical Approval	Redacted	Date	3/29/2024	
Unit Chief Approval		Date	3/29/2024	

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