

SOUTH CAROLINA LAW ENFORCEMENT DIVISION

FORENSIC SERVICES LABORATORY REPORT

MARK SANFORD
Governor



REGINALD I. LLOYD
Director

FA10-212

Inv. Teri Carter
Spartanburg County Coroner's Office
366 N. Church Street, Suite 1700
Spartanburg, SC 29303

TOXICOLOGY DEPARTMENT
January 07, 2011
SLED No: L10-12917
Your Case No: C1011068
Incident Date: 11/13/2010

[V-Deceased] Alexis Catherine
Greene



This is an official report of the South Carolina Law Enforcement Division Forensic Services Laboratory and is to be used in connection with an official criminal investigation. These examinations were conducted under your assurance that no previous examinations of person(s) or evidence submitted in this case have been or will be conducted by any other laboratory or agency.

Reginald I. Lloyd, Director

ITEMS OF EVIDENCE

Item: 1 **Sample Type: Blood (Toxicology) - labeled "Greene, Alexis"**

Analysis by Headspace Gas Chromatography (GC) and/or Headspace Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Units	Threshold
Ethanol	Negative	% w/v	0.01
Methanol	Negative	% w/v	0.01
Acetone	Negative	% w/v	0.01
Isopropanol	Negative	% w/v	0.01

Screen by Enzyme Linked Immunosorbant Assay (ELISA)

Analyte	Result	Units	Threshold
Benzodiazepines	Positive	mg/L	0.05
Amphetamine	Negative	mg/L	0.15
Methamphetamine	Negative	mg/L	0.15
Oxycodone	Negative	mg/L	0.10



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Screen by Fluorescence Polarization Immunoassay (FPIA)

Analyte	Result	Units	Threshold
Cocaine Metabolite	Positive	mg/L	0.10
Opiates	Positive	mg/L	0.10
Salicylates	Negative	mg/L	50.00

Quantitation by Fluorescence Polarization Immunoassay (FPIA)

Analyte	Result	Units	Threshold
Acetaminophen	19	mg/L	

Synonyms: Tylenol®

Notes: Therapeutic levels: 10-20 mg/L

Toxic levels: 150 mg/L

Lethal levels: >160 mg/L

Ther. 5-26, Toxic 30-300

Analysis by Gas Chromatography/Mass Spectrometry (GC/MS)

Analyte	Result	Units	Threshold
Diphenhydramine	0.03	mg/L	

Synonyms: Benadryl®, Benahist®, Unisom®

Notes: Therapeutic levels: 0.025-0.112 mg/L

Toxic levels: 5 mg/L

Lethal levels: >8 mg/L

Ther. 0.004 - 0.260

Toxic 1-5

Chlorpheniramine

Synonyms: Aller-Chlor®, Kloromin®, Chlortrimeton®

Notes: Therapeutic levels: 0.01-0.017 mg/L

Lethal levels: 0.5-1.7 mg/L

Ther. 0.01 - 0.04, Toxic 0.5

0.06 mg/L

Methorphan

Synonyms: Dextromethorphan (Romilar®), Levomethorphan

Notes (for Dextromethorphan): Therapeutic levels: 0.15-0.40 mg/L

Lethal levels: > 3.0 mg/L

Dextro - Ther. 0.005 - 0.06, Toxic No DATA

0.03 mg/L

Methorphanin

Synonyms: Dextrorphan (Dextromethorphan metabolite), Levorphanol, LevoDromoran®

Notes (for Dextrorphan): Therapeutic levels: 0.007-0.021 mg/L

Lethal levels: 0.8-2.7 mg/L

0.04 mg/L

Morphine

Synonyms: MS Contin®, Astramorph®, Duramorph®

Notes: Therapeutic levels: 0.10-0.30 mg/L

Lethal levels: 0.05-4.0 mg/L

Levels may be higher in individuals under chronic Opioid treatment.

Ther. 0.001 - 0.200, Toxic 0.3 - 2.5, Lethal 0.2 - 7.2.

Peds 0.046 - 0.083 mg analgesic

0.52 mg/L



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Analyte	Result	Units	Threshold
Cocaine/Cocaine Metabolite	Negative		
Analytes of interest include Cocaine, Benzoylcegonine, and Cocaethylene.			
Liquid Chromatography/Tandem Mass Spectrometry (LC/MS/MS)			
Analyte	Result	Units	Threshold
Clonazepam	0.01	mg/L	
Synonyms: Klonopin® <i>Tbr. 0.004-0.08, Toxic 0.1-0.6</i>			
Notes: Therapeutic levels: 0.007-0.028 mg/L			
Toxic levels: 0.46 mg/L			
Comprehensive Analysis			

A comprehensive analysis was performed on this sample. With the exception of the compound(s) listed, no other drugs or poisons of concern were found.

Quintus Young II
Forensic Toxicologist

For any additional interpretation of results please contact the Toxicologist above at the SLED Toxicology Department, (803) 896-7385.

