

Armstrong

Forensic Laboratory, Inc.

PROPOSAL FOR LABORATORY TESTING SERVICES AND STATEMENT OF QUALIFICATIONS

For

Services Associated with Controlled Substance
Identification and Blood Alcohol Concentration Analyses

Submitted to:

Mr. John McKinney
Williamson County
405 MLK West 7th
Georgetown, TX 78626
Jdmckinney@wilco.org

Submitted by:

Armstrong Forensic Laboratory, Inc.
330 Loch'n Green Trail
Arlington, Texas 76012
www.AFLab.com
(817) 275-2691



October 30, 2019

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1.0 INTRODUCTION

Armstrong Forensic Laboratory, Inc. (Armstrong) offers this Proposal for Controlled Substance Identification and Blood Alcohol Concentration Analyses (Proposal) and Armstrong's Statement of Qualifications (SOQ) to the Williamson County . This Proposal includes Armstrong's full range of qualifications and support services directly related to laboratory analysis of evidence submitted for controlled substances identification or blood alcohol concentration.

1.1 ORGANIZATIONAL QUALIFICATIONS

As an ISO/IEC 17025; 2005 Accredited Crime Lab through ANSI National Accredited Board (ANAB) and the Texas Forensic Science Commission (TxFSC), Armstrong is uniquely qualified to serve as Williamson County support laboratory of choice based on Armstrong's competency, knowledge, and experience in the fields of forensic investigation, laboratory analysis, and courtroom testimony that directly correlate with the identification of controlled substances and analysis of evidence blood alcohol concentration (BAC).

Armstrong was incorporated in 1981. Armstrong's services began in the field of forensic investigations and expanded to include environmental and industrial hygiene analysis and supporting services. Located in Arlington, Texas - the heart of the Dallas/Fort Worth area - and focused on providing quality, credentialed services to all of its clients, Armstrong quickly grew to become a full-service consulting analytical laboratory with a mission committing the organization to excellence in the production of analytical data and consulting services.

Armstrong's expertise is in comprehensive, analytical laboratory services that produce accurate, timely, and cost-effective results. Both the civilian and criminal litigation throughout the United States rely on the years of experience Armstrong's Consulting Experts have interpreting and presenting data and conclusions. Sample handling policies and procedures (sample receipt, chain-of-custody, control, and disposition) are able to withstand the scrutiny of any courtroom.

Armstrong also holds accreditations, certifications, licensures, and registrations through several other national and international organizations as well as State licenses and registrations, including: American Industrial Hygiene Association (AIHA), Texas Commission on Environmental Quality (TCEQ), National Environmental Laboratory Accreditation Committee (NELAC), Environmental Protection Agency (EPA), and Texas Department of Licensing and Regulation (TDLR). Copies of these certificates are available upon request.

1.2 OVERVIEW OF SERVICES

Armstrong is committed to performing the described scope of services in a competent, professional manner that includes timeliness of analysis and detailed report submittal. The general services proposed include:

- Client Representative assigned specifically to Williamson County for administrative aspects of all projects;
- Project Manager/Technical Advisor (PM/TA) available to assure Williamson County and regulatory requirements are met as well as provide interpretive support as necessary;

- Experienced and qualified personnel for the secured transportation of evidence;
- Project specific chain-of-custody (COC) as requested;
- Analysis of evidence by a team of competent and qualified ANAB Analysts and Technical Reviewers to ensure accurate, defensible data with a case specific Analytical Report;
- Case specific affidavit and/or experienced and qualified ANAB Testifying Experts to provide supporting courtroom testimony as scheduled; and
- Secure temporary or long-term storage of evidence.

1.3 LABORATORY CONTACTS

Contact information related to this Proposal includes:

Project Manager/Technical Advisor:

Kelly Wouters, PhD
Laboratory Director

(817) 275 - 2691 ext 312 (Office)
KWouters@AFLab.com (Email)

Administrative Questions:

Dawn Jones
Office Manager

(817) 275 - 2691 ext 324 (Office)
DJones@AFLab.com (Email)

Armstrong's physical location and general contact information is:

330 Loch'n Green Trail
Arlington, Texas 76012
(817) 275 - 2691 (Office)

(817) 275 - 1883 (Fax)
www.AFLab.com (Website)
AFLab@AFLab.com (General Email)

1.4 LABORATORY PERSONNEL QUALIFICATIONS

Armstrong's Associates available to support Williamson Countycase work include: fully qualified Analysts, fully qualified Technical Reviewers (as defined by ANAB), and technical support and administrative personnel qualified and trained to ensure all work submitted by Williamson Countyrelated to this Proposal meets or exceeds recommendations and requirements for court-ready data/reports. In addition, Armstrong has fully qualified, knowledgeable and experienced expert consultants available for consultation and support from initial evidence receipt through courtroom presentation.

Table 1 notes Key Personnel assigned to support Williamson Countycase work.

Table 1: Key Personnel				
Position/ Job Function	Name	Degrees & Certifications	Years Exp.	Years @ Armstrong
Senior Consultant/Technical Advisor; ANAB Technical Reviewer, Analyst & Testifying Expert	Andrew Armstrong	PhD; Fellow-ABC; Fellow-AAFS	58	42
Laboratory Director; Senior Consultant; ANAB Technical Reviewer, Analyst & Testifying Expert	Kelly Wouters	PhD; Fellow-ABC	20	10
Laboratory Supervisor; ANAB Technical Reviewer, Analyst & Testifying Expert	Karen Deiss	BS	34	16
Senior Laboratory Analyst; ANAB Technical Reviewer, Analyst & Testifying Expert	Alexandra Easley	PhD	1	1
End of Table 1				

Additional ANAB Qualified Analysts and Technical Support Personnel (TSP) may be assigned as appropriate. Qualifications of any of Armstrong personnel associated with Williamson County projects may be requested.

1.5 REFERENCES

ARLINGTON POLICE DEPARTMENT

MS. DEBBIE LANGJAHR - BAC REPORT

Arlington Police Department

(817) 459-5356

MS. DARLA TAYLOR - DRUG REPORTS

Arlington Police Department

(817) 804-2780

Since 2017, Armstrong has provided analytical and consultative support to Arlington Police Department in the area of controlled substance identification, blood alcohol analysis, evidence transport, testimony, and evidence storage as requested. In 2018, Armstrong has analyzed over 1,500 samples for the Arlington Police Department.

GRAND PRAIRIE POLICE DEPARTMENT

SERGEANT KENNETH ZACHARIAS

kzacharias@gptx.org

(972) 237-8768

Since 2018, Armstrong has provided analytical and consultative support to Grand Prairie Police Department in the area of controlled substance identification, testimony, and evidence storage as requested. In 2018, Armstrong has analyzed over 800 samples for the Grand Prairie Police Department.

2.0 SCOPE OF SERVICES

2.1 OVERVIEW

Armstrong proposes a project specific scope of service that includes:

- Project Specific COC;
- Evidence receipt and confirmation of information;
- Photographic documentation of controlled substance evidence upon receipt at laboratory;
- Examination of evidence indicated for analysis;
- Identification and selection of samples and sub-samples;
- Initial and final weight of evidence, as appropriate;
- Appropriate and necessary analyses for controlled substance is based on characteristics of evidence, including but not limited to:
 - FTIR;
 - Qualitative GC/MS;
 - Microscopical Examination(s);
 - Spot Test(s).
 - Analyses will conform to ASTM or SWGDrug standards and guidelines as appropriate.
- THC Qualitative and Quantitative is performed by GC-FID;
- Blood alcohol concentration is performed by GC-FID on a specialized piece of equipment, an Agilent 6890 Series GC Flex AutoSampler;
- Court-ready Laboratory Analytical Report;
- Affidavit of Analysis as requested; and
- Secure, temporary evidence storage pending return shipment or transport.

Armstrong will perform the appropriate testing as described in the Scientific Working Group for Analysis of Seized Drugs (SWGDrug) Recommendations for Code of Professional Practice; Education and Training; Methods of Analysis; and Quality Assurance and/or ASTM Standard Methods/Practices. Unless otherwise noted, Armstrong proposes to analyze only those items of evidence that are not considered extraneous items or paraphernalia. Only the physical material (solid or liquid) that would comprise the controlled substance will be analyzed. Unless otherwise allowed, sub-samples will be established in accordance with standard operating procedures.

For bulk submissions that exceed thirty (30) individual units, Armstrong proposes to release final laboratory reports in smaller groups as case files are completed. That is, Armstrong will not hold reports for individual arrest cases pending completion of other laboratory work.

2.2 EVIDENCE REVIEW AND CONFIRMATION OF CASE INFORMATION

Upon formal evidence receipt, the evidence is placed in the custody of a qualified ANAB Analyst for initial processing prior to analysis. The evidence and related administrative documentation are again compared against the COC to verify all information. Where discrepancies between the information (physical evidence, evidence labeling, and the COC) are identified the Williamson County will be contacted for resolution. Any changes made should be initialed and dated by the Williamson County and a corrected COC resubmitted to Armstrong.

Armstrong's SOP related to Forensic Recovery (FR) case work, such as evidence submitted by the Williamson County, require that the evidence and all related information be handled based on the presumption that the information and data generated by the laboratory will be presented in court. Given the variability of the projects that may be submitted for Forensic Recovery, the handling of the evidence upon check-in must be considered on a case-by-case basis and must always maintain the integrity of the evidence submitted. Many of these samples may require special examination, photographic documentation, and/or individual analytical assignment. After the submitted documentation (including the COC) is examined for completeness and a case file number is assigned, these samples are moved to a separate, secured evidence area until processing is begun.

2.3 REPORT FORMAT AND AFFIDAVIT OF ANALYSIS

Armstrong's Forensic Recovery Reports are generated by the consulting staff under the direction of the Vice President of Services and are processed under the direction of the Office Manager. Forensic Recovery Reports are issued for forensic case work designated as case type FR.

In accordance with Armstrong's SOPs and ANAB requirements, the Consultant(s) (ANAB Technical Reviewer/Analysts) responsible for the Case File will oversee report creation and submission. The Consultant may conduct, participate in, observe or supervise any tests, or will complete and document a review of all test documentation prior to preparing the final report. The responsible Consultant will document the review by initialing and dating each page of the data reviewed or a Document Review Cover Sheet identifying the data produced and reviewed that forms the basis of the conclusion(s) reached.

Any opinions and interpretations included in the report will be clearly identified and the basis upon which those opinions and interpretations are made will be documented. If no definitive conclusions can be reached, the reason(s) will be documented.

The final report will contain the following information, at a minimum:

- Date the report is issued;
- Name, address, and phone number of the Laboratory;
- Name and address of the Client;
- Name of Evidence Submitter;
- Name of all parties receiving a copy of the report;
- Page number and total number of pages of the report on each page;
- Name, title, and signature of the Analyst and/or Technical Reviewer;

- Unique Laboratory Case File identification number on every page;
- Description and identification of the samples and date(s) received by the laboratory, including the laboratory's unique identifier;
- Identification of the test method(s), the sample results, and conclusions;
- The condition/acceptability of the samples;
- Identification of the test method, analytical results, and reporting limit (if results are quantitated);
- Where relevant, a statement to the effect that the results relate only to the items tested; and
- Name, title, and signature of signatories accepting technical responsibility for the Report and of the analysis. The Technical Reviewer is considered the Primary Signatory and the Analyst is the Second Signatory.

In addition, where necessary for the interpretation of the analytical results, the report will include:

- Date of analysis;
- Deviations from, additions to, or exclusions from the test method, and information on specific test conditions, such as environmental conditions;
- A statement of compliance/non-compliance with requirements and/or specifications;
- If applicable, a statement on the estimated uncertainty of measurement, if relevant to the validity or application of the test results, when requested by the Client, or when the uncertainty affects compliance to a specification limit;
- Where appropriate and needed, opinions and interpretations; and
- Additional information required by the analytical method or by the Client.

If provided by the Client, and necessary for the interpretation of the test results, the report will include the following:

- Date of sample collection;
- An unambiguous identification of the substance, material or product sampled (including manufacturer, model or type designation, and serial number);
- The sample location, including diagrams, sketches or photographs;
- A reference to the sampling plans and sampling procedures used; and
- Standards or specifications for the sampling method or procedure and deviations, additions or exclusions from the standards or specifications.

All laboratory reports are stored electronically and the final report is printed on letterhead paper. Only one original is generated unless otherwise requested by the Williamson County. The Office Manager, Vice President of Services, President, or designated qualified office personnel will review all Forensic Recovery Reports as the Administrative Reviewer. All signatories will have reviewed the final report prior to signing in blue ink. Final reports issued to the Client via electronic delivery methods (email, facsimile, etc.) and/or mailed by U.S. Postal Service are considered final reports. If a

determination is made that a report that has been issued in the U.S. Postal Service should be modified or amended, it will only be reissued with a notation at the top of the report as "Amended". There will be an "Amended Report Tracking" table inserted at the end of the report and before the signature block noting the specifics related to any revision. To the extent possible, all signatures included on the original report will be included with the amended report.

Armstrong shall, where standard report format does not already, incorporate any requirements and recommendations for Final Reports as required, which may include:

- Title: Name of lab performing analysis;
- Date received by analyzing lab;
- Defendant(s) Name;
- Date of Offense;
- Offense Number;
- Findings: name(s) of controlled substance identified as listed in the Texas Controlled Substance Act;
- Net weight of sample; and
- Name of Analyst.

Attachment C is examples of Armstrong Laboratory Reports to be considered for use by Williamson County. Armstrong welcomes any changes/modifications considered appropriate by Williamson County. An Affidavit of Analysis is available for each case file upon request.

3.0 PROPOSED COST OF SERVICES

Armstrong presents the following Cost of Services for Controlled Substance Identification, Blood Alcohol Concentration and THC Identification and Concentration Analyses (Table 2) as its best cost proposal for laboratory analysis of controlled substances and supporting services.

Compensation for analysis or services not identified in this Proposal shall be agreed to by the Williamson County and Armstrong prior to assignment of analysis or services. Where time is of the essence, Williamson County may forgo negotiation of pricing and accept Armstrong's currently published fee schedule.

Table 2: Cost of Services		
Line Item	Description of Service	Proposal Rate
<i>Controlled Substance Identification</i>		
1A	Controlled Substances Full Scan (Note 1):	\$125.00/Unit
1B	Additional Component(s) Reported, Same Sample (Note 2)	\$50.00/ Add'tl Cmpnt
1C	Quantitation of Component	\$125.00/Unit
<i>THC Identification and Concentration</i>		
2A	THC ID and Quantitation: Green leafy material	\$195.00/Unit
2B	THC ID and Quantitation: ECig, Edibles, Non-green leafy material	\$250.00/Unit
<i>Blood Alcohol Concentration</i>		
3	Blood Alcohol Concentration	\$90.00/Unit
<i>Non-Analytical Related Services</i>		
4	Affidavit of Laboratory Analysis: On Request	\$100.00/Case
5	Evidence Storage (6 mos.): On Request	\$75.00/Case
6	Evidence Photo Documentation: Controlled Substance	No Charge
7	Evidence Pickup and Return	Call for Quote
<i>Consulting, Deposition and Court Presentation Fees</i>		
<i>Andrew T. Armstrong, Ph.D., C.P.C (ALL)</i>		
8A	Consultation, Travel, Phone and Standby	\$395.00/Hr
8B	Court Presentation and Deposition	\$495.00/Hr
8C	Video Deposition	\$595.00/Hr

Table 2: Cost of Services		
Line Item	Description of Service	Proposal Rate
<i>Kelly Wouters, Ph.D. (ALL)</i>		
9A	Consultation, Travel, Phone and Standby	\$295.00/Hr
9B	Court Presentation and Deposition	\$395.00/Hr
9C	Video Deposition	\$495.00/Hr
<i>Alexandra Easley, Ph.D.</i>		
10A	Consultation, Travel, Phone and Standby	\$245.00/Hr
10B	Court Presentation and Deposition	\$345.00/Hr
10C	Video Deposition	\$445.00/Hr
<i>Additional Consulting Services</i>		
11	Technician (In-house or Field)	\$95.00/Hr
12	Video Taping and Production	\$95.00/Hr
13	Computer Services (e.g. CAD, database search)	\$95.00/Hr
14	Fax Transmission	No Charge
15	Mileage	\$0.70/Mile
16	Expenses Related to Travel	Pass Through Cost
17	Event Charge (Note 3): Cost/Person/4-hr event	\$200.00
Note 1	<p>Controlled Substance Full Scan represents a full analysis (including weight) and report of the primary controlled substance in the item or sub-sample.</p> <p>Quantitative results (purity) are not included. Depending on the number of different units submitted as a single item, multiple sub-samples may be required for a complete analysis.</p> <p>For evidence that must be sub-sampled to meet analytical methodologies, each sub-sample will be treated as an individual unit.</p> <p>Armstrong maintains a library of reference standards including numerous synthetic drugs.</p> <p>If a submitted sample contains a controlled substance not already included in Armstrong's libraries, the purchase of a reference standard may be necessary to confirm the identification.</p> <p>In the event that additional cost is necessary, Armstrong will contact the Client for approval.</p>	
Note 2	<p>Additional component(s) identified in the same sample will be reported at a charge of \$50.00 per additional component per sample.</p> <p>Additional Component is considered to mean any other potentially significant analyte identified within the results; controlled or non-controlled by the State of Texas.</p>	
Note 3	<p>Event Charges may be incurred when Armstrong is requested to provide services that require efforts beyond the scope of its standard work-shift. (Mon.- Fri., 7a.m. - 6 p.m.)</p>	
End of Table 2		

3.1 TURN-AROUND TIMES AND BATCH SIZES

Armstrong is proposing a Standard TAT for Williamson County cases work of twenty (20) business days for batch sizes that do not exceed thirty (30) units (discreet samples). Batch sizes greater than thirty (30) units may extend the TAT of the batch set.

There are expedited turn-around times available with an associated surcharge on the analytical cost. Details are below:

ASAP TAT	100% Analytical Surcharge
5 TAT	50% Analytical Surcharge

3.2 CONSULTING AND OTHER SERVICES

Armstrong has included hourly rates for the Consultants available for expert testimony and/or consultation services. Refer to Line Items 8 through 10. Additionally, Table 2 provides a section labeled "Other Services" for Williamson County consideration (Line Items 11 through 17). These items include costs/expenses related to non-standard services such as Field Technician.

4.0 PROPOSAL ACKNOWLEDGEMENT

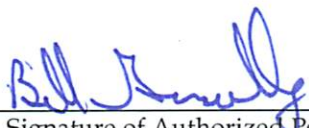
Pricing detailed in Table 2, is valid for one (1) year from the date of the Proposal should Williamson County contract with Armstrong for these services. All services proposed will be provided as the proposed cost(s) at any time those services are performed for all case work submitted within the agreement period of one (1) year. That is, should testimony on a case that was originally analyzed in the 2019 proposal period, Armstrong will perform that service at the agreed rate. Armstrong reserves the right to initiate negotiations related to any proposed service or fee for work to be submitted after the end of the 2019 agreement period.

As a standard business policy, Armstrong's General Terms and Conditions effective at the time services are performed for Williamson County, will be incorporated into this proposal and any services provided by Armstrong by reference. A copy of Armstrong's General Terms and Conditions is available on request.

4.1 PROPOSAL ACCEPTANCE

This proposal is accepted and forms an agreement between Williamson County and Armstrong Forensic Laboratory, Inc.


For Williamson County:



Signature of Authorized Personnel

Bill Gravell Jr.

Please Print Name




Date

County Judge

Title

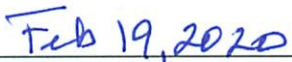
For Armstrong Forensic Laboratory, Inc.:



Benjamin Armstrong

President

Title



Date

Attachment A
**Copies of Accreditations, Certifications,
Licenses and Registrations**

- A-1: ANAB Certificate of Accreditation
and Certificate of Scope of Accreditation
- A-2: TxFSC Crime Lab Accreditation
- A-3: U.S. DOJ DEA Controlled Substance Registration Certificate

Attachment A-1: ANAB Certificate of Accreditation and Certificate of Scope of Accreditation



CERTIFICATE OF ACCREDITATION

ANSI-ASQ National Accreditation Board
2000 Regency Parkway, Suite 430, Cary, NC 27518

This is to certify that

Armstrong Forensic Laboratory, Inc.

has been assessed by ANAB
and meets the requirements of

ISO/IEC 17025:2005

**ASCLD/LAB-International Supplemental Requirements
for Forensic Science Testing Laboratories:2011**

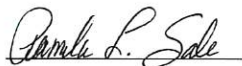
while demonstrating technical competence in the field of

FORENSIC SCIENCE TESTING

Refer to the accompanying Scope of Accreditation for information
regarding the types of tests to which this accreditation applies

Certificate Number: ALI-037-T

Valid to: 06/30/2021



Pamela L. Sale
Vice President, Forensics



Attachment A-1: ANAB Certificate of Accreditation and Certificate of Scope of Accreditation



SCOPE OF ACCREDITATION TO:
ISO/IEC 17025:2005
ASCLD/LAB-International Supplemental Requirements
for Forensic Science Testing Laboratories:2011

Armstrong Forensic Laboratory, Inc.
330 Loch'n Green Trail
Arlington, Texas 76012

FORENSIC SCIENCE TESTING

Valid to: June 30, 2021

Certificate Number: ALI-037-T

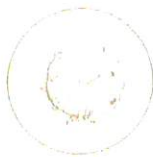
Discipline(s)	Categories of Testing
1.0 Drug Chemistry	1.1 Controlled Substances 1.2 Quantitative Analysis 1.3 General Chemical Testing
2.0 Toxicology	2.1 Human Performance Forensic Toxicology (blood alcohol only)
4.0 Trace Evidence	4.1 Paint 4.3 Fiber and Textiles 4.10 Fire Debris 4.15 General Physical and Chemical Analysis

A handwritten signature in black ink that reads "Pamela L. Sale".

Pamela L. Sale
Vice President, Forensics



Attachment A-2: TxFSC Crime Lab Accreditation



TEXAS FORENSIC
SCIENCE COMMISSION
Justice Through Science
1700 North Congress Ave., Suite 445
Austin, Texas 78701

January 20, 2018

Armstrong Forensic Laboratory, Inc.
Dr. Andrew T. Armstrong
330 Loch'n Green Trail
Arlington, Texas 76012

RE: Renewal application for Texas Forensic Science Commission Accreditation under Title 37, Texas Administrative Code, Chapter 651.

Dear Dr. Armstrong:

With some exceptions, the Texas Code of Criminal Procedure, Article 38.35, requires Texas Forensic Science Commission (FSC) accreditation as a predicate to the admission of the forensic analysis of physical evidence and expert testimony relating to the evidence in a criminal case.

As the designee of the Texas Forensic Science Commission Presiding Officer, I have considered your renewal application based on your national accreditation from ANAB and grant full FSC Accreditation to Armstrong Forensic Laboratory, Inc. for the following forensic disciplines:

Controlled Substances
Trace Evidence
Toxicology (limited to blood alcohol only)

The term of ANAB accreditation is from 05/26/2017 to 06/30/2021 unless they have extended their accreditation as part of a routine renewal process. The term of FSC accreditation is from 9/1/2015 until such time that the accreditation from ANAB is no longer current.

FSC accreditation is contingent upon compliance with Title 37, Texas Administrative Code, Chapter 651, including requirements of reporting correspondence, reports or communication between the laboratory and the accrediting body. FSC accreditation will be automatically rescinded at the same date and time as ANAB withdraws your laboratory accreditation.

Best regards.

Sincerely,

Leigh M. Savage

Leigh M. Savage
FSC Accreditation Program Administrator

**Attachment A-3: U.S. DOJ DEA
Controlled Substance Registration Certificate**

CONTROLLED SUBSTANCE REGISTRATION CERTIFICATE UNITED STATES DEPARTMENT OF JUSTICE DRUG ENFORCEMENT ADMINISTRATION WASHINGTON D.C. 20537		
DEA REGISTRATION NUMBER	THIS REGISTRATION EXPIRES	FEE PAID
RA0135295	06-30-2020	\$244
SCHEDULES	BUSINESS ACTIVITY	ISSUE DATE
1,2, 3,3N,4,5	ANALYTICAL LAB	05-10-2019
ARMSTRONG FORENSIC LAB 330 LOCHNGREEN TRL ARLINGTON, TX 76012-3458		

Form DEA-223 (9/2016)

Sections 304 and 1008 (21 USC 824 and 958) of the Controlled Substances Act of 1970, as amended, provide that the Attorney General may revoke or suspend a registration to manufacture, distribute, dispense, import or export a controlled substance.

THIS CERTIFICATE IS NOT TRANSFERABLE ON CHANGE OF OWNERSHIP, CONTROL, LOCATION, OR BUSINESS ACTIVITY, AND IT IS NOT VALID AFTER THE EXPIRATION DATE.

Attachment B
Client Specific Chain of Custody Example

330 Lock'n Green Trail Arlington, Texas 76012-3481 817.275.2691 (voice) 817.275.1883 (fax) www.AFLab.com

Forensic Recovery

Attachments

Attachment C
Client Specific Laboratory Report Examples



LABORATORY REPORT FOR CONTROLLED SUBSTANCE IDENTIFICATION

Evidence Released By:		Date Released:	XXXXX
Evidence Released To:	Armstrong Forensic Laboratory, Inc.	Date Received:	XXXXX
Contract:	XXXXX	Lab File No.:	B9FRXXXX
General Offense No.:	XXXXX	Date of Offense:	XXXXX
Defendant's Name:	XXXXX	No. of Items:	X
Submitted:	X Evidence Bags	Type of Items:	XXXXX

Laboratory ID	Agency Item	Analysis Requested	Evidence Description
B9-XXXXA-001A	XXXXX	Controlled Substances	XXXXX

Lab Number: B9-XXXXA-001A		Type: XXX	Weight of evidence on receipt:	X.XX ± X.XX grams	
			Weight of evidence at completed analysis:	X.XX ± X.XX grams	
Requested Analysis	Results	Identification per Texas CSA	Method of Analysis	Analytical Technique	Date of Analysis
Controlled Substance	Positive	XXX	FTIR	Cat A	XX/XX/XX
	Positive	XXX	GC/MS	Cat B/Cat A	XX/XX/XX

Karen M. Deiss, BS Senior Analyst Texas Forensic Analyst License #0000010 ANAB, Certificate ALI-037-T	Date	Kelly L. Wouters, PhD Laboratory Director Fellow, American Board of Criminalistics Texas Forensic Analyst License #0000008	Date
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Evaluations for drugs of abuse are done by High Resolution Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS) and Attenuated Total Reflectance-Fourier Transform Infrared Spectroscopy (ATR-FTIR) against a defined target analyte list (TAL). The analyses may detect other compounds of interest; these compounds will be reported. This combination of analytical techniques will detect and identify a broad range of drugs of abuse. They will not, however, detect all controlled substances. The uncertainty values reported represent an expanded uncertainty estimate at the 95.45% level of confidence.

Armstrong Forensic Laboratory, Inc. (Armstrong) is accredited through ANAB and the Texas Forensic Science Commission for criminal casework in the disciplines of Controlled Substances; Toxicology in the category of Blood Alcohol; and Trace Evidence in the categories of Paint, Fibers & Textiles, Fire Debris, and General Physical & Chemical Analysis. Unless noted otherwise, all work performed on this case was in accordance with these requirements and Armstrong's standard operating procedures.



LABORATORY REPORT FOR BLOOD ALCOHOL ANALYSIS

Evidence Released By:	Lab File No: B9FRXXXX
Evidence Released To: Armstrong Forensic Laboratory, Inc.	Date Received: XXXXX
Report Number: XXXXX	Date of Offense: XXXXX
Defendant's Name/DOB: XXXXX	Submitted: XXXXX

Laboratory ID	Agency Item	Analysis Requested	Evidence Description
B9 -XXXXA-002		Blood Alcohol Concentration	Whole Blood

Date of Analysis:		
Requested Analysis	Results	Units
Blood Alcohol Concentration (BAC)	\pm UM	grams of ethyl alcohol/100 milliliters of whole blood

Alexandra E. Easley, PhD Senior Analyst Texas Forensic Analyst License #0001414 ANAB, Certificate ALI-037-T	Date	Kelly L. Wouters, PhD Laboratory Director Texas Forensic Analyst License #0000008 Fellow, American Board of Criminalistics	Date
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Evaluations for ethyl alcohol are done by heated dual column head-space gas chromatography in duplicate. Quantitative results are reported as Result +/- Uncertainty of Measurement (UM). The ethyl alcohol results are reported at a coverage probability 99.73%.

Armstrong Forensic Laboratory, Inc. (Armstrong) is accredited through ANAB and the Texas Forensic Science Commission for criminal casework in the disciplines of Controlled Substances; Toxicology in the category of Blood Alcohol; and Trace Evidence in the categories of Paint, Fibers & Textiles, Fire Debris, and General Physical & Chemical Analysis. Unless noted otherwise, all work performed on this case was in accordance with these requirements and Armstrong's standard operating procedures.



LABORATORY REPORT FOR THC IDENTIFICATION AND CONCENTRATION

Evidence Released By:	Date Received: XX/XX/XX
Evidence Released To: Armstrong Forensic Laboratory, Inc.	Lab File No: B9FRXXXX
PD Report Number: XXXXX	Date of Offense: XX/XX/XX
Defendant's Name/DOB:	No. of Items: X
Submitted: X Evidence Bags	Type of Items: XXXXX

Laboratory ID	Agency Item	Analysis Requested	Evidence Description
B9-XXXX-001A	XXXXX	Controlled Substance and Concentration	XXXXX

Lab Number:	B9-XXXXA-001A	Type: XXX	Weight of evidence on receipt:	X.XX ounces \pm X.XX ounce	
			Weight of evidence at completed analysis:	X.XX ounces \pm X.XX ounce	
Requested Analysis	Results	Identification	Method of Analysis	Analytical Technique	Date of Analysis
Controlled Substance	Positive	Cannabis spp.	Macroscopical Examination	Cat. B	XX/XX/XX
	Positive	Cannabis spp.	Microscopical Examination	Cat. B	XX/XX/XX
Concentration	16.0% \pm 1.3%	delta-9 Tetrahydrocannabinol	Dual Column GC-FID	Cat. B/Cat. B	XX/XX/XX

Andrew T. Armstrong, PhD Certified Professional Chemist, AIC Fellow, American Academy of Forensic Sciences Texas Forensic Analyst License #0000011 ANAB, Certificate ALI-037-T	Date
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Evaluations for drugs of abuse are done by High Resolution Capillary Column Gas Chromatography/Mass Spectrometry (GC/MS), Gas Chromatography-Flame Ionization Detector (GC-FID) and/or Attenuated Total Reflectance-Fourier Transform Infrared Spectroscopy (ATR-FTIR) against a defined target analyte list (TAL). This combination of analytical techniques will detect and identify a broad range of drugs of abuse. They will not, however, detect all controlled substances. The uncertainty values reported represent an expanded uncertainty estimate at the 95.45% level of confidence.

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