



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

**Preliminary Assessment
Resulting in a
Decision Statement
for an
Identified Illegal Drug Laboratory
at
2132 South Victor Street, Unit C
Aurora, CO 80014**

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May 10, 2010

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EXECUTIVE SUMMARY

On Tuesday, April 13, 2010, personnel from Forensic Applications Consulting Technologies, Inc. (FACTs) were contracted to perform a standard cursory evaluation for the presence of indoor moulds and methamphetamine at Unit C of 2132 S. Victor Street in Aurora, Colorado (the subject property).

FACTs issued a report of our cursory findings on April 18, 2010, which is included on the DVD with this discussion.

Samples for methamphetamine taken during the cursory evaluation conclusively demonstrated the presence of methamphetamine at concentrations greater than regulatory concern and, pursuant to CRS §25-18.5-101(2.7), the residence and all remaining personal items therein met the definition of an “illegal drug laboratory.”

On April 23, 2010, personnel from FACTs performed a State mandated Preliminary Assessment pursuant to Colorado Regulation 6 CCR 1014-43, Part 4. Based on the totality of the circumstances, FACTs makes the following observations:

- Due to the nature and distribution of residual methamphetamine at the subject property, this document serves as both the Preliminary Assessment¹ and the Final Report of verification sampling resulting in a Decision Statement.²
- An illegal drug lab, as that term is defined in CRS §25-18.5-101 (2.7), existed at the subject property at the time of our April 13, 2010 evaluation.
- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the property at the time of our April 13, 2010 evaluation.
- Pursuant to the state-of-knowledge toxicological risk models developed by the State of Colorado,³ the concentrations of methamphetamine at the subject property were not sufficiently elevated to be considered a “contaminant” as that term is defined in 6 CCR 1014-3 (§3).
- Pursuant to 6 CCR 1014-3 (Mandatory Appendix A) FACTs hereby issues, by virtue of this document, a *Decision Statement*⁴ affirming that:

¹ The Colorado State Board Of Health Regulations Pertaining to the Cleanup of Methamphetamine Laboratories, 6-CCR 1014-3 (§4)

² Ibid. (§8)

³ Hammon T, Griffin S, *Support For Selection Of A Cleanup Level For Methamphetamine At Clandestine Drug Laboratories*, Colorado Department of Public Health and Environment, February 2005

⁴ 6-CCR 1014-3, Appendix A: If, based on the totality of the circumstances, the consultant finds that insufficient evidence exists to support the hypothesis that any given area is non-compliant, that area shall



- a. The initial hypothesis was rejected and the initial null hypothesis was accepted (sufficient evidence existed to confirm the presence of methamphetamine).
 - b. Upon the performance of the required *Preliminary Assessment*, the second hypothesis was sequentially tested, and no support was found; the null hypothesis was accepted (the presence of trace amounts of methamphetamine notwithstanding), the property was found to be compliant.
- Pursuant to this *Decision Statement*, FACTs recommends to the Governing Body that the property be released for immediate occupancy: no harmful chemical residues were found at concentrations above the regulatory thresholds or that may present an immediate or long-term threat to human health and/or the environment.

Although not required by regulation, FACTs recommends that the carpets be cleaned and then removed completely. The carpets may yet contain uncharacterized levels of methamphetamine, precursors or other contaminants. If the carpets are removed without preparation, the removal process may re-entrain elevated levels of methamphetamine. By cleaning the carpets, the water soluble methamphetamine hydrochloride will be safely removed, and then the carpets can be removed without concerns about re-entrainment or additional human exposures. FACTs places no restrictions or recommendations on how or by whom the carpet cleaning may be performed (that is, the cleaning can be performed by anyone, private or commercial).

BACKGROUND

On Tuesday, April 13, 2010, FACTs visited the subject property to perform a cursory industrial hygiene evaluation for the presence of indoor moulds and methamphetamine. The data quality objectives of the methamphetamine evaluation were not to determine representative concentrations, nor to characterize degree and/or extent of any extant contamination, but rather to merely provide a “Yes” or “No” answer to the question: “Is methamphetamine present at the property?”

During the April 13, 2010 evaluation, one five part composite sample was collected from five locations at the residence. The reportable limit during the evaluation was set at the lowest regulatory limit for methamphetamine in Colorado, namely 0.1 µg/100cm². The composite sample conclusively confirmed the presence of methamphetamine at the property at a concentration greater than the reportable limit.⁵ Based on the information thus gained, the property was “discovered” and on April 18, 2010, the Property Owner was given “notice” as those terms are found in CRS §25-18.5-103. As a result of the

be deemed to be compliant with section 25-18.5-103 (2), C.R.S., and shall be released. If objective sampling data indicates contamination is less than the cleanup level, that data may be used as *prima facie* evidence that insufficient evidence exists to support the hypothesis that any given area is non-compliant.

⁵ The composite sample had a methamphetamine concentration of 0.63 µg/100cm²



cursory evaluation, a Preliminary Assessment was required, and is presented here. On April 23, 2010, FACTs performed the on-site portion of the Preliminary Assessment.

REGULATORY REQUIREMENTS

Federal Requirements

All work associated with this Preliminary Assessment was performed in a manner consistent with regulations promulgated by the Federal Occupational Safety and Health Administration (OSHA).

State Requirements

According to Colorado State Regulation 6-CCR 1014-3, following the “discovery” and “notification” of an illegal drug laboratory, as those terms are used in CRS §25-18.5-103, a “Preliminary Assessment” of the property must be conducted. The Preliminary Assessment must be conducted according to specified requirements⁶ by an authorized Industrial Hygienist as that term is defined in CRS §24-30-1402.

PRELIMINARY ASSESSMENT

Pursuant to State regulations, during the Preliminary Assessment, the initial hypothesis is made that the subject area is clean and data is collected to find support for this hypothesis. Any reliable data that disproves the hypothesis, including police records, visual clues of illegal production, any evidence of storage or use, or documentation of drug paraphernalia being present, *is considered conclusive*, and compels the Industrial Hygienist to accept the null hypothesis and declare the area non-compliant.⁷ The strength of evidence needed to reject the hypothesis is low, and is only that which would lead a reasonable person, trained in aspects of meth laboratories, to conclude the *presence* of methamphetamine, and/or its precursors as related to processing, drug use, storage, or waste products.

Sampling during a Preliminary Assessment is not required. However, if performed it is conducted in the areas with the highest probability of containing the highest possible concentrations of contaminants. According to the State regulations:⁸

Identification and documentation of areas of contamination. This identification may be based on visual observation, law enforcement reports, proximity to chemical storage areas, waste disposal areas, or cooking areas, or based on professional judgment of the consultant; or the consultant may determine that assessment sampling is necessary to verify the presence or absence of contamination.

Pursuant to the regulations, information obtained during the Preliminary Assessment and those findings enter the public domain, and are not subject to confidentiality.⁹

⁶ Section 4 of 6 CCR 1014-3

⁷ Appendix A (mandatory) of 6 CCR 1014-3

⁸ Section 4.6 of 6 CCR 1014-3

⁹ Section 8.26 of 6 CCR 1014-3






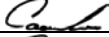

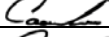
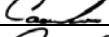


If the Industrial Hygienist performing the assessment finds *evidence* of contamination, and no Decision Statement is issued, the property owner is required to either remediate the property or demolish the property.¹⁰

Normally, after the preliminary assessment is issued, the subject property is remediated, and an Industrial Hygienist must perform verification sampling to quantify the remaining contamination or verify that the remediation has reduced the contamination in the property to below statutory limits. If, based on the totality of the circumstances, the Industrial Hygienist fails to find sufficient evidence to support the second hypothesis that any given area is non-compliant, that area must be deemed to be compliant and a Decision Statement must be issued, releasing the property. If objective sampling data indicates contamination is below the cleanup levels, those data may be used as *prima facie* evidence that insufficient evidence exists to support the hypothesis that any given area is non-compliant.¹¹ In this case, the Preliminary Assessment lead directly to the issuing of a Decision Statement without the need for any remediation.

The visual indicators FACTs observed at the property failed to carry sufficient weight to challenge the initial hypothesis to the extent that it could override the results of the samples gathered during the PA pursuant to regulatory requirements.

Elements of the Preliminary Assessment

Specific mandatory information must be presented as part of the complete documentation. This discussion, in its totality, contains the mandatory information for a Preliminary Assessment as follows:


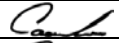
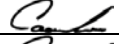
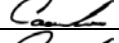
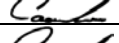
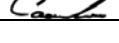
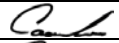
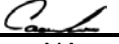
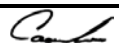
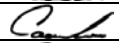
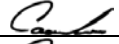
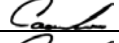
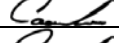


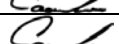

Mandatory Final Documents 6-CCR1014-3	DOCUMENTATION	Included
§8.1	Property description field form	
§8.2	Description of manufacturing methods and chemicals	
§8.3	Law Enforcement documentation review discussion	
§8.4	Description and Drawing of Storage area(s)	
§8.5	Description and Drawing of Waste area(s)	
§8.6	Description and Drawing of Cook area(s)	
§8.7	Field Observations field form	
	FACTs Functional space inventory field form	
§8.8	Plumbing inspection field form	
	FACTs ISDS field form	

**Table 1
Inventory of Mandatory Information**

¹⁰ Colorado Revised Statutes §25-18.5-103

¹¹ No guarantee is ever made or implied that the property is completely free of contamination. Rather, a reasonable, standardized approach to decontamination is executed.



§8.9	Contamination migration discussion	
§8.10	Identification of common ventilation systems	
§8.11	Description of the sampling procedures and QA/QC	
§8.12	Analytical Description and Laboratory QA/QC	
§8.13	Location and results of initial sampling with figure	
§8.14	FACTs health and safety procedures in accordance with OSHA	
§8.15	Contractor's description of decontamination procedures and each area that was decontaminated	NA
§8.16	Contractor's description of removal procedures each area where removal was conducted, and the materials removed	
§8.17	Contractor's description of encapsulation areas and materials	
§8.18	Contractor's description of waste management procedures	
§8.19	Drawing, location and results of final verification samples	
§8.20	FACTs Pre-remediation photographs and log	
§8.20	FACTs Post-remediation photographs and log	NA
§8.21	FACTs SOQ	
§8.22	Certification of procedures, results, and variations	
§8.23	Mandatory Certification Language	
§8.24	Signature Sheet	
NA	Analytical Laboratory Reports	
	FACTs final closeout inventory document	
	Analytical procedure	
§8.3	Available Law Enforcement documents	
NA	FACTs Field Sampling Forms	

**Table 1 (continued)
Inventory of Mandatory Information**

Included with this discussion is a read-only DVD. The digital disc contains mandatory information and photographs required by State regulation for a Preliminary Assessment and Decision Statement. Also included is all pertinent documentation associated with the assessment. This Preliminary Assessment is not complete without the DVD and all associated support documents.

Review of Law Enforcement Documentation

As part of the Preliminary Assessment, FACTs is required by regulation¹² to review available law enforcement documents pertinent to a subject property. During this project, the Aurora Police Department exhibited the highest level of professionalism and efficiency and cooperated fully with our Preliminary Assessment. The Aurora Police Department reported that there was no documentation available for the property vis-à-vis controlled substances. Members of APD were able to confirm that none of the calls with ambiguous terms in the call history involved illegitimately obtained controlled substances, however some of the suicide attempts may have involved legitimately

¹² 6 CCR 1014-3 (Section 4.2)



obtained controlled substances. None of our other sources were able to provide any additional information for the property. Therefore, based on the best information available, there are no records available pertinent to the objectives of this PA.

GOVERNING BODY

Based on the best information available, the agency listed below is the “Governing Body” as defined in CRS §25-18.5-101.

Brian Hlavacek
Tri-county Health
Commerce City Office
4201 E. 72nd Ave.
Commerce City, CO 80022

FACTs will provide a copy of this report to the Governing Body on behalf of the Registered Property Owner pursuant to 6 CCR 1014-3 (§8.26).

VISUAL INSPECTION OF THE PROPERTY

As part of our Preliminary Assessment, on April 23, 2010, personnel from FACTs performed a visual inspection of the subject property. Pursuant to regulatory requirements, the subject property was assigned into “functional spaces,” and an indicia inventory and assessment was performed for each functional space.

Upon our Tuesday, April 13, 2010 arrival and again upon our April 23, 2010 arrival, we found the property secured, unoccupied and virtually emptied of all chattels and furniture.

In the photograph below, we have presented the general layout of the structure and surrounding features.





Photograph 1
General Building Layout
(Subject property indicated by the white arrow)

Functional Space Summary

During a Preliminary Assessment, the Industrial Hygienist is required to divide the study area into “functional spaces” and evaluate the potential for contamination in each area. The idea is to segment a property into specific spaces which may present different potentials for contamination, based on the anticipated use, or function conducted in that area. Thus, functions of bedrooms and bathrooms may differ, kitchens and living rooms may be different, etc., and a building is divided into such areas based solely on professional judgment. A drawing depicting the Functional Spaces for this property is included in the body of this assessment and the spaces have been summarized in the table below:

Functional Space	Functional space
1	Kitchen, living room, foyer and stairs
2	Back hallway, laundry area and furnace room
3	Downstairs bedroom and closet
4	Downstairs bathroom
5	Loft
6	Upstairs bedroom
7	Master bathroom, bathroom closet and toilet room
8	Attic
9	Ventilation system
10	Area under the stairs

Table 2
Functional Space Summary



General Building Overview

The subject property is a 1979 slab-on-grade multifamily structure. Unit “C,” the subject property, is on the southern half of the structure and is bounded by two adjoining residences. Although the Arapaho County Assessor’s Office lists the property as having 1,392 square feet of floor space, FACTs determined approximately 936 square feet of floor space, and we have used this figure for the purposes of developing the sampling scheme. The discrepancy is of no consequence from a regulatory perspective.

The structure is apparently a timber-framed structure with a self contained forced air heating system. A gabled roof results in an attic that appears to be bound by firewalls.

Functional Space 1: Kitchen, Foyer, Living Room and Stairs

This space is the large open area as one enters the structure. It is delineated by the walls that commonly delineate these rooms as they are commonly known. The area has visual signs of extreme squalor (a visual indicator seen throughout this property). Yellow staining and, as described in our initial report, heavy ghosting is seen throughout the area. Various discarded prescription drugs were identified in this space.

The discreet sample collected from the kitchen ceiling fan in this functional space contained trace amounts of methamphetamine.

Functional Space 2: Back Hallway Assembly

This functional space consists of the contiguous areas of the back hall, namely the small open furnace closet, the laundry closet and the hallway that affords access to both.

The space contains signs of extreme squalor and neglect.

The discreet sample collected from the top of an exhaust flue in the furnace closet in this functional space did not contain methamphetamine at a concentration above the analytical detection limit.

Functional Space 3: Downstairs Bedroom and Closet

This space is delineated by the wall as the term is normally used. The room contained signs of extreme squalor, filth, possible feces on one wall and a suicide note bearing the name of K. Eskimos as the apparent author. The room had visible signs of heavy ghosting, and a considerable quantity of various prescription drugs strewn about.

The discreet sample collected from the closet shelf in this functional space contained trace amounts of methamphetamine.

Functional Space 4: Downstairs Bathroom

This space contained a number of inconclusive visual indicators consistent with methamphetamine use, including squalor, neglect and yellow-orange staining. However, the discreet sample collected from the medicine chest in this room was below the analytical detection method for methamphetamine.



Functional Space 5: Loft

The loft overhangs the living room; and is open along the east side of the same. It is contiguous with the upstairs bedroom, living room, stairs and upstairs bathroom.

A discreet sample was collected from the ceiling fan blades in this functional space which contained trace amounts of methamphetamine.

Functional Space 6: Upstairs Bedroom

This area is defined by the walls that delineate the space as the term is commonly known. The room contained several inconclusive visual indicators of methamphetamine abuse including extreme squalor and a variety of discarded prescription drugs. The room contained visible signs of heavy ghosting, and yellow staining.

We believe that no methamphetamine manufacturing was occurring at the property, however, we believe that methamphetamine was smoked predominantly in this room.

A discreet sample was collected from an area of ghosting in the southeast corner of the ceiling in this functional space which contained trace amounts of methamphetamine. The second highest concentration of methamphetamine observed was located in this room (0.3 µg/100 cm²).

Functional Space 7: Master Bathroom

This area is contiguous to the loft and the upstairs bedroom. The bathroom contains a large closet which was included in the functional space. Access to the attic is gained through the ceiling of the closet. The room contained visible signs of heavy ghosting, yellow staining on the walls and various stains on the carpet.

A pseudo-composite sample was collected from the collective tops of the four sets of door jambs in the room (two sides of the toilet room jamb, two sides of the closet room jamb, one side of the loft entrance and one side of the bedroom entrance). The sample did not contain concentrations of methamphetamine in concentrations above the analytical detection limit of the method.

Functional Space 8: Attic

The attic is the space delineated as the term is commonly known. The attic does not appear to be conducive to storage or occupancy. The gable ends of the attic consist of drywall which would somewhat limit the migration of contaminants to other spaces. We did not observe any indicators in the attic.

A discrete sample was collected from the top of the sewer relief stack in the attic. The sample contained trace quantities of methamphetamine.

Functional Space 9: Furnace

Although arguably not a functional space *per se*, a discreet wipe sample was collected from an interior furnace duct at the return air grille in the foyer. The sample was the



highest concentration of methamphetamine observed during the Preliminary Assessment (0.39 µg/100 cm²). The sample was approximately 50% undersampled due to the loose nature of the material in the duct.

In general, the furnace interior is filthy and although not specifically required by regulation, we recommend that the furnace system be cleaned by a professional duct cleaning firm.

Functional Space 10: Area under the stairs

As one enters the property, there is a cloakroom to the left. The back wall of the cloakroom contains an access panel which opens to an area under the stairs. The cloak room is included in this functional space.

This functional space contained signs of squalor and various prescription drugs had been discarded in this area.

Exterior Grounds

At the time of our assessment, the vegetation and groundcover was in its spring state, and we did not observe any overt signs of contaminant migration or waste disposal.

Contaminant Migration

Originally, we were concerned the subject property had a shared industrial ventilation system with common supplies and returns. On closer inspection, we determined that the ventilation system was exclusive to the subject property, and did not communicate with other residences by design.

Nevertheless, migration of contaminants through a structure is well known¹³ and, based on our best assessment, FACTs believes that some contamination migration may have occurred from the subject property into the adjoining units in the structure. It is our best assessment that the degree of migration would not result in surface residue levels of toxicological or regulatory concern. Nevertheless, it is possible that surface levels in excess of analytical detection limits may occur in other residences in the unit. As such, sampling performed pursuant to CRS §38-35.7-103(2)(a) during a real estate transaction, may trigger the requirement for a Preliminary Assessment in those properties. FACTs lacks the authority to perform sampling in the other units, but is required by regulation to determine the probability of contamination migration.

FACTs did not observe any conditions in the exterior grounds that would indicate that contamination migration occurred exterior of the building.

Due to the widespread diffuse nature of potential fugitive emissions, no drawing depicting the contamination routes can be prepared.

¹³ Rasmuson J, Hall D, Birkner AZ; Connell CP, Martyny J., *A Computational Fluid Dynamics (CFD) and Tracer Gas Comparison of the Spatial Distribution of an Airborne Contaminant in an Office Space as a Function of General Ventilation Conditions*, American Industrial Hygiene Assoc. Philadelphia (2007)



Sample Collection

We collected samples from the subject property in an effort to support the initial hypothesis (the residence was clean (compliant)), and, if applicable, and in conjunction with the findings of the visual assessment and law enforcement document review, to support the second hypothesis as well (that the area was not clean (noncompliant)). In other words, we simultaneously tested the two primary regulatory hypotheses.

Collected samples were submitted for analysis to Analytical Chemistry Inc. in Tukwila, Washington. ACI is one of the laboratories identified in State regulation 6-CCR 1014-3 as being proficient in performing methamphetamine analysis.

To protect against the introduction of contaminants into the subject property, the Industrial Hygienist and his Technician donned fresh Tyvek[®] suits upon entry into the property. All equipment brought into the subject property was staged outside at the front door. The ladder used during our assessment had been washed at a car wash prior to entering the building.

Wipe Samples

Wipe samples were collected in a manner consistent with State regulations for final verification sampling. The wipe sample medium was commercially available Safeway Brand pharmaceutical grade gauze. Each gauze material was assigned a lot number for quality assurance and quality control (QA/QC) purposes and recorded on a log of results. Each pad was moistened with reagent grade methyl alcohol. Each batch of alcohol was assigned a lot number for QA/QC purposes and recorded on a log of results.

Consistent with State Regulations and good sampling theory, the location of the samples was based on professional judgment. In this case, it was FACTs' Industrial Hygienist's professional judgment that authoritative biased sampling would be appropriate.

As such, during this project, the Industrial Hygienist selected those areas which had the highest probability of exhibiting the highest concentrations of contamination. Based on our experience, state of the art information on indoor methamphetamine migration patterns and professional judgment, FACTs selected specific locations throughout the structure in an attempt to represent the highest possible concentrations of methamphetamine.

Each sample area was then delineated with a measured outline, or in some cases, it was impossible to pre-measure the limits of the sample, and the sample was collected first and then the area was measured.

Due to the primary need for collection of samples from areas of highest contamination, the surfaces so selected are frequently convoluted and intricate surfaces. As such, the measured delineations are frequently the summation of several specific surface components.



Each wipe sample was collected by methodically wiping the entire surface of the selected area with moderate pressure; first in one direction and then in the opposite direction, folding the gauze to reveal fresh material as necessary. Each sample was returned to its centrifuge tube and capped with a screw-cap.

QA/QC Precautions

The sampling media were prepared in small batches in a clean environment (FACTs Corporate Offices). The sample media were inserted into individually identified disposable plastic centrifuge tubes with caps.

Field Blanks

For QA/QC purposes, and in accordance with state regulations, one field blank was randomly selected from the numbered batch, randomly inserted in the sampling sequence and submitted along with the samples for methamphetamine analysis. To ensure the integrity of the blanks, FACTs personnel were unaware, until the actual time of sampling, which specific sample would be submitted as a blank. To ensure the integrity of the blank, laboratory personnel were not informed which specific sample was a blank and all samples were submitted blind. The history of the FACTs field blank media has demonstrated a media and solvent contamination level below the analytical detection limit for the method. None of the blanks for this project contained measurable masses of methamphetamine.

Field Duplicates

For the purposes of the data quality objectives associated with this Preliminary Assessment, no duplicates were required, and none were collected.

Cross Contamination

Prior to the collection of each specific sample area, the Industrial Hygienist and/or his Technician donned fresh surgical gloves, to protect against the possibility of cross contamination.

Collection Rationale

Except where already noted, the samples collected throughout the subject property comprised of “discreet” samples. Discreet samples are collected at a single isolated location. In the following table, the “Decision Level” is that value below which the sample result would need to be to confirm compliance.



Sample Results

In the following table, the cursory samples are represented by the shaded entries.

Sample ID	Location	Area Sampled cm ²	Result µg/100cm ²	Decision Level	Decision Status
CM041310-01A	Kitchen ceiling fan	32	0.63	0.1	FAIL
CM041310-01B	Foyer return air grille				
CM041310-01C	Top of DS medicine chest				
CM041310-01D	Top of loft rail light				
CM041310-01E	Top of wood banister				
CM041310-01	Composite				
VM042310-1	Kitchen ceiling fan	546	0.10	0.5	PASS
VM042310-2	Furnace room top of exhaust stack	523	<0.01	0.5	PASS
VM042310-3	Downstairs Bedroom top of shelf in closet	532	0.02	0.5	PASS
VM042310-4	Field Blank	NA	BDL	0.03 µg	PASS
VM042310-5	Downstairs bathroom medicine chest shelves	610	<0.01	0.5	PASS
VM042310-6	Loft Ceiling fan blades	610	0.11	0.5	PASS
VM042310-7	Upstairs bedroom SE Corner at ghosting	523	0.30	0.5	PASS
VM042310-8	Upstairs bathroom top of door jambs	698	<0.01	0.1	PASS
VM042310-9	Attic top of plastic sewer vent stack	523	0.19	0.5	PASS
VM042310-10	Furnace interior return in foyer	523	0.39	0.5	PASS
VM042310-11	Under stairs vinyl floor	1045	<0.01	0.5	PASS

The symbol "<" indicates that methamphetamine was not detected at the detection limit expressed. BDL for the Field Blanks indicates "Below Detection Limit."

Table 3
Summary of Sample Results

In some cases, such as sample numbers VM042310-6 and VM042310-8, the calculations derived from the mass of methamphetamine reported in the laboratory report and the surface area reported in the field sampling form do not appear to equal the reported values. For these samples, in accordance with proper sampling techniques, a correction factor has been added to account for undersampling, thus increasing the reported value by the estimated material remaining on the surfaces.

Sample Locations

In the figures that follow, the sample locations from the Preliminary Assessment have been presented. The locations of the initial (cursory) samples are identified by an alpha character. The drawings are stylized and not to scale.



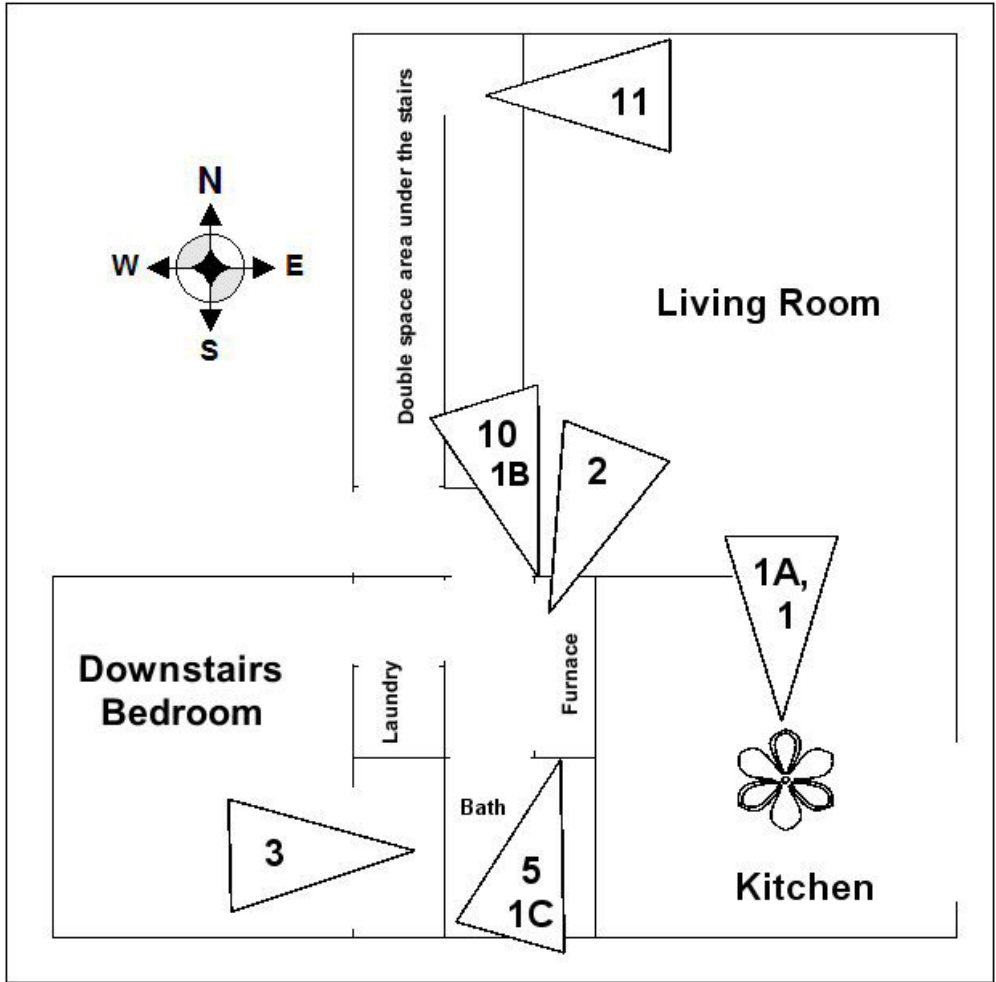


Figure 1
First Floor Sample Locations



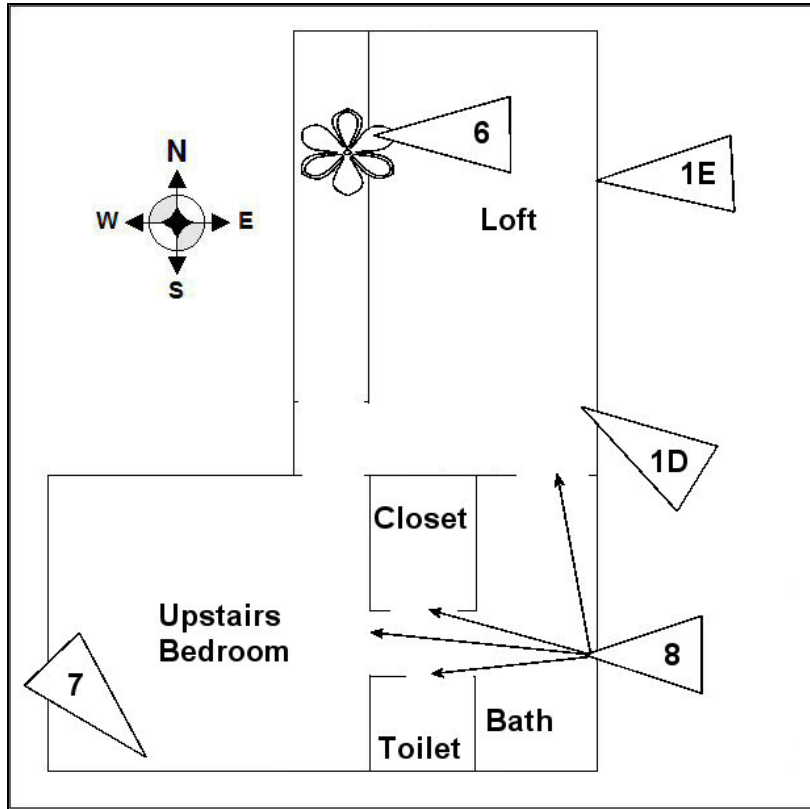


Figure 2
Upstairs Sampling Locations

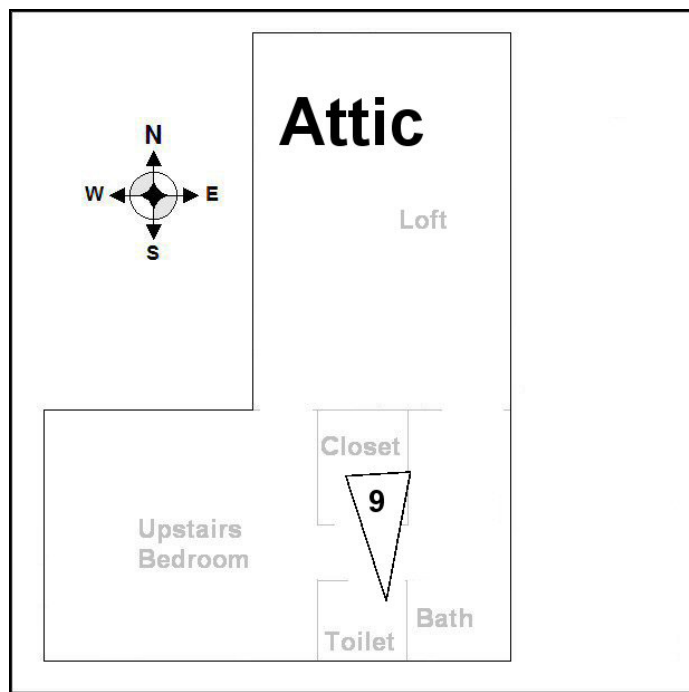


Figure 3
Attic Sampling Location



Quality Assurance/Quality Control

The following section is required by regulation and is not intended to be understood by the casual reader. All abbreviations are standard laboratory use.

MDL was 0.004 µg; LOQ was 0.03 µg; MBX <MDL; LCS 4 µg (RPD <1%, recovery >99%); Matrix spike 0.020 µg (RPD 5%; recovery 105%); Matrix spike Dup 0.020 µg; (RPD <10%; recovery 110%); Surrogate recovery (all samples): High 107% (Sample 6), Low 98% (Sample 8); FACTs reagents: MeOH lot #A0901 <MDL for n=6; Gauze lot G1002 <MDL for n=3. The QA/QC indicate the data met the data quality objectives; and the results appear to be biased high (the samples probably contain less methamphetamine than reported).

CONCLUSIONS

Based on the totality of the circumstances, our subjective observations and objective data from sampling, and in strict adherence to State statutes and State regulations, FACTs concludes the following:

- An illegal drug lab, as that term is defined in CRS §25-18.5-101, existed at the subject property from before April 13, 2010.
- A Class 1 Public Nuisance, as defined in CRS §16-13-303(1) existed at the property from before April 13, 2010.
- Trace concentrations of methamphetamine were confirmed to be present at the property in isolated areas.
- The concentrations of methamphetamine in the subject property were not sufficiently elevated to be considered a “contaminant” as that term is defined in 6 CCR 1014-3 (§3).
- Final verification sampling indicates the property is compliant.
- FACTs hereby issues, by virtue of this document, a *Decision Statement* affirming that:
 - a. The initial hypothesis was rejected and the initial null hypothesis was accepted (sufficient evidence existed to confirm the presence of methamphetamine).
 - b. Upon the performance of the required *Preliminary Assessment* the second hypothesis was contemporaneously tested, and no support for the hypothesis was found; the null hypothesis was subsequently accepted (in the totality of the circumstances the property was found to be compliant).
- No harmful chemical residues were found at concentrations that may present an immediate or long-term threat to human health and/or the environment.



- Therefore, pursuant to this *Decision Statement*, the property is to be released for immediate occupancy without the need for any further action.

RECOMMENDATIONS

Mere presence of controlled substances does not indicate a potential for harm or adverse physiological effects. The general population daily encounters trace quantities of controlled substances on paper currency and in public structures. The concentrations of residue that remain at the property are not known to be toxicologically significant, however, we recommend due care during the scheduled renovation to reduce exposures as much as possible through proper dust suppression. We also recommend that the carpets be shampooed before removal to remove embedded contaminants that may otherwise become reintrained into the air.

To avail of the civil liability immunity provided by CRS §25-18.5-103(2) and to ensure complete compliance with State regulations, this Preliminary Assessment and Decision Statement must be submitted to the Governing Body with jurisdiction over the property. Based on the best information available, The Governing Body is:

Brian Hlavacek
Tri-county Health
Commerce City Office
4201 E. 72nd Ave.
Commerce City, CO 80022

FACTs will provide a copy of this report to the Governing Body on behalf of the Registered Owner pursuant to 6 CCR 1014-3 (§8.26).

Enclosures: One CD; Data package, and Appendices



APPENDIX A:

SUPPORTING DOCUMENTS



**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.
CLANDESTINE METHAMPHETAMINE LABORATORY
ASSESSMENT FIELD FORMS[©]**

FACTs project name: Victor St.	Form # ML1
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

PROPERTY DESCRIPTION:

Physical address	2132 South Victor Street, Unit C Aurora, CO 80014
Legal description or VIN	Neighborhood: Cobblestone At Heather Ridge Neighborhood Code: 0173 LOT 25 Block 1 Heather Ridge South Subdivision 9th Filing, Amended Parcel #: 1973-25-1-09-060
Registered Property Owner	Victoria E. Cullen 21 Meeting Lane Hicksville, NY 11801-6211
Number of structures	One
Type of Structures (Each affected structure will need a "Functional Space" inventory)	1: Primary Residence 1,392* Square feet <small>*As identified by the County Assessor</small>
Adjacent and/ or surrounding properties	1) North – Attached family residence <hr/> 2) South – Attached family residence <hr/> 3) East – Golf course <hr/> 4: West – Parking lot
General Property Observations	Poorly kempt and dirty family residence with some damage to walls, filth and squalor
Presumed Production Method	Smoking

PLUMBING INSPECTION AND INVENTORY

FACTs project name: Victor St.	Form # ML2
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Functional Space	Room	Fixture	Indicia?	Comments
4	Bathroom # 1	Shower	N	XXXXXXXXXXXXXXXXXXXX
4	Bathroom # 1	Sink 1	N	XXXXXXXXXXXXXXXXXXXX
4	Bathroom # 1	Toilet	N	XXXXXXXXXXXXXXXXXXXX
7	Bathroom # 2	Shower	Y	XXXXXXXXXXXXXXXXXXXX
7	Bathroom # 2	Sink 1	N	XXXXXXXXXXXXXXXXXXXX
7	Bathroom # 2	Toilet	Y	Staining
1	Kitchen	Dishwasher	Y	Yellow staining
1	Kitchen	Sink #1	N	Possible food stains
1	Kitchen	Sink #2	Y	XXXXXXXXXXXXXXXXXXXX
2	Laundry Room	Slop sink	NA	XXXXXXXXXXXXXXXXXXXX
2	Laundry Room	Washing machine	N	XXXXXXXXXXXXXXXXXXXX

NOTES:

Plumbing and/or fixture exhibited no evidence of corrosion or tampering.

VENTILATION INSPECTION AND INVENTORY

Item	Y/N	Indicia ?	Comments
Isolated AHU?	Y		XXXXXXXXXXXXXXXXXXXX
Common air intake?	N		XXXXXXXXXXXXXXXXXXXX
Common bathroom exhausts?	Y		Shared exhaust through attic
Forced air system?	Y		XXXXXXXXXXXXXXXXXXXX
Steam heat?	N		XXXXXXXXXXXXXXXXXXXX
Common ducts to other properties?	N		XXXXXXXXXXXXXXXXXXXX
Passive plena to other properties?	Y		XXXXXXXXXXXXXXXXXXXX
Active returns to other properties?	N		XXXXXXXXXXXXXXXXXXXX
Passive wall grilles to other properties?	N		XXXXXXXXXXXXXXXXXXXX
Industrial ventilation?	N		XXXXXXXXXXXXXXXXXXXX
Residential ventilation?	Y		XXXXXXXXXXXXXXXXXXXX
Pressurized structure?	N		XXXXXXXXXXXXXXXXXXXX



FUNCTIONAL SPACE INVENTORY

FACTs project name: Victor St.	Form # ML3
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Structure Number	Functional Space Number	Indicia (Y/N)	Describe the functional space (See drawings for delineating structural features)
1	1	Y	Kitchen, living room, foyer and stairs
1	2	Y	Back hallway, laundry area and furnace room
1	3	Y	Downstairs bedroom and closet
1	4	Y	Downstairs bathroom
1	5	Y	Loft
1	6	Y	Upstairs bedroom
1	7	Y	Master bathroom, bathroom closet and toilet room
1	8	Y	Attic
1	9	Y	Ventilation system
1	10	Y	Area under the stairs



LAW ENFORCEMENT DOCUMENTATION

FACTs project name: Victor St.	Form # ML4
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Inventory of Reviewed Documents	1: APD call history 2: Interview with APD Records Technician
Described method(s) of production	Smoking
Chemicals identified by the LEA as being present	None reported
Cooking areas identified	None
Chemical storage areas identified	Bathroom (indicators), DS Bedroom (indicators)
LE Observation on areas of contamination or waste disposal	None

Interview with APD Records Technician revealed that none of the calls, including the AOA calls involved hazardous materials or clandestine drug related calls.





FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

April 19, 2010

Arapahoe County Sheriff's Office
Arapahoe County Government
13101 Broncos Parkway
Centennial, CO 80112

Via Fax: 720-874-4158

To Whom It May Concern:

Forensic Applications, Inc. has been contracted to perform a "Preliminary Assessment" an identified illegal clandestine drug lab pursuant to Colorado Board Of Health Regulations 6-CCR-1014-3, and CRS §25-18.5-101 *et seq.* The property is located in the City of Aurora at:

2132 S. Victor Street, Unit C, Aurora, CO 80014

As you are aware, as part of that assessment, the Industrial Hygienist is required by regulation (6-CCR-1014-3 (§4.2)) to review available Law Enforcement documents associated with the property. Generally, we initially do not require copies of any documents; and, if preferable, we can visit the records offices and review available information there.

We would like to know if there is a call history regarding controlled substances at this address. If so, we would like to review any narratives regarding controlled substances or hazardous materials responses, or speak with any Law Enforcement personnel who may be familiar with the property. We are only interested in issues involving controlled substances or hazardous materials responses in the last five years. If no such records are available please let us know and we will merely make that notation in our report to the Tri-County Health Department.

We will be performing the on-site assessment on April 26, 2010, and will need to review any available documents before then. We apologize for the short notice, however, we generally do not have any control over the timeframes involved.

Forensic Applications takes extreme caution to protect all Law Enforcement Sensitive information. When requested by the Law Enforcement Agency, we do NOT reveal names, document identities, or include any information considered sensitive by an investigating agency. We have developed a close working relationship with Law Enforcement, and we value and respect that open line of communication. I have included my SOQ. Please feel free to call me directly with any comments or questions. If there are fees associated with this request, please invoice us directly.

Pursuant to CRS §24-72-305.5, I affirm that upon receipt of requested records of official actions and/or criminal justice records from the Arapahoe County Sheriff's Office, such records shall not be used for the direct solicitation of business for pecuniary gain.

Sincerely,

Caoimhín P. Connell
Forensic Industrial Hygienist



FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.

April 19, 2010

Records
Aurora Police Department
15001 East Alameda Ave.
Aurora CO 80012

Via Fax: 303-739-6310

To Whom It May Concern:

Forensic Applications, Inc. has been contracted to perform a "Preliminary Assessment" on an identified illegal clandestine drug lab pursuant to Colorado Board Of Health Regulations 6-CCR-1014-3, and CRS §25-18.5-101 *et seq.* The property is located in the City of Aurora at:

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Pursuant to CRS §24-72-305.5, I affirm that upon receipt of requested records of official actions and/or criminal justice records from the Aurora Police Department, such records shall not be used for the direct solicitation of business for pecuniary gain.

Sincerely,

Caoimhín P. Connell
Forensic Industrial Hygienist

Page: 1
For: TKIRTON

AURORA POLICE DEPARTMENT
ADDRESS HARDCOPY

Tue, Apr. 20 2010

Address : C - 2132 S VICTOR ST AURORA

Related Records

Type/Number	Date	Description
GO 2003-54885	Nov-12-2003	950 - 0 ATTEMPT SUICIDE
GO 2006-31263	Jul-02-2006	2204 - 0 BURGLARY NO FORCE ENTRY R
GO 2006-48600	Oct-14-2006	9015 - 0 WELFARE CHECK
GO 2008-6291	Feb-09-2008	950 - 0 ATTEMPT SUICIDE
GO 2008-7745	Feb-18-2008	5599 - 0 MENTAL HEALTH
GO 2008-28419	Jun-29-2008	2202 - 0 BURGLARY FORCED ENTRY RES
GO 2008-33240	Jul-31-2008	5599 - 0 MENTAL HEALTH
GO 2008-35914	Aug-20-2008	5599 - 0 MENTAL HEALTH
GO 2008-43356	Oct-10-2008	9015 - 0 WELFARE CHECK
GO 2009-51182	Dec-21-2009	2202 - 0 BURGLARY FORCED ENTRY RES
CP 2002-260324	Dec-25-2002	OVDLOSE
CP 2003-227602	Nov-01-2003	CHECK WELFARE
CP 2003-235792	Nov-12-2003	OVDLOSE
CP 2003-261536	Dec-19-2003	E911 ← Follow up
CP 2004-89050	Apr-27-2004	OVDLOSE
CP 2006-39225	Feb-20-2006	CHECK WELFARE
CP 2003-217309	Oct-17-2003	CHECK WELFARE
CP 2005-188742	Aug-24-2005	CHECK WELFARE
CP 2004-142214	Jul-06-2004	OVDLOSE
CP 2005-94184	May-02-2005	OVDLOSE
CP 2005-94188	May-02-2005	OVDLOSE
CP 2005-94660	May-02-2005	CHECK WELFARE
CP 2005-56529	Mar-14-2005	CHECK WELFARE
CP 2005-238079	Oct-24-2005	MENTAL/EMOTIONAL PROBLEM
CP 2006-150553	Jul-02-2006	BURGLARY-COLD
CP 2006-206991	Sep-04-2006	OVDLOSE
CP 2006-239592	Oct-14-2006	CHECK WELFARE
CP 2006-251783	Oct-29-2006	CHECK WELFARE
CP 2006-252206	Oct-30-2006	OVDLOSE
CP 2008-6911	Jan-09-2008	CHECK WELFARE
CP 2008-25644	Jan-30-2008	CHECK WELFARE
CP 2008-28852	Feb-02-2008	ATTEMPT SUICIDE
CP 2008-34478	Feb-09-2008	CHECK WELFARE
CP 2008-42345	Feb-18-2008	FIRE ASSIST ← Follow up
CP 2008-89345	Apr-10-2008	CHECK WELFARE
CP 2008-91326	Apr-12-2008	CHECK WELFARE
CP 2008-131652	May-27-2008	CHECK WELFARE
CP 2008-144536	Jun-11-2008	CHECK WELFARE
CP 2008-150907	Jun-19-2008	SUSPICIOUS OCCURENCE ← Check
CP 2008-159473	Jun-29-2008	BURGLARY ALL
CP 2008-185512	Jul-29-2008	CHECK WELFARE
CP 2008-187754	Jul-31-2008	CHECK WELFARE

Continued ...



Page: 2
For: TKIRTON

AURORA POLICE DEPARTMENT
ADDRESS HARDCOPY

Tue, Apr. 20 2010

CP 2008-204005	Aug-20-2008	CHECK WELFARE	
CP 2008-242095	Oct-04-2008	CHECK WELFARE	
CP 2008-244460	Oct-07-2008	CHECK WELFARE	
CP 2009-160646	Jun-18-2009	CHECK WELFARE	
CP 2009-186363	Jul-11-2009	CHECK WELFARE	
CP 2009-192420	Jul-17-2009	FIRE ASSIST	← Check
CP 2009-199032	Jul-23-2009	E911	← " "
CP 2009-255681	Sep-12-2009	CHECK WELFARE	
CP 2009-281136	Oct-07-2009	CHECK WELFARE	
CP 2009-296374	Oct-21-2009	CHECK WELFARE	
CP 2009-322685	Nov-16-2009	OUTSIDE AGENCY ASSIST	← ? Check
CP 2009-357456	Dec-21-2009	BURGLARY-IN PROGRESS	
CP 2009-360174	Dec-23-2009	INFOPD	
CP 2009-365420	Dec-30-2009	FOLLOWUP	
CP 2010-26007	Jan-24-2010	CIVIL DISPUTES, ANIMAL, LOST/FOUND P	
CP 2010-38325	Feb-04-2010	E911	
CP 2010-38330	Feb-04-2010	FIRE ASSIST	} ← Check
CP 2010-53840	Feb-18-2010	CHECK WELFARE	
CP 2010-65064	Mar-01-2010	CHECK WELFARE	
CP 2010-66228	Mar-02-2010	FIRE ASSIST	
PR 0631263	Jul-02-2006	LOST/STOLEN	
PR 0825685	Jun-11-2008	LOST/STOLEN	
PR 0951182	Dec-21-2009	LOST/STOLEN	

** END OF HARDCOPY REPORT **



FIELD OBSERVATIONS

FACTs project name: Victor St.	Form # ML5
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Indicator	Functional Space	Indicator	Functional Space
Acids	No Comment	Iodine	No Comment
Aerosol cans	No Comment	Kitty litter	No Comment
Alcohols	No Comment	Lead	No Comment
Ammonia	No Comment	Lithium	No Comment
Ammunition	No Comment	Match components	No Comment
Artistic expressions	1,3	Mercury	No Comment
Bags of salt	No Comment	Methamphetamine	1,2,3,5,6,8,9
Bases	No Comment	Modified coolers	No Comment
Basters/Pipettes	No Comment	Needles/Syringes	No Comment
Batteries	10①	OTCs	1,2,3,6,7,10
Bi-phasic wastes	No Comment	pH papers/indicators	No Comment
Booby traps	No Comment	Phenyl-2-propanone	No Comment
Bullet holes	No Comment	Pornography, Sex toys	No Comment
Burn marks	1,3	Prescription drugs	1,2,3,6,7
Chemical storage	No Comment	Presence of cats	No Comment
Colored wastes	No Comment	Pseudoephedrine	No Comment
Corrosion on surfaces	No Comment	Red P	No Comment
Delaminating paint	1	Red Staining	1,3,4,6,7
Drug paraphernalia	No Comment	Security devices	No Comment
OTC Containers	No Comment	Smoke detectors disabled	No Comment
Ephedrine	No Comment	Solvents - ketones, etc	No Comment
Electrical modifications	No Comment	Solvents -aromatics	No Comment
Faeces	3	Squalor	1,2,3,4,6,7
Filters	No Comment	Staining on floors	1,3,6,7
Forced entry marks	No Comment	Staining on walls or ceiling	1,3,4,6,7
Gang markings	No Comment	Staining on floors	1,3,6,7,10
Gas cylinders	No Comment	Structural damage/modifications	1,10
Gerry cans	No Comment	Urine containers	No Comment
Glassware	No Comment	Weapons	No Comment
Graffiti	No Comment	Window block material	No Comment
Heating mantle	No Comment	Yellow staining	1,3,6,7
Heet or similar	No Comment	Hydrogen peroxide	No Comment

Notes

- ① Present but not as indicia
- ② Copious or unusual quantities
- ③ Present in normal household expectations
- ④ Modified in manner consistent with clanlab use



INDIVIDUAL SEWAGE DISPOSAL SYSTEM FIELD FORM

FACTs project name: Victor St.	Form # ML7
Date: April 23, 2010	
Reporting IH:	Caoimhín P. Connell, Forensic IH

	Yes	No	N/C-NA
Does the property have an ISDS		X	
Is there unusual staining around internal drains		X	
Are solvent odors present from the internal drains		X	
Is there evidence of wastes being disposed down internal drains		X	
Was the septic tank lid(s) accessible	NA		
Was the leach field line accessible			
Was the septic tank or leach field lines opened			
Are solvent odors present from the leach field lines (if "yes" see below)			
Are solvent odors present from the septic tank (if "yes" see below)			
Is "slick" present in the septic tank			
Are biphasic (aqueous-organic) layers present in the septic tank			
Was pH measured in the septic tank (pH =7 to 8)			
Were organic vapors measured in the septic tank (if "yes" see below)			
Is sampling of the ISDS warranted			
Were calawasi/drum thief samples collected from the septic tank			

*NC = Not checked

Qualitative Organic Vapor Monitoring

Hydrocarbon detector model	EnMet Target Series, MOS detector
NA	

Location	MOS*	PID*	FID*
NA			

*Units of measurement are in parts per million equivalents compared to the calibration vapor.

Notes



PRE-REMEDATION PHOTOGRAPH LOG SHEET

FACTs project name: Victor St.	Form # ML8
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Name ^	Date taken	Name ^	Date taken
Attic	4/23/2010 14:24	DS Bed (3)	4/23/2010 14:37
Attic (2)	4/23/2010 14:21	DS Bed (4)	4/23/2010 14:36
Attic (3)	4/23/2010 14:21	DS Bed (5)	4/23/2010 14:36
Attic (4)	4/23/2010 14:19	DS Bed (6)	4/23/2010 14:36
Attic (5)	4/23/2010 14:18	DS Bed (7)	4/23/2010 14:36
Attic (6)	4/23/2010 14:18	DS Bed (8)	4/23/2010 14:35
Attic (7)	4/23/2010 14:18	DS Bed (9)	4/23/2010 14:35
Attic (8)	4/23/2010 14:18	DS Bed (10)	4/23/2010 14:35
Attic (9)	4/23/2010 14:18	DS Bedroom	4/23/2010 15:24
Attic (10)	4/23/2010 14:18	DS Bedroom (2)	4/23/2010 15:22
Attic (11)	4/23/2010 14:18	DS Bedroom (3)	4/23/2010 15:22
Attic (12)	4/23/2010 14:18	DS Bedroom (4)	4/23/2010 15:21
Attic (13)	4/23/2010 14:18	DS Bedroom (5)	4/23/2010 15:21
Back hall	4/23/2010 14:11	DS Bedroom (6)	4/23/2010 14:38
Bathroom	4/23/2010 15:32	DS Bedroom (7)	4/23/2010 14:35
Bathroom (2)	4/23/2010 15:31	DS Bedroom (8)	4/23/2010 14:11
Bathroom (3)	4/23/2010 15:31	Exterior	4/23/2010 14:09
Bathroom (4)	4/23/2010 15:31	Exterior (2)	4/23/2010 14:09
DS Bathroom	4/23/2010 14:34	Exterior (3)	4/23/2010 14:09
DS Bathroom (2)	4/23/2010 14:34	Exterior (4)	4/23/2010 14:10
DS Bathroom (3)	4/23/2010 14:33	Exterior (5)	4/23/2010 15:45
DS Bathroom (4)	4/23/2010 14:33	Exterior (6)	4/23/2010 15:59
DS Bathroom (5)	4/23/2010 14:33	Exterior (7)	4/23/2010 15:59
DS Bed	4/23/2010 15:52	Exterior (8)	4/23/2010 16:00
DS Bed (2)	4/23/2010 14:38	Exterior (9)	4/23/2010 16:00



PRE-REMEDATION PHOTOGRAPH LOG SHEET

FACTs project name: Victor St.	Form # ML8
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Name ^	Date taken	Name ^	Date taken
Exterior (10)	4/23/2010 15:45	Living room (2)	4/23/2010 14:33
Exterior (11)	4/23/2010 15:45	Living room (3)	4/23/2010 14:32
Exterior (12)	4/23/2010 15:45	Living room (4)	4/23/2010 14:31
Foyer	4/23/2010 15:52	Living room (5)	4/23/2010 14:31
Foyer (2)	4/23/2010 15:36	Living room (6)	4/23/2010 14:30
Foyer (3)	4/23/2010 15:36	Living room (7)	4/23/2010 14:30
Foyer (4)	4/23/2010 14:33	Living room (8)	4/23/2010 14:23
Foyer (5)	4/23/2010 14:30	Living room (9)	4/23/2010 14:10
Foyer (6)	4/23/2010 14:30	Loft	4/23/2010 14:32
Furnace	4/23/2010 15:33	Loft (2)	4/23/2010 14:30
Furnace (2)	4/23/2010 15:33	Loft (3)	4/23/2010 14:29
Furnace room	4/23/2010 15:16	Loft (4)	4/23/2010 14:23
Furnace room (2)	4/23/2010 15:16	Loft (5)	4/23/2010 14:23
Furnace room (3)	4/23/2010 15:16	Loft (6)	4/23/2010 14:22
Furnace room (4)	4/23/2010 14:11	Loft Fan	4/23/2010 15:00
Kitchen	4/23/2010 15:12	Loft Fan (2)	4/23/2010 15:00
Kitchen (2)	4/23/2010 15:12	Plumbing QA	4/23/2010 14:42
Kitchen (3)	4/23/2010 15:11	Plumbing QA (2)	4/23/2010 14:41
Kitchen (4)	4/23/2010 14:45	Plumbing QA (3)	4/23/2010 14:41
Kitchen (5)	4/23/2010 14:31	Plumbing QA (4)	4/23/2010 14:41
Kitchen (6)	4/23/2010 14:31	Plumbing QA (5)	4/23/2010 14:41
Kitchen (7)	4/23/2010 14:31	Plumbing QA (6)	4/23/2010 14:40
Kitchen (8)	4/23/2010 14:31	Plumbing QA (7)	4/23/2010 14:40
Laundry	4/23/2010 14:35	Plumbing QA (8)	4/23/2010 14:40
Living room	4/23/2010 14:40	Plumbing QA (9)	4/23/2010 14:39



PRE-REMEDIATION PHOTOGRAPH LOG SHEET

FACTs project name: Victor St.		Form # ML8
Date: April 23, 2010		
Reporting IH:	Caoimhin P. Connell, Forensic IH	

Name ^	Date taken	Name ^	Date taken
Plumbing QA (10)	4/23/2010 14:39	US Bathroom (7)	4/23/2010 15:06
Plumbing QA (11)	4/23/2010 14:39	US Bedroom	4/23/2010 15:07
Plumbing QA (12)	4/23/2010 14:39	US Bedroom (2)	4/23/2010 15:06
Plumbing QA (13)	4/23/2010 14:39	US Bedroom (3)	4/23/2010 15:06
Plumbing QA (14)	4/23/2010 14:39	US Bedroom (4)	4/23/2010 14:22
Prescription	4/23/2010 14:26	US Bedroom (5)	4/23/2010 14:22
Stairs	4/23/2010 14:30	US Bedroom (6)	4/23/2010 14:22
Understairs	4/23/2010 15:45	US Bedroom (7)	4/23/2010 14:22
Understairs (2)	4/23/2010 15:45	US Bedroom (8)	4/23/2010 14:22
Understairs (3)	4/23/2010 14:43	US Bedroom (9)	4/23/2010 14:22
Understairs (4)	4/23/2010 14:43	US Bedroom (10)	4/23/2010 14:21
Understairs (5)	4/23/2010 14:43	US Bedroom (11)	4/23/2010 14:15
Understairs (6)	4/23/2010 14:42	Video walkthrough	
Understairs (7)	4/23/2010 14:10	Video walkthrough.THM	
Unknown	4/23/2010 14:30		
US Bath	4/23/2010 14:23		
US Bath (2)	4/23/2010 14:23		
US Bath (3)	4/23/2010 14:23		
US Bath (4)	4/23/2010 14:23		
US Bathroom	4/23/2010 15:06		
US Bathroom (2)	4/23/2010 15:06		
US Bathroom (3)	4/23/2010 15:06		
US Bathroom (4)	4/23/2010 15:06		
US Bathroom (5)	4/23/2010 15:06		
US Bathroom (6)	4/23/2010 15:06		



POST-REMEDATION PHOTOGRAPH LOG SHEET

FACTs project name: Victor St.	Form # ML9
Date: April 23, 2010	
Reporting IH:	Caoimhín P. Connell, Forensic IH





Not Applicable



CERTIFICATION, VARIATIONS AND SIGNATURE SHEET

FACTs project name: Victor St.	Form # ML14
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Certification

Statement	Signature
I do hereby certify that I conducted a preliminary assessment of the subject property in accordance with 6 CCR 1014-3, § 4.	
I do hereby certify that the property has been decontaminated in accordance with the procedures set forth in 6 CCR 1014-3, § 5.	XXXXXXXXXXXXXXXXXXXX
I do hereby certify that I conducted post-decontamination clearance sampling in accordance with 6 CCR 1014-3, §6.	
I do hereby certify that the cleanup standards established by 6 CCR 1014-3, § 7 have been met as evidenced by testing I conducted.	
I do hereby certify that the analytical results reported here are faithfully reproduced.	

In the section below, describe any variations from the standard.

Pursuant to the language required in 6 CCR 1014-3, § 8:

I do hereby certify that I conducted a preliminary assessment of the subject property in accordance with 6 CCR 1014-3, § 4. I further certify that the cleanup standards established by 6 CCR 1014-3, § 7 have been met as evidenced by testing I conducted.

Signature  Date: May 7, 2010





**FORENSIC APPLICATIONS CONSULTING TECHNOLOGIES, INC.
CONSULTANT STATEMENT OF QUALIFICATIONS**

(as required by State Board of Health Regulations 6 CCR 1014-3 Section 8.21)

FACTs project name:	Victor St.	Form # ML15
Date May 8, 2010		
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Caoimhín P. Connell, is a private consulting forensic Industrial Hygienist meeting the definition of an "Industrial Hygienist" as that term is defined in the Colorado Revised Statutes §24-30-1402. He has been a practicing Industrial Hygienist in the State of Colorado since 1987; is the contract Industrial Hygienist for the National Center for Atmospheric Research and has been involved in clandestine drug lab (including meth-lab) investigations since 2002.

Mr. Connell is a recognized authority in methlab operations and is a Certified Meth-Lab Safety Instructor through the Colorado Regional Community Policing Institute (Colorado Department of Public Safety, Division of Criminal Justice). Mr. Connell has provided over 200 hours of methlab training for officers of over 25 Colorado Police agencies, 20 Sheriff's Offices, federal agents, and probation and parole officers from the 2nd, 7th and 9th Colorado judicial districts. He has provided meth-lab lectures to prestigious organizations such as the County Sheriff's of Colorado, the American Industrial Hygiene Association, and the National Safety Council.

Mr. Connell is Colorado's only private consulting Industrial Hygienist certified by the Office of National Drug Control Policy High Intensity Drug Trafficking Area Clandestine Drug Lab Safety Program, and P.O.S.T. certified by the Colorado Department of Law; he is a member of the Colorado Drug Investigators Association, the American Industrial Hygiene Association, and the Occupational Hygiene Society of Ireland. Mr. Connell is a Subject Matter Expert on the Department of Homeland Security IAB Health, Medical, and Responder Safety SubGroup, and will be conducting the AIHA 2010 Clandestine Drug Lab Professional Development Course.

He has received over 120 hours of highly specialized law-enforcement sensitive training in meth-labs and clan-labs (including manufacturing and identification of booby-traps commonly found at meth-labs) through the Iowa National Guard/Midwest Counterdrug Training Center and the Florida National Guard/Multijurisdictional Counterdrug Task Force, St. Petersburg College as well as through the U.S. Bureau of Justice Assistance (US Dept. of Justice). Additionally, he received extensive training in the Colorado Revised Statutes, including Title 18, Article 18 "Uniform Controlled Substances Act of 1992."

Mr. Connell is also a current law enforcement officer in the State of Colorado, who has conducted clandestine laboratory investigations and performed risk, contamination, hazard and exposure assessments from both the law enforcement (criminal) perspective, and from the civil perspective in residences, apartments, motor vehicles, and condominiums. Mr. Connell has conducted over 170 assessments in illegal drug labs, and collected over 1,400 samples during assessments (a detailed list of experience is available on the web at: <http://forensic-applications.com/meth/DrugLabExperience2.pdf>)

He has extensive experience performing assessments pursuant to the Colorado meth-lab regulation, 6 CCR 1014-3, (State Board Of Health *Regulations Pertaining to the Cleanup of Methamphetamine Laboratories*) and was an original team member on two of the legislative working-groups which wrote the regulations for the State of Colorado. Mr. Connell was the primary contributing author of Appendix A (*Sampling Methods And Procedures*) and Attachment to Appendix A (*Sampling Methods And Procedures Sampling Theory*) of the Colorado regulations. He has provided expert witness testimony in civil cases and testified before the Colorado Board of Health and Colorado Legislature Judicial Committee regarding methlab issues. Mr. Connell has provided private consumers, state officials and Federal Government representatives with forensic arguments against fraudulent industrial hygienists and other unauthorized consultants performing invalid methlab assessments.

Mr. Connell, who is a committee member of the ASTM International Forensic Sciences Committee, was the sole sponsor of the draft ASTM E50 *Standard Practice for the Assessment of Contamination at Suspected Clandestine Drug Laboratories*, and he is a coauthor of a 2007 AIHA Publication on methlab assessment and remediation.

FINAL DOCUMENTATION CHECKLIST

FACTs project name: Victor St.	Form # ML16
Date: April 23, 2010	
Reporting IH:	Caoimhin P. Connell, Forensic IH

Mandatory Final Documents 6-CCR 1014-3	DOCUMENTATION	Included
§8.1	Property description field form	<i>Carl</i>
§8.2	Description of manufacturing methods and chemicals	<i>Carl</i>
§8.3	Law Enforcement documentation review discussion	<i>Carl</i>
§8.4	Description and Drawing of Storage area(s)	<i>Carl</i>
§8.5	Description and Drawing of Waste area(s)	<i>Carl</i>
§8.6	Description and Drawing of Cook area(s)	<i>Carl</i>
§8.7	Field observations field form	<i>Carl</i>
	FACTs Functional Space inventory field form	<i>Carl</i>
§8.8	Plumbing inspection field form	<i>Carl</i>
	FACTs ISDS field form	<i>Carl</i>
§8.9	Contamination migration field form	<i>Carl</i>
§8.10	Identification of common ventilation systems	<i>Carl</i>
§8.11	Description of the sampling procedures and QA/QC	<i>Carl</i>
§8.12	Analytical Description and Laboratory QA/QC	<i>Carl</i>
§8.13	Location and results of initial sampling with figure	<i>Carl</i>
§8.14	FACTs health and safety procedures in accordance with OSHA	<i>Carl</i>
§8.15	Contractor's description of decontamination procedures and each area that was decontaminated	NA
§8.16	Contractor's description of removal procedures each area where removal was conducted, and the materials removed	NA
§8.17	Contractor's description of encapsulation areas and materials	NA
§8.18	Contractor's description of waste management procedures	NA
§8.19	Drawing, location and results of final verification samples	<i>Carl</i>
§8.20	FACTs Pre-remediation photographs and log	<i>Carl</i>
	FACTs Post-remediation photographs and log	NA
§8.21	FACTs SOQ	<i>Carl</i>
§8.22	Certification of procedures, results, and variations	<i>Carl</i>
§8.23	Mandatory Certification Language	<i>Carl</i>
§8.24	Signature Sheet	<i>Carl</i>
	Analytical Laboratory Reports	<i>Carl</i>
	FACTs Field Sampling Forms	<i>Carl</i>



APPENDIX B

ANALYTICAL REPORTS FOR FACTS SAMPLES

SAMPLING FIELD FORM

FACTs project name: Victor Street	Form # ML17
Date: April 23, 2010	Alcohol Lot#: A0901 Gauze Lot#: G1002
Reporting IH: Caoimhín P. Connell, Forensic IH	Preliminary X Intermediate ___ Final X

Sample ID VM042310-	Type	Location	Functional Space	Dimensions	Substrate	Notes
-01	W	Ceiling fan in kitchen	1	Trap	LW	
-02	W	Top of hot gas flue from furnace in furnace room	2	4.5" X 18"	M	
-03	W	Downstairs bedroom, top of shelf in closet	3	11" X 7.5"	PW	
-04	W	BX	NA	NA	NA	
-05	W	Glass shelves in medicine chest in DS Bathroom	4	(13.5"X3.5")X2	G	
-06	W	Ceiling fan blade in loft	5	Trap	LW	15% undersampled
-07	W	Upstairs bedroom, SE ceiling corner at beam	6	9"X9"	P-DW	
-08	W	Upstairs bathroom, top of door jambs	7	(36"X0.5")X6	PW	
-09	W	Attic -Top of plastic sewer relief stack	8	4.5" X 18"	PI	
-10	W	Furnace duct interior from return grille in foyer	9	9"X9"	M	50% undersampled
-11	W	Area under the stairs, vinyl flooring	10	9"X 18"	PI	

Sample Types: W=Wipe; V=Microvacuum; A=Air; B=Bulk; L=liquid
 Surfaces: DW= Drywall, P=Painted; W= Wood, L= Laminated, V= Varnished, M= Metal, C=Ceramic, PI=Plastic

#1 Trapezoid: b1=4, b2=5.5, h=18

#6 Trapezoid: b1=4.5, b2=6, h=18





ANALYTICAL CHEMISTRY INC.

Established in 1979

4611 S. 134th Place, Ste 200
Tukwila WA 98168-3240

Website: www.acilabs.com

Phone: 206-622-8353

E-mail: info@acilabs.com

Lab Reference:	10125-03
Date Received:	April 29, 2010
Date Completed:	May 3, 2010

May 3, 2010

CAOIMHIN P CONNELL
FORENSIC APPLICATIONS INC
185 BOUNTY HUNTER'S LN
BAILEY CO 80421

CLIENT REF: Victor

SAMPLES: wipes/11

ANALYSIS: Methamphetamine by Gas Chromatography-Mass Spectrometry.

RESULTS: in total micrograms (ug)

Sample	Methamphetamine, ug	% Surrogate Recovery
VM042310-01	0.556	104
VM042310-02	< 0.030	100
VM042310-03	0.123	102
VM042310-04	< 0.030	101
VM042310-05	< 0.030	99
VM042310-06	0.564	107
VM042310-07	1.57	102
VM042310-08	< 0.030	98
VM042310-09	0.998	99
VM042310-10	1.04	103
VM042310-11	< 0.030	105
QA/QC Method Blank	< 0.004	
QC 4.0 ug Standard	3.99	
QA 0.020 ug Matrix Spike	0.021	
QA 0.020 ug Matrix Spike Duplicate	0.022	
Method Detection Limit (MDL)	0.004	
Practical Quantitation Limit (PQL)	0.030	

'<': less than, not detected above the PQL

Robert M. Orheim
Director of Laboratories



ANALYTICAL CHEMISTRY INC.

CDL SAMPLING & CUSTODY FORM

4611 S 134th Pl, Ste 200 Tukwila WA 98168-3240
Website: www.aclilabs.com

Phone: 206-622-8353
FAX: 206-622-4623

Please do not write in shaded areas.

SAMPLING DATE: April 23, 2010		REPORT TO: Caoimhin P. Connell		ANALYSIS REQUESTED	
PROJECT Name/No.: Victor		COMPANY: Forensic Applications, Inc.		1 Methamphetamine	
eMail: Fiosrach@aol.com		ADDRESS: 185 Bounty Hunters Lane, Bailey, CO 80421		2 Use entire contents	
SAMPLER NAME: Caoimhin P. Connell		PHONE: 303-903-7494		3	
				4	
				5	
				6 Not Submitted	

LAB Number	Sample Number	SAMPLE MATRIX			ANALYSIS REQUESTS						SAMPLER COMMENTS	LAB COMMENTS	No of Containers		
		Wipe	Vacuum	Other	1	2	3	4	5	6					
	VM042310-01	X			X	X									1
	VM042310-02	X			X	X									1
	VM042310-03	X			X	X									1
	VM042310-04	X			X	X									1
	VM042310-05	X			X	X									1
	VM042310-06	X			X	X									1
	VM042310-07	X			X	X									1
	VM042310-08	X			X	X									1
	VM042310-09	X			X	X									1
	VM042310-10	X			X	X									1

CHAIN OF CUSTODY RECORD		Wipes Results in:		Total Number of Containers (verified by laboratory)	
PRINT NAME	Signature	COMPANY	DATE	<input type="checkbox"/> µg/100cm ²	<input checked="" type="checkbox"/> Total µg
Caoimhin P. Connell	<i>Caoimhin P. Connell</i>	FACTS, Inc.	4/28/10	0730	10
MIA SAZON	<i>MIA SAZON</i>	ACT	4/27/10	1500	

Custody Seals:	<input checked="" type="checkbox"/> Yes	<input type="checkbox"/> No
Container:	<input checked="" type="checkbox"/> Intact	<input type="checkbox"/> Broken
Temperature:	<input checked="" type="checkbox"/> Ambient	<input type="checkbox"/> Cooled
Inspected By:	MIA SAZON	
Lab File No.	10125-02	



ANALYTICAL CHEMISTRY INC.

CDL SAMPLING & CUSTODY FORM

4611 S 134th Pl, Ste 200 Tukwila WA 98168-3240
Website: www.acliabs.com

Phone: 206-622-8353
FAX: 206-622-4023

Page 1 of 2
Please do not write in shaded areas.

SAMPLING DATE:	April 23, 2010	REPORT TO:	Caoimhin P. Connell	ANALYSIS REQUESTED	1 Methamphetamine
PROJECT Name/No:	Victor	COMPANY:	Forensic Applications, Inc.	2	Use entire contents
eMail:	Fiostrach@aol.com	ADDRESS:	185 Bounty Hunters Lane, Bailey, CO 80421	3	
SAMPLER NAME:	Caoimhin P. Connell	PHONE	303-903-7494	4	
				5	
				6	Not Submitted

LAB Number	Sample Number	SAMPLE MATRIX			ANALYSIS REQUESTS						SAMPLER COMMENTS	LAB COMMENTS	No of Containers	
		Wipe	Vacuum	Other	1	2	3	4	5	6				
	VM042310-11	X			X	X								1
	VM042310-12	X			X	X					X			
		X			X	X								
		X			X	X								
		X			X	X								
		X			X	X								
		X			X	X								
		X			X	X								
		X			X	X								

CHAIN OF CUSTODY RECORD		Wipes Results in:	<input type="checkbox"/> µg/100cm ²	<input checked="" type="checkbox"/> Total µg	Total Number of Containers <small>(verified by laboratory)</small>	1
PRINT NAME	Signature	COMPANY	DATE	TIME	Turnaround Time	Custody Seals:
Caoimhin P. Connell		FACTS, Inc.	4/29/10	1500	<input type="checkbox"/> 24 Hours (2X)	Container:
MIA SKZOV		ACT			<input type="checkbox"/> 2 Days (1.75X)	Temperature:
					<input type="checkbox"/> 3 Days (1.5X)	Inspected By:
					<input checked="" type="checkbox"/> Routine	Lab File No.
						10125-03

FINAL SAMPLING CHECKLIST

FACTs project name:	Victor St.	Form # ML18
Date:	April 23, 2010	
Reporting IH:	Caoimhín P. Connell, Forensic IH	

Functional Space #	Collected minimum 500 cm ²	General Sampling Considerations	
1	Yes	Floor Space Area of Lab (ft ²)	936
2	Yes	One extra sample is required for every 500 ft ² of floor space >1,500ft ² . Enter number of <u>extra</u> samples required:	0
3	Yes	Enter minimum number of final samples required based on floor space.	5
4	Yes	Enter Number of Functional Spaces to be included	10
5	Yes	Enter the minimum number of sample required based on the number of functional spaces	10
6	Yes	Is the lab a motor vehicle?	No
7	Yes	Does the lab contain motor vehicles?	No
8	Yes	Enter number of motor vehicles associated with the lab:	0
9	Yes	Are the vehicles considered functional spaces of the lab?	NA
10	Yes	For vehicles that are merely functional spaces, one extra 500 cm ² sample is required for each vehicle. Enter the number of extra samples for functional space vehicles:	0
		Enter number of large vehicles (campers, trailers, etc)	0
		One extra sample is required for every 50 ft ² of floor space of large vehicles. Enter number of extra samples required:	
		Enter total number of samples to be collected.	10
		One BX must be included for every 10 samples. Enter the number of BX required.	1
		Enter total number of samples/BXs required	11
		Enter total number of samples/BXs actually collected	11
		Collected a minimum of 5 samples from the lab?	Yes
		Collected a minimum of 3 discrete samples from the lab?	Yes
		Collected a minimum of 500 cm ² per functional space?	Yes
		Collected minimum of 1,000 cm ² surface area from the lab?	Yes
		Sketch of the sample locations performed?	Yes



APPENDIX C

ANALYTICAL METHODS (SEE ATTACHED DVD)



APPENDIX D

INITIAL INDUSTRIAL HYGIENE REPORT (SEE ATTACHED DVD)



APPENDIX E

**COMPACT DIGITAL DISC (DVD)
PHOTOGRAPHS AND VIDEO(S)**