EAGLE Environmental, Inc.

Hazardous Building Materials > Industrial Hygiene/IAQ > Environmental Assessments > Laboratory Services & Training

June 23, 2014

Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

RE: Environmental Assessment Report
Department of Housing
CDBG-DR – Sandy Disaster Recovery Program
20 Arthur Street, New Haven
Application #2135
Eagle Project No. 14-020.12T12

Dear Mr. Holmes:

Please find the attached Environmental Assessment Report conducted at 20 Arthur Street located in New Haven, Connecticut (Site). The environmental assessment was performed in support of the planned renovations/repairs to the Site building under the State of Connecticut Department of Housing Community Development Block Grant – Disaster Recovery Program (Program). The assessment focused only on those areas of the building that are scheduled for renovation/repair work with the exception of the lead-based paint lead hazard screen, which included the interior and exterior the entire building. The proposed scope of renovation/repair work was provided to Eagle Environmental, Inc. (Eagle) by Capital Studio Architects (CSA).

This assessment and report is intended to satisfy the review process of the National Environmental Policy Act (NEPA) Statutory Checklist Sections 13C (Lead-Based Paint), 13D (Asbestos), 13E (Radon) and 13F (Mold).

Please do not hesitate to contact us if you have any questions regarding the contents of this report.

Sincerely,
Eagle Environmental, Inc.

Report Prepared By:
Kristen Liljehult
Environmental Consultant II

Report Reviewed By:
Peter J. Folino
Project Manager

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1. INTRODUCTION

On April 24, May 10 and June 9, 2014, Eagle Environmental, Inc. conducted an environmental assessment of portions of the site building located at 20 Arthur St in New Haven, Connecticut. The scope of the environmental assessment included an inspection for asbestos-containing materials, a lead-based paint screen, Radon testing and a visual inspection for microbial contamination.

1.1 Inspection Area Description

The inspection area included those areas of the building that will be impacted by planned renovation work. The areas of inspection are determined by reviewing the planned renovation work provided in CSA's Project Scope dated April 7, 2014. For the purpose of this project the following areas were inspected:

- Attic
- Attic Roof
- Main Roof

In addition to testing the areas of the building that will be impacted by the renovation work, a lead hazard screen was performed throughout the site building to comply with federal funding requirements for a residential building receiving Federal funding assistance under a Department of Housing and Urban Development (HUD) administered program.

A complete list of components that were tested may be found in the XRF Lead Inspection Detailed Report.

2. SCOPE OF INSPECTION

2.1 Asbestos Containing Materials

The asbestos inspection was conducted to identify and sample suspect asbestos-containing materials within the areas of proposed renovation or repair work. Although federal regulations requiring asbestos inspection do not pertain to a residential structure containing less than five (5) units, demolition or renovation activities which may disturb asbestos would be unauthorized under the State of Connecticut Department of Public Health (DPH) regulations. Disposal of asbestos containing waste in unauthorized landfills is also prohibited. The inspection was performed to facilitate compliance with these applicable abatement and disposal regulations.

The asbestos inspection was performed by Andrew Carnevale; a State of Connecticut licensed Asbestos Inspector (license #000850).

2.2 Lead-based Paint

A lead-based paint hazard screen was performed at the site building to comply with the Department of Housing and Urban Development (HUD) Lead Safe Housing Rule (24 CFR 35) for a residential property receiving Federal rehabilitation assistance under a program administered by HUD.

Certain lead-based paint requirements apply to each project depending on the level of Federal Funding allocated.

The bolded text indicates the requirements applicable to this project based on the anticipated level of funding. The lead-based paint requirements include the following for each level of funding:

1. Residential property receiving $5,000 or less per unit (Not Applicable to this Project):

    a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.

    b. Conduct a risk assessment in each unit receiving Federal funds, in common areas and the exteriors.

    c. Interim control measures may be utilized throughout the building

    d. Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.

    e. After the completion of any rehabilitation work that has disturbed painted surfaces, clearances are to be performed.

2. Residential property receiving between $5,000 and $25,000 per unit:

    a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.

    b. Provide notice to residents of lead evaluation within 15 days of assessment.

    c. Lead safe work practices are to be utilized during rehabilitation work that will disturb lead-based painted surfaces.

    d. Perform interim controls on all lead hazards identified during the lead hazard screen.

    e. Perform clearance testing following interim control work and renovations.

    f. Provide notice of lead-hazard reduction within 15 days of completion of work.

3. Residential property receiving greater than $25,000 per unit:

    a. Conduct lead-based paint testing or presume all painted surfaces contain toxic levels of lead-based paint. If lead-based paint testing confirms that the painted surfaces are not coated with lead-based paint, lead safe work practices and clearances are not required.

    b. Conduct a risk assessment in each unit receiving Federal funds, in common areas and the exteriors.

c. Provide notice to residents of lead evaluation to within 15 days of assessment.

d. Abate all interior lead-based paint hazards identified during the lead inspection/risk assessment. Interim controls are acceptable on exterior surfaces that are not disturbed by rehabilitation and on paint-lead hazards that are below the de minimus levels.

e. Lead safe work practices are to be utilized during rehabilitation work that will disturb painted surfaces.

f. Perform clearance testing following abatement work.

g. Provide notice of lead-hazard reduction within 15 days of completion of work.

In addition to HUD's Lead Safe Housing Rule, the State of Connecticut Department of Public Health Lead Poisoning Prevention and Control regulations apply when a child under the age of six (6) years old lives in the residence at the time of the inspection. The lead hazard screen was performed in accordance with State requirements, where applicable.

The lead hazard screen was performed by Eltwaun Lawrence, Hannah Hintz and Kristen Liljehult; State of Connecticut licensed Lead Inspector/Risk Assessors (license # 002250, 002244 and 002206 respectively).

At least one (1) child under the age of six years old resided in the second and third floor dwelling units at the time of the inspection. The occupancy by a child under the age of six (6) years old and the presence of defective lead-based paint triggers the regulatory requirements of the State of Connecticut Childhood Lead Poisoning Prevention and Control Regulations.

2.3 Radon Testing

Radon testing for this program is performed on a case-by-case basis. Building's which are constructed on piers with its lowest level not in contact with the ground are not considered for Radon testing.

Buildings, which are not elevated off the ground are tested for Radon under this Program. Radon testing is performed to comply with the National Environmental Policy Act (NEPA).

At a minimum, the Indoor Radon Potential Map of Connecticut was reviewed to determine each sites geographic location in respect to indoor radon potential.

One (1) Radon canister was placed for Radon measurement in the basement of the building.

2.4 Mold Inspection

Eagle performed a visual inspection for the presence of suspect mold within the inspection areas. The inspection included an investigation for signs of visible microbial growth including discoloring of building materials, mal odors and water intrusion that may inhibit microbial growth. The inspection was visual in nature and did not include any sampling or destructive investigations behind rigid walls or ceilings.

3. INSPECTION PROTOCOLS

3.1 Asbestos Containing Materials

3.1.1 Inspection

The asbestos-containing materials (ACM) inspection included the accessible interior and exterior portions of the building that will potentially be impacted by the proposed renovation/repair work. The inspection did not include areas outside of the proposed renovation/repair work areas.

Semi-destructive testing techniques were utilized during the inspection process. This included removing small pieces of suspect materials for analysis (bulk sampling).

Only those building materials that will be impacted by the proposed renovation/repair work were sampled. Wood, glass, metal and fiberglass are not defined as suspect materials and are not sampled.

During the inspection, suspect materials are located, sampled, quantified and the friability of the material is determined. Friable materials are those materials that hand pressure can crumble, pulverize or reduce to powder when dry. An estimated quantity of identified ACM is provided for positive materials only. The materials are quantified in linear or square feet, depending on the nature of the material.

3.1.2 Bulk Sampling

During the sampling process, suspect ACM is separated into three (3) USEPA categories. These categories are: Thermal System Insulation (TSI), Surfacing Materials (SURF), and Miscellaneous materials (MISC). TSI includes all materials used to prevent heat loss or gain or water condensation on mechanical systems. Examples of TSI are pipe covering, boiler insulation, duct wrap, and mudpack fitting cement. Surfacing ACM includes all ACM that is sprayed, toweled or otherwise applied to an existing surface.

These applications are most commonly used in fireproofing, decorative, and acoustical applications. Miscellaneous materials include all ACM not listed in thermal or surfacing, such as linoleum, vinyl asbestos flooring, and ceiling tile.

Bulk sampling was performed in a random method. Bulk sampling methods and number of samples collected meets or exceeds the USEPA requirements.

3.1.3 Bulk Sample Analysis

The samples of the suspect asbestos containing materials were sent to a State of Connecticut Department of Public Health (DPH) approved laboratory for analysis by Polarized Light Microscopy (PLM). PLM is the USEPA accepted method of analysis for identification of asbestos in bulk matrixes. Samples are collected individually or in sets. When sets of samples are collected, each set is systematically analyzed until one sample is determined to contain asbestos. Upon the determination of the presence of asbestos in one sample in the set, analysis of the remaining samples in the set is discontinued. If no asbestos is observed during analysis of the set of samples, the suspect material is determined to be negative for asbestos content.

Sample analysis results are reported in percentage of asbestos and non-asbestos components.

The USEPA defines any material that contains greater than one percent asbestos, utilizing PLM, as being an asbestos-containing material (ACM). Suspect materials containing greater than one percent (1%) asbestos utilizing the PLM Point Count Method and the NOB TEM method are also considered to be asbestos-containing. Materials determined to contain greater than one percent (1%) asbestos is regulated by the USEPA, the State of Connecticut Department of Public Health and Department of Energy and Environmental Protection and the United States Department of Labor. Sample results indicating "no asbestos detected" (NAD) are specified as non-asbestos containing materials. Samples results indicating "Did Not Analyze" (DNA) are not analyzed due to the stop on first positive request to the laboratory.

3.1.3.1 Friable ACM Analysis

Certain samples of friable materials shown to contain less than 10% asbestos are analyzed further by the "Point Count Method".

This procedure is recommended by the United States Environmental Protection Agency to confirm friable bulk samples shown to have less than 10% asbestos by PLM to be definitively negative or positive for asbestos. This method is accepted as providing statistically reliable results when analyzing bulk samples with very low asbestos concentrations. Friable materials containing "Trace" or "less than one percent (1%)" asbestos must be analyzed by the PLM Point Count Method. No samples were further analyzed by the PLM Point Count Method for the property located at 20 Arthur Street, Connecticut.

3.1.3.2 Non Friable ACM Analysis

Certain samples of organically bound non-friable materials shown to contain "less than 1% asbestos", "TRACE" or "NAD" are recommended for analyses by the "NOB TEM ELAP 198.4 Method". This procedure is recommended by the United States Environmental Protection Agency to further evaluate non-friable organically bound materials for asbestos. Suspect materials confirmed by NOB TEM to be "less than 1% asbestos", "TRACE" or "NAD" are considered non-asbestos containing.

No samples were further analyzed by the NOB TEM Method for the property at 20 Arthur Street, Connecticut, Connecticut.

3.2 Lead-Based Paint

The lead hazard screen was performed utilizing an X-Ray Fluorescence (XRF) Radiation Monitoring Device (RMD) Lead Paint Analyzer (LPA 1), serial number 1364 and 1509. Eagle did not presume lead-based paint to be present but tested where defective paint was visually identified.

Due to the level of proposed Federal Funding for this project (between $5,000.00 and $25,000 per unit), a lead-hazard screen was performed, which included testing surfaces where defective paint or surface coatings were identified. A visual inspection was performed to evaluate the condition of surface coating associated with the building. Where surface coatings were defective (peeling, chipping, flaking, etc.), paint testing was performed. Component and surface locations are identified by side designations represented by the letters "A", "B", "C", and "D". The "A" side is considered the front of the building with the "B", "C", and "D" sides following in a clockwise order.

The data is presented on computer generated Lead Inspection Reports contained in Appendix 3. The Summary Report provides an inventory of each surface coating that contains lead at or above 1.0 mg/cm^2. The Detailed Report is an inventory of each tested surface on a room-by-room basis.

For the purpose of this report, lead-based paint is defined as surface coatings that contain ≥1.0 mg/cm^2 of lead by XRF.

In addition to XRF testing, dust samples were collected at the time of inspection if defective lead-based paint was identified. The exterior grounds were evaluated as well for bare areas of soil. Soil sampling was performed where bare soil areas were identified. The dust and soil hazards are incorporated into the Lead-Based Paint Abatement Plan, as required.

3.3 Lead Dust Wipe Sampling

Dust samples were collected from various locations throughout the building that are likely to be frequented by residents, especially children under the age of six (6) years old. Dust sample results with concentrations of lead equal to or exceeding 40 µg/ft^2 on floors, 250 µg/ft^2 on window sills and 450 µg/ft^2 on window wells are considered to be dust-lead hazards.

3.4 Lead Soil Sampling

The exterior grounds were evaluated at the time of inspection on May 10, 2014. Soil samples were collected from the bare soil areas identified at the building site. Soil sample results equal to or exceeding 400 mg/Kg represent a lead hazard. Any soil sample results equal to or exceeding 5,000 mg/Kg require permanent abatement.

3.5 Radon Testing

Eagle Environmental placed one (1) radon canister within the building. The canister was placed by Andrew Carnevale on April 24, 2014 and was retrieved by Eltwaun Lawrence on April 29, 2014. The canister was placed within the basement or lowest level of the building. The United States Environmental Protection Agency (USEPA) recommends that the test measurements be performed in the lowest level of the building.

The radon testing device utilized for the radon measurements is an Activated Charcoal Adsorption Devices or charcoal canister. The canister is placed in the center of the room where feasible. The testing location was away from any drafts or excessive air movements and windows and doors remained closed during the testing period. The measurements that are taken are considered short-term tests. A short-term test is conducted from two to nine days.

The charcoal canister was sent to Radon Testing Corporation of America (RTCA) of Elmsford, New York for analysis. RTCA is listed in the USEPA Radon Measurement Proficiency (RMP) Program.

3.6 Mold Inspection

Eagle Environmental, Inc. performed a visual inspection within the limits of the inspection area for potential microbial growth.

The visual inspection was performed to evaluate building materials for signs of water damage and suspect microbial growth. Building materials such as gypsum board, cellulose ceiling tiles, paper pipe coverings or duct coverings and heating, ventilation and air conditioning components were visually assessed. Only visible accessible materials were inspected within the proposed areas of renovation/repair.

Discoloration and decay of the aforementioned building materials may signify mold growth. Water damage or damp conditions may also signify suitable conditions for mold growth.

Suspect mold growth or conditions that may sustain mold growth were documented during the inspection process. In general, the location, color of suspect growth and estimated quantity of impacted building materials were recorded during the inspection process.

4. INSPECTION RESULTS

4.1 Asbestos Containing Materials

During the course of the building inspection fifteen (15) bulk samples of suspect ACM were collected and analyzed by PLM Method. Based upon the results of the analyses the materials that were sampled were confirmed to be Non-ACM. No further action is required for asbestos-containing materials.

The summaries of non-asbestos materials are presented in Table II. The asbestos analysis laboratory reports are provided in Appendix 2.

Any suspect material not specifically identified in this report as non-ACM should be assumed to contain asbestos unless sample results prove otherwise.

4.2 Lead-Based Paint

A total of four hundred and forty (440) XRF readings were collected during the lead-based paint hazard screen of the building. From the four hundred and forty (440) readings, two hundred and three (203) were found to contain toxic levels of lead-based paint.

A complete inventory of tested building materials is presented in Detailed Reports contained Appendix 3.

The projected Federal funding for this project is between $5,000.00 and $25,000.00 per unit; however, a Lead-Based Paint Abatement Plan is required for the interior and exterior of the building as there was at least one (1) child under six (6) years of age residing in the building at the time of inspection. Lead-based paint that is defective or is present on friction and impact surfaces must be permanently abated in accordance with a Lead-Based Paint Abatement Plan. Intact lead-based paint must be managed in place and must be listed on a Lead-Based Paint Management Plan for the site. A copy of the Lead-Based Paint Abatement Plan must be submitted to the New Haven Health Department for review.

The U.S. Department of Labor Occupation Safety and Health Administration (OSHA) regulates lead dust exposure to workers in the construction industry under 29 CFR 1926.62 Lead Exposure in Construction; Interim Final Rule. Currently, OSHA does not define a threshold level of lead in paint that may cause worker exposure.

Any detectable level of lead in paint (>0.0 mg/cm^2 +/- 0.3 mg/cm^2 by XRF or >0.01 % by AAS) requires task specific exposure monitoring. Contractors performing lead disturbing tasks on this project must comply with the OSHA Lead in Construction Standard.

4.2.1 Lead Dust Hazards

A total of thirty-three (33) dust wipe samples were collected on May 10, 2014. Of the thirty-three (33) dust wipes collected, twenty-six (26) of the samples were found to contain very high levels of lead in dust above the threshold.

First Floor Dwelling Unit

- Bedroom 1 window well
- Living Room floor at entry
- Living Room window sill
- Kitchen floor
- Kitchen window sill
- Den floor
- Den window well

Second Floor Dwelling Unit

- Living Room floor at entry
- Living Room window sill
- Bedroom 1 floor
- Bedroom 1 window sill
- Kitchen floor at entry
- Kitchen window sill
- Bedroom 2 floor
- Bedroom 3 window sill

Third Floor Dwelling Unit

- Bedroom 1 floor at entry
- Bedroom 1 window well
- Kitchen window sill
- Bedroom 2 window well
- Bathroom window well

Common Areas

- Front Stair: 1st floor at entry
- Front Stair: 2nd floor at entry
- Front Stair: 3rd floor at entry
- Front Stair: window sill
- Rear Stair: 1st floor landing
- Rear Stair: 2nd floor landing

Paint stripping activities were occurring within the building at the time of the lead-hazard screen. The paint stripping activities resulted in extremely high levels of lead dust within the building. The dust hazards should be remediated as soon as possible to prevent potential exposure the children in residence.

4.2.2 Lead Soil Hazards

A total of three (3) soil samples were collected on May 10, 2014. The results of the soil sampling confirmed that soil-lead hazards are present in the following areas:

- Bare soil along the fence on C/D side
- Bare soil along the dripline of the brick garage
- Bare soil along the fence on B/C side

4.3 Regulatory Requirements

Certain actions are required when a child under the age of six (6) resides in a unit where toxic levels of lead are identified. The following actions must be carried out:

1. Eagle Environmental, Inc. must notify the Connecticut Commissioner of Public Health and the local director of health regarding the presence of lead-based paint in a child-occupied unit (completed Lead Inspection Report Forms are attached and notice to the CT Commissioner and the local health has been made).

2. The Owner must post the entrance to the affected unit(s) and common areas with a notice that states the dwelling contains toxic levels of lead which may be dangerous and which a child should not be allowed to mouth or chew.

3. The Owner must provide a summary report of the lead inspection to the residents.

4. The Owner shall have a written Lead-Based Paint Abatement Plan prepared and submitted to the local director of health within twenty (20) working days.

5. Eagle Environmental, Inc. must notify the Connecticut Commission on Culture & Tourism within five (5) days after the completion of the inspection report, if the building is fifty (50) years old or older, to determine if the building is identified or certified as a historic property.

Work of this project will be performed in accordance with the Regulations of the Connecticut State Agencies (RCSA) Lead Poisoning Prevention and Control Regulations since toxic levels of lead-based paint were identified and at least one (1) child under the age of six (6) years old resides in the building.

4.4 Radon

Radon is measured in Picocuries of radon per Liter of air or pCi/L. The USEPA has set a national action level of 4 pCi/L. Ambient concentrations of radon are approximately 0.4 pCi/L of radon for outside air. The USEPA recommends that short term tests that have results of 4 pCi/L or greater be confirmed with a second short-term test. Two short-term tests with results equal to or greater than 4 pCi/L require that radon mitigation be performed.

A review of the Indoor Radon Potential Map of Connecticut indicates a Radon Potential Rating of Low (6%). The Radon Potential Rating indicates the percentage of tested homes in this geographical area with basement air radon greater than or equal to 4.0 pCi/l (USEPA Action Level for Radon).

The result of the Radon testing was 1.6 pCi/L, which is below the USEPA action level. No further action is required.

4.5 Mold

The physical inspection within the attic observed no visible mold spore growth and no malodors or smell of mold were observed at the time of the inspection.

Observations and data obtained during the site visits represent conditions during that time span only. Moisture content, fungal ecology, moisture content of building materials, and psychometric variables are intrinsically dynamic and can vary dramatically and impact the scope of work.

The mold visual inspection forms are provided in Appendix 6.

5. COST ESTIMATES

The cost estimates include only the abatement or remediation work necessary to support the renovation/repair work. Other regulated or hazardous materials may be present and were not inspected for under this scope of services and are not included within the estimate.

This is a budgetary opinion of cost that is expected to be within -15 to + 30 percent of the actual cost. Eagle Environmental, Inc. has no control over the cost of labor, materials, equipment or services furnished by others, or over the Contractor or Contractors' methods of determining prices, or over competitive bidding or market conditions. Eagle Environmental, Inc.'s opinion of probable cost of abatement are made on the basis of Eagle Environmental, Inc.'s experience and qualifications and represent Eagle Environmental, Inc.'s judgment as an experienced and qualified consultant familiar with the abatement industry; but Eagle Environmental, Inc. cannot and does not guarantee that proposals, bids or actual Total Project or Abatement Cost will not vary from opinions of probable cost prepared by Eagle Environmental, Inc. If, prior to the bidding or negotiating phase, the Owner wishes greater assurance as to Total Project or Abatement Cost, the Owner shall employ an independent cost estimator.

The cost estimates are provided in Appendix 7.

TABLE I

ASBESTOS CONTAINING MATERIALS SUMMARY TABLE

TABLE I
ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT

LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS				ESTIMATED QUANTITY	F/NF
				PLM	PLM PC	TEM NOB	ACM		
NO ACM IDENTIFIED IN THIS SCOPE OF WORK									

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE	SF = SQUARE FEET	PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT
NAD = NO ASBESTOS DETECTED	LF = LINEAR FEET	TEM NOB = NEW YORK ELAP 198.4 METHOD
F = FRIABLE	Chrys = Chrysotile	PLM = EPA 600/R-93/116
NF = NON-FRIABLE	Amos = Amosite	PS = Previously Sampled
TSI = THERMAL SYSTEMS INSULATION	Anth = Anthophylite	EA = Each
SURF = SURFACING MATERIAL	Trem = Tremolite	
MISC = MISCELLANEOUS MATERIAL	Croc = Crocidolite	

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

TABLE II

NON-ASBESTOS-CONTAINING MATERIALS SUMMARY TABLE

TABLE II
NON - ASBESTOS CONTAINING MATERIALS
SUMMARY TABLE
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT

SAMPLE LOCATION(S)	MATERIAL TYPE	SAMPLE NUMBER	CATEGORY	BULK SAMPLE ANALYSIS RESULTS			
				PLM	PLM PC	TEM NOB	ACM
Attic	Gray debris on floor	4-24-AC-38	MISC	NAD			NO
		4-24-AC-39		NAD			
Main Roof	Brown asphalt shingle	4-24-AC-40	MISC	NAD			NO
		4-24-AC-41		NAD			
Main Roof	Grey asphalt shingle	4-24-AC-42	MISC	<1% Chrys			NO
		4-24-AC-43		<1% Chrys			
Main Roof	Black vapor paper	4-24-AC-44	MISC	NAD			NO
		4-24-AC-45		NAD			
Main Roof	Black chimney flashing	4-24-AC-46	MISC	NAD			NO
		4-24-AC-47		NAD			
Back Porch	Blue asphalt shingle	4-24-AC-48	MISC	NAD			NO
		4-24-AC-49		NAD			
Roof-Attic	Blown-in insulation	4-24-AC-50	TSI	NAD			NO
		4-24-AC-51		NAD			
		4-24-AC-52		NAD			

KEY		ANALYTICAL METHODS
DNA = DID NOT ANALYZE	**SF = SQUARE FEET**	**PLM PC = EPA 600/R-93/116 QUANTITATION 400 POINT COUNT**
NAD=NO ASBESTOS DETECTED	**LF = LINEAR FEET**	**TEM NOB = NEW YORK ELAP 198.4 METHOD**
F = FRIABLE	**Chrys = Chrysotile**	**PLM = EPA 600/R-93/116**
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TSI = THERMAL SYSTEMS INSULATION	**Anth = Anthophylite**	**EA = Each**
SURF = SURFACING MATERIAL	**Trem = Tremolite**	
MISC = MISCELLANEOUS MATERIAL	**Croc = Crocidolite**	

BOLD TEXT IN "LOCATION" COLUMN INDICATES SAMPLE LOCATION

APPENDIX 1

FLOOR PLANS

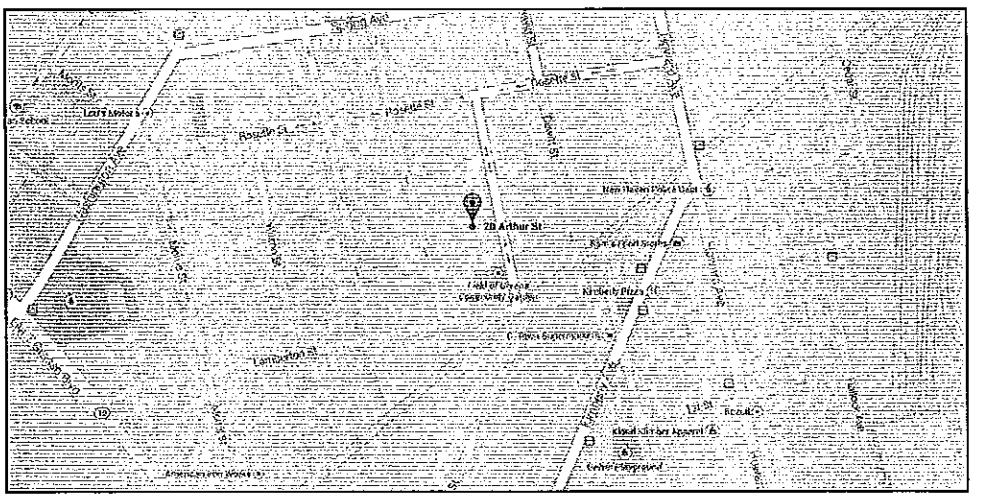
CAPITAL STUDIOS ARCHITECTS

20 ARTHUR STREET
NEW HAVEN, CONNECTICUT

EAGLE PROJECT NUMBER: 14-028.12T12

INDEX OF DRAWINGS

LOCATION MAP



JUNE 23, 2014

EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

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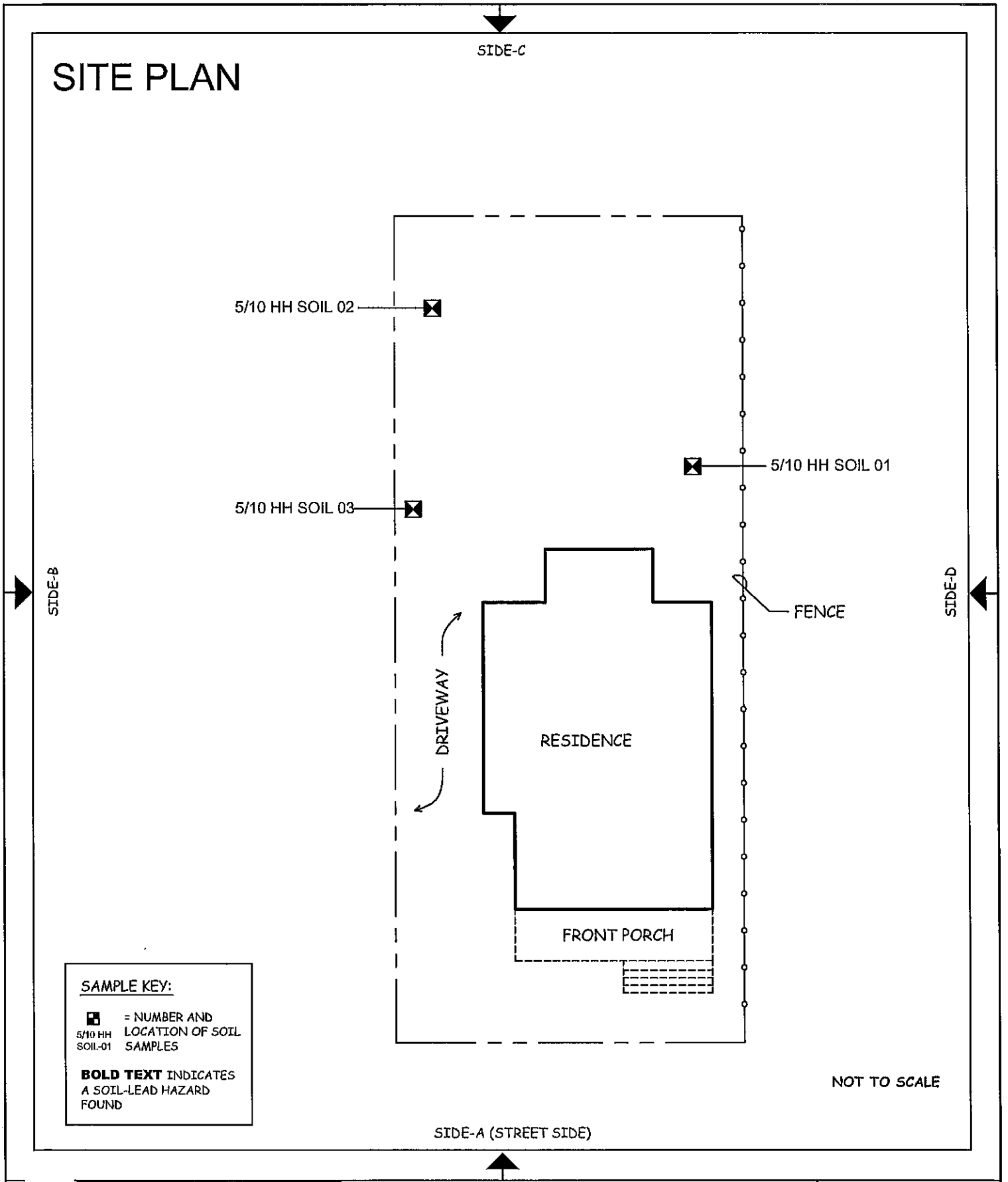
SITE PLAN



EAGLE Environmental, Inc.
8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 06/23/14
PROJECT NO.: 14-028.12T12
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT
SITE PLAN WITH SOIL SAMPLE LOCATIONS

SHEET NO.
SP-1

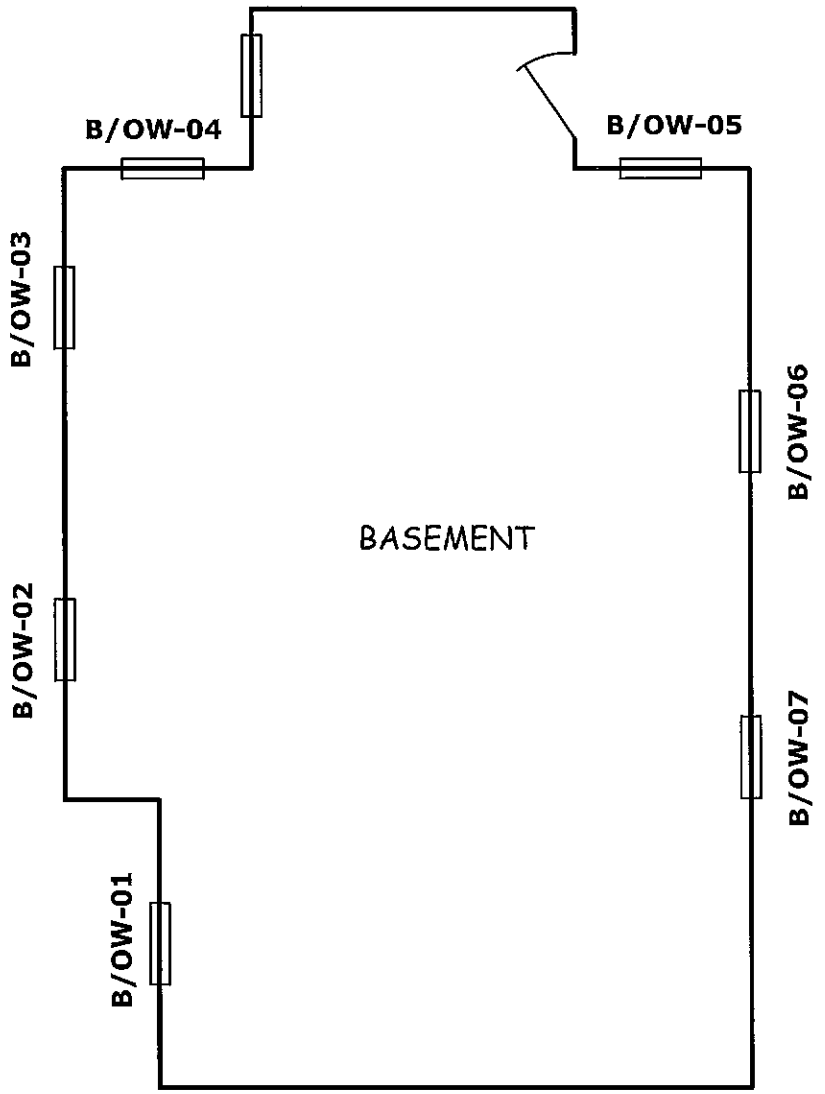
\\eaglesvr\public\2014 files\2014 autocad\capital studio architects\20 arhtur street\inspection\cad\20 arhtur street.dwg

BASEMENT

SIDE-C

WINDOW KEY:

- **B** = BASEMENT
- **DC** = DECORATIVE
- **OW** = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)
- **V** = VINYL SASH



SIDE-B

SIDE-D

NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 06/23/14
PROJECT NO.: 14-028.12T12
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT
BASEMENT PLAN

SHEET NO.

FP-1

\\eaglesvr\public\2014 files\2014 autocad\capital studio architects\20 arhtur street\inspection\cad\20 arhtur street.dwg

FIRST FLOOR

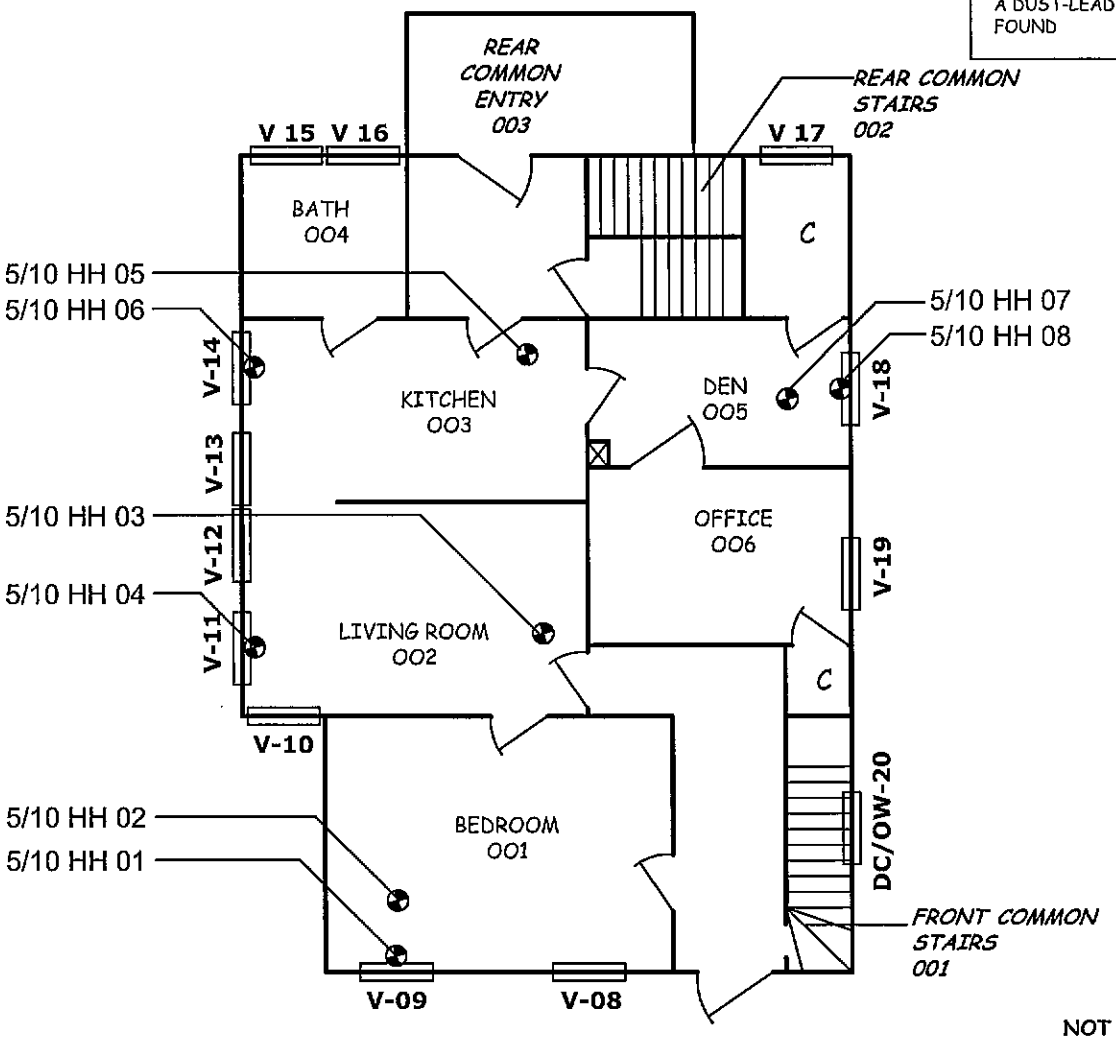
SIDE-C

WINDOW KEY:

- **B** = BASEMENT
- **DC** = DECORATIVE
- **OW** = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)
- **V** = VINYL SASH

SAMPLE KEY:

- 05/10 KHH-01 = NUMBER AND LOCATION OF DUST SAMPLES
- **BOLD TEXT** INDICATES A DUST-LEAD HAZARD FOUND



NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 06/23/14
PROJECT NO.: 14-028.12T12
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT
FIRST FLOOR PLAN WITH SAMPLE LOCATIONS

SHEET NO.

FP-2

\\eaglesvr\public\2014 files\2014 autocad\capital studio architects\20 arhtur street\inspection\cad\20 arhtur street.dwg

SECOND FLOOR

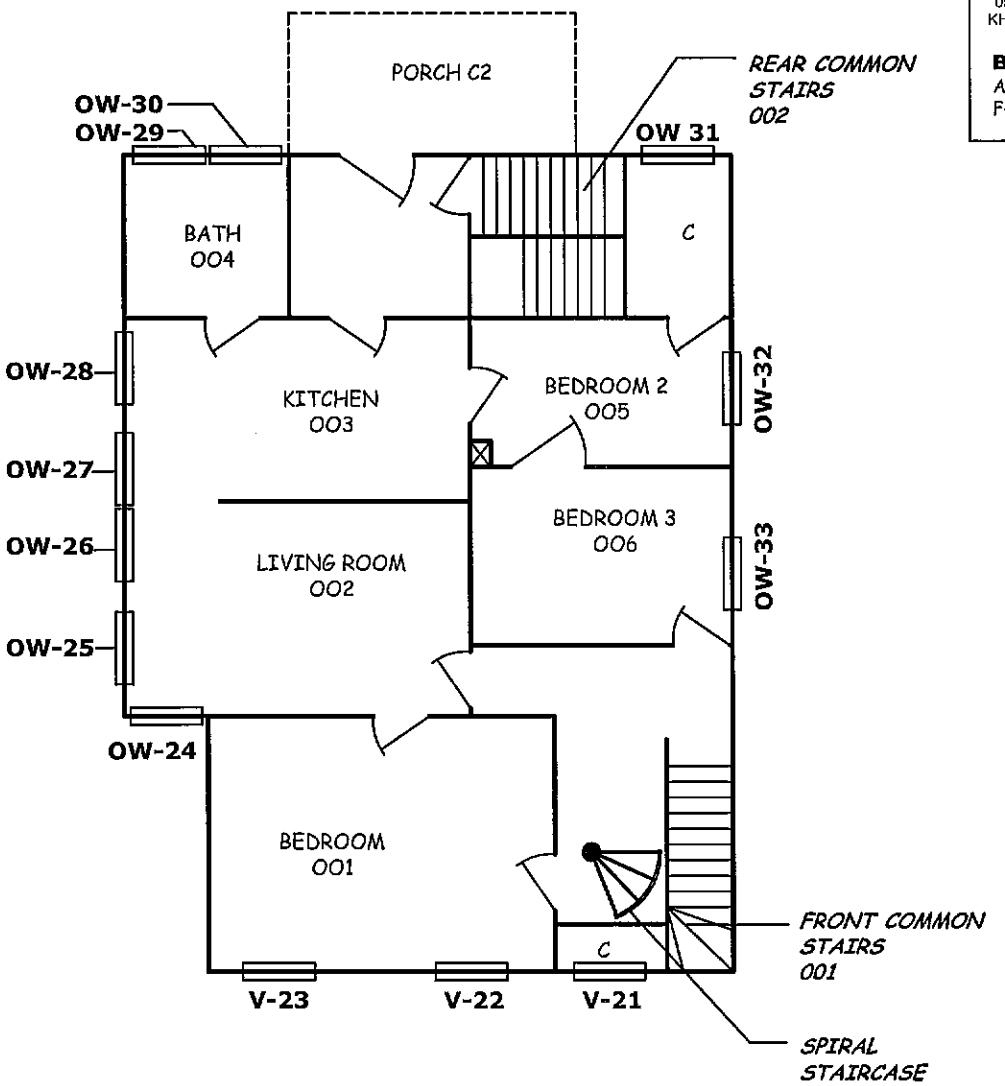
SIDE-C

WINDOW KEY:

- **B** = BASEMENT
- **DC** = DECORATIVE
- **OW** = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)
- **V** = VINYL SASH

SAMPLE KEY:

- ⊕ 05/10 KHH-01 = NUMBER AND LOCATION OF DUST SAMPLES
- **BOLD TEXT** INDICATES A DUST-LEAD HAZARD FOUND



NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 06/23/14
PROJECT NO.: 14-028.12T12
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT
SECOND FLOOR PLAN

SHEET NO.

FP-3

\\eaglesvr\public\2014 files\2014 autocad\capital studio architects\20 arhtur street\inspection\cad\20 arhtur street.dwg

THIRD FLOOR

SIDE-C

WINDOW KEY:

B = BASEMENT

DC = DECORATIVE

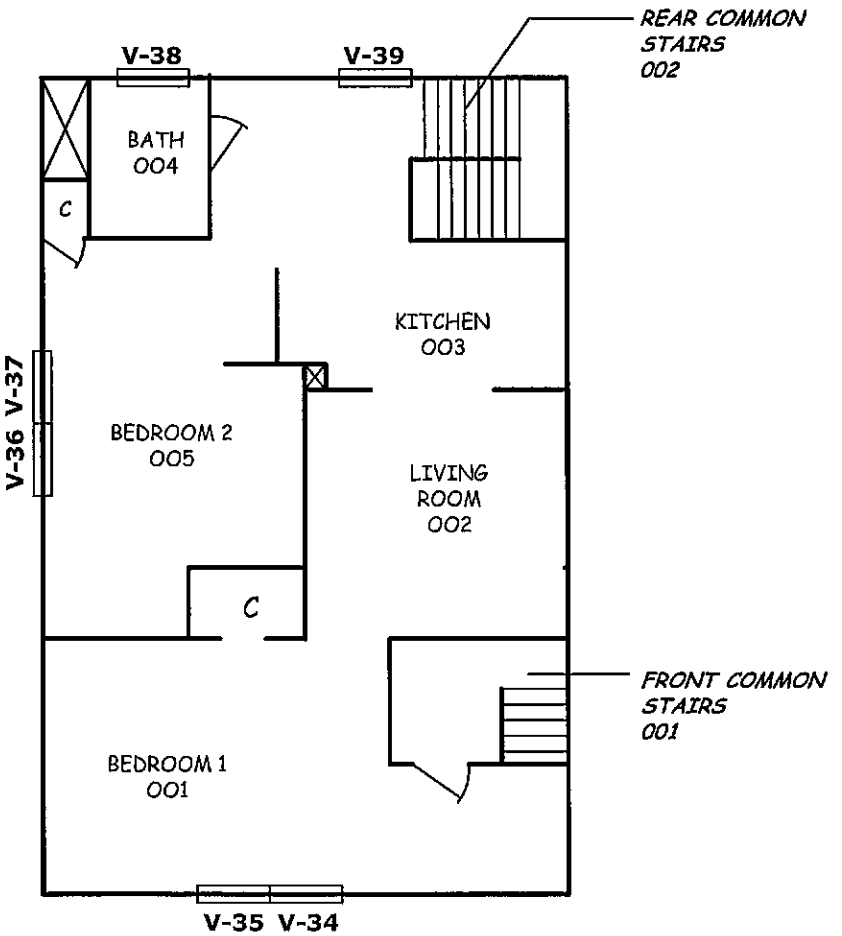
OW = OLDER OR ORIGINAL WOOD SASH (TESTED POSITIVE FOR LEAD-BASED PAINT)

V = VINYL SASH

SAMPLE KEY:

05/10 KHH-01 = NUMBER AND LOCATION OF DUST SAMPLES

BOLD TEXT INDICATES A DUST-LEAD HAZARD FOUND



SIDE-B

SIDE-D

NOT TO SCALE

C = CLOSET EVALUATED WITH ADJACENT ROOM

SIDE-A (STREET SIDE)

EAGLE Environmental, Inc.

8 SOUTH MAIN STREET, SUITE 3
TERRYVILLE, CONNECTICUT 06786
860-589-8257

DATE: 06/23/14
PROJECT NO.: 14-028.12T12
DRAWN BY: VB
REVIEWED BY: AH

ENVIRONMENTAL REVIEW
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT
THIRD FLOOR PLAN

SHEET NO.

FP-4

SHEET 5 OF 5

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APPENDIX 2

ASBESTOS BULK SAMPLE LABORATORY REPORTS

OrderID: 031415851

EMSL – MA	EMSL – CT	EMSL – NY	EMSL – NJ
7 Constitution Way, Ste 107	29 N. Plains Hwy, Unit 4	307 West 38th Street	107 Haddon Avenue
Woburn, MA 01801	Wallingford, CT 06492	New York, NY 10018	Westmont, NJ 08108
(781) 933-8411	(203) 284-5948	(866) 448-3675	(800) 220-3675
(781) 933-8412 Fax	(203) 284-5978 Fax	(212) 290-0058 Fax	(856) 858-4960 Fax

www.emsl.com

Your Name:	Brandy LeBlanc			**Project Manager:**	PF
Company:	Eagle Environmental, Inc.				
Street:	8 South Main Street, Suite 3				
City/State/Zip:	Terryville, CT 06786				
Phone:	860-589-8257 ext. 203	**Fax:**	860-585-7034	**Email:**	bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com
Project Name	CSA-Superstorm Sandy			**Project #:**	14-028.12T12
Project Location:	20 Arthur Street, New Haven			**Project State (US):**	CT

TURNAROUND TIME

☐ 3 Hours	☐ 6 Hours	☑ 24 Hours	☐ 48 Hours	☐ 72 Hours	☐ 4 Days	☐ 5 Days	☐ 6-10 Days

SAMPLE MATRIX

☐ Air	☑ Bulk	☐ Soil	☐ Wipe	☐ Micro-Vac	☐ Drinking Water	☐ Wastewater	☐ Chips	☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☒ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420☐ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010☐ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitreous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:_____

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

Additional Information/Comments/Instructions: ****PLEASE STOP ON 1ST POSITIVE WITHIN SETS**

Client Sample # (S)	4-24-AC-38	4-24-AC-52		**TOTAL SAMPLE #**	15/ 15
Relinquished:	ANDREW CARNEVALE	**Date:**	4-24-14	**Time:**	PM
Received:	RENEE SIOCH	**Date:**	4-24-14	**Time:**	PM
Relinquished:	RENEE SIOCH	**Date:**	4-25-14	**Time:**	PM
Received:		**Date:**	4/26/14	**Time:**	11:06AM

Page 1

OrderID: 031415851

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

EMSL – CT
29 N. Plains Hwy, Unit 4
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(212) 290-0058 Fax

EMSL – NJ
107 Haddon Avenue
Westmont, NJ 08108
(800) 220-3675
(856) 858-4960 Fax

www.emsl.com

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
4-24-AC-38	Gray debris on floor	Attic		NAD
4-24-AC-39	Gray debris on floor	Attic		
4-24-AC-40	Brown asphalt shingle	Main Roof		
4-24-AC-41	Brown asphalt shingle	Main Roof		
4-24-AC-42	Grey asphalt shingle	Main Roof		<1% Chrys
4-24-AC-43	Grey asphalt shingle	Main Roof		<1% Chrys
4-24-AC-44	Black vapor paper	Main Roof		NAD
4-24-AC-45	Black vapor paper	Main Roof		
4-24-AC-46	Black chimney flashing	Main Roof		
4-24-AC-47	Black chimney flashing	Main Roof		
4-24-AC-48	Blue asphalt shingle	Back Porch		
4-24-AC-49	Blue asphalt shingle	Back Porch		
4-24-AC-50	Blown-in insulation	Roof-Attic		
4-24-AC-51	Blown-in insulation	Roof-Attic		
4-24-AC-52	Blown-in insulation	Roof-Attic		

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031415851
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. - CT
8 South Main Street
Suite 3
Terryville, CT 06786

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/26/14 11:06 AM
Analysis Date:	4/28/2014
Collected:	4/24/2014

Project: **14-028.12T12/ CSA-SUPERSTORM SANDY/ 20 ARTHUR STREET, NEW HAVEN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos		Asbestos
Sample	**Description**	**Appearance**	**% Fibrous**	**% Non-Fibrous**	**% Type**
4-24-AC-38 *031415851-0001*	GRAY DEBRIS ON FLOOR - ATTIC	Brown Non-Fibrous Homogeneous	10% Cellulose	55% Matrix 35% Non-fibrous (other)	**None Detected**
4-24-AC-39 *031415851-0002*	GRAY DEBRIS ON FLOOR - ATTIC	Brown Non-Fibrous Heterogeneous		25% Ca Carbonate 65% Matrix 10% Non-fibrous (other)	**None Detected**
4-24-AC-40 *031415851-0003*	BROWN ASPHALT SHINGLE - MAIN ROOF	Black Non-Fibrous Homogeneous	10% Glass	25% Quartz 65% Non-fibrous (other)	**None Detected**
4-24-AC-41 *031415851-0004*	BROWN ASPHALT SHINGLE - MAIN ROOF	Black Non-Fibrous Homogeneous	5% Glass	15% Ca Carbonate 50% Matrix 30% Non-fibrous (other)	**None Detected**
4-24-AC-42 *031415851-0005*	GREY ASPHALT SHINGLE - MAIN ROOF	Black Non-Fibrous Homogeneous	12% Glass	25% Quartz 63% Non-fibrous (other)	**<1% Chrysotile**
4-24-AC-43 *031415851-0006*	GREY ASPHALT SHINGLE - MAIN ROOF	White/Black Non-Fibrous Heterogeneous		60% Matrix 40% Non-fibrous (other)	**<1% Chrysotile**
4-24-AC-44 *031415851-0007*	BLACK VAPOR PAPER - MAIN ROOF	Black Non-Fibrous Homogeneous	55% Cellulose	45% Non-fibrous (other)	**None Detected**
4-24-AC-45 *031415851-0008*	BLACK VAPOR PAPER - MAIN ROOF	Gray Non-Fibrous Heterogeneous	80% Cellulose	20% Non-fibrous (other)	**None Detected**

Analyst(s)
Jessica Fearon-Brown (8)
Kamel Alawawda (7)

James Hall, Laboratory Manager
or other approved signatory

Initial report from 04/28/2014 20:39:02

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031415851
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. - CT
8 South Main Street
Suite 3
Terryville, CT 06786

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	04/26/14 11:06 AM
Analysis Date:	4/28/2014
Collected:	4/24/2014

Project: **14-028.12T12/ CSA-SUPERSTORM SANDY/ 20 ARTHUR STREET, NEW HAVEN, CT**

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

			Non-Asbestos			Asbestos
Sample	Description	Appearance	% Fibrous		% Non-Fibrous	% Type
4-24-AC-46 *031415851-0009*	BLACK CHIMNEY FLASHING - MAIN ROOF	Black Non-Fibrous Homogeneous	15%	Cellulose	20% Quartz 65% Non-fibrous (other)	**None Detected**
4-24-AC-47 *031415851-0010*	BLACK CHIMNEY FLASHING - MAIN ROOF	Black Non-Fibrous Homogeneous	5%	Cellulose	60% Matrix 35% Non-fibrous (other)	**None Detected**
4-24-AC-48 *031415851-0011*	BLUE ASPHALT SHINGLE - BACK PORCH	Black Non-Fibrous Homogeneous	25%	Cellulose	15% Quartz 60% Non-fibrous (other)	**None Detected**
4-24-AC-49 *031415851-0012*	BLUE ASPHALT SHINGLE - BACK PORCH	Black Non-Fibrous Homogeneous	40%	Cellulose	60% Non-fibrous (other)	**None Detected**
4-24-AC-50 *031415851-0013*	BLOWN-IN INSULATION - ROOF-ATTIC	Brown Fibrous Homogeneous	90%	Cellulose	10% Non-fibrous (other)	**None Detected**
4-24-AC-51 *031415851-0014*	BLOWN-IN INSULATION - ROOF-ATTIC	Brown Fibrous Homogeneous	88%	Cellulose	12% Non-fibrous (other)	**None Detected**
4-24-AC-52 *031415851-0015*	BLOWN-IN INSULATION - ROOF-ATTIC	Tan Fibrous Homogeneous	75%	Cellulose	10% Perlite 15% Non-fibrous (other)	**None Detected**

Analyst(s)
Jessica Fearon-Brown (8)
Kamel Alawawda (7)

James Hall, Laboratory Manager
or other approved signatory

Initial report from 04/28/2014 20:39:02

APPENDIX 3

XRF LEAD-BASED PAINT INSPECTION REPORTS

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01509 - 05/10/14 09:23

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

PERFORMED AT: 20 Arthur Street
New Haven, Connecticut
1st Floor

INSPECTION DATE: 05/10/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002244

A lead-based paint inspection was performed for the defective paint on the 1st Floor at 20 Arthur Street in New Haven, Connecticut

SIGNED: _____ Date: 5/12/14

Hannah Hintz
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Suite 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	1st Floor
Report No.	S#01509 - 05/10/14 09:23	
Total Readings:	92 Actionable: 41	
Job Started:	05/10/14 09:23	
Job Finished:	05/10/14 10:23	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Bedroom									
014	A	Window panel	Lft		P	Wood	Pink	2.6	QM
008	A	Baseboard	Ctr		P	Wood	White	>9.9	QM
013	A	Window	Lft	Apron	P	Wood	stain	8.9	QM
012	A	Window	Lft	Sill	P	Wood	stain	7.2	QM
007	A	W. PanelCsg	Lft		I	Wood	Pink	5.0	QM
Interior Room 002 Living Rm									
040	B	Window Panel	Rgt	Casing	P	Wood	Yellow	>9.9	QM
041	B	Window Panel	Rgt		P	Wood	Yellow	>9.9	QM
039	B	Window	Rgt	Apron	P	Wood	stain	5.6	QM
038	B	Window	Rgt	Sill	P	Wood	stain	>9.9	QM
024	D	Baseboard	Ctr		P	Wood	White	3.4	QM
Interior Room 003 Kitchen									
044	A	Window	Lft	Sill	P	Wood	stain	>9.9	QM
042	B	Window	Lft	Casing	P	Wood	stain	>9.9	QM
045	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
047	C	Door	Lft	Jamb	P	Wood	stain	>9.9	QM
048	C	Door	Lft	Stop	P	Wood	stain	>9.9	QM
Interior Room 004 Bath									
055	A	Window	Rgt	Casing	P	Wood	stain	>9.9	QM
056	A	Window	Rgt	Stop	P	Wood	stain	8.7	QM
059	A	Door	Lft	Casing	P	Wood	stain	>9.9	QM
Interior Room 005 Den									
074	B	Door	Rgt	Casing	P	Wood	stain	9.5	QM
075	B	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
076	B	Door	Rgt	Stop	P	Wood	stain	>9.9	QM
077	B	Door	Rgt	N\A	P	Wood	stain	1.0	QM
073	C	Closet	Ctr	Window Csg.	P	Wood	White	>9.9	QM
		Window components inaccessible assume lbp.							
071	C	Closet	Ctr	Wall	P	Plaster	White	7.8	QM
		Window panel and window apron inaccessible assume to have LBP							
078	C	Closet	Rgt	Ceiling	P	Plaster	White	>9.9	QM
066	D	Baseboard	Ctr		P	Wood	White	>9.9	QM
068	D	Window	Ctr	Casing	P	Wood	stain	5.2	QM
069	D	Window	Ctr	Stop	P	Wood	stain	5.8	QM
070	D	Window	Ctr	Sill	P	Wood	stain	>9.9	QM

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 006 Office									
087	A	Closet	Lft	Shelf Sup.	P	Wood	White	>9.9	QM
079	B	Baseboard	Ctr		P	Wood	White	>9.9	QM
088	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
089	C	Door	Lft	Jamb	P	Wood	stain	1.7	QM
090	C	Door	Lft	Stop	P	Wood	stain	5.2	QM
091	C	Door	Lft		P	Wood	stain	1.0	QM
084	D	Window Panel	Rgt	Casing	P	Wood	stain	1.6	QM
085	D	Window Panel	Rgt		P	Wood	Pink	>9.9	QM
080	D	Window	Rgt	Casing	P	Wood	stain	2.5	QM
081	D	Window	Rgt	Stop	P	Wood	stain	2.8	QM
083	D	Window	Rgt	Apron	P	Wood	stain	>9.9	QM
082	D	Window	Rgt	Sill	P	Wood	stain	3.2	QM
Calibration Readings									

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	1st Floor
Report No.	S#01509 - 05/10/14 09:23	
Total Readings:	92	
Job Started:	05/10/14 09:23	
Job Finished:	05/10/14 10:23	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Bedroom									
019	-	Floor	Ctr		P	Wood	stain	0.0	QM
014	A	Window panel	Lft		P	Wood	Pink	2.6	QM
004	A	Wall	Ctr		P	Plaster	Pink	-0.1	QM
008	A	Baseboard	Ctr		P	Wood	White	>9.9	QM
010	A	Window	Lft	Casing	P	Wood	stain	0.0	QM
011	A	Window	Lft	Stop	P	Wood	stain	0.0	QM
013	A	Window	Lft	Apron	P	Wood	stain	8.9	QM
012	A	Window	Lft	Sill	P	Wood	stain	7.2	QM
007	A	W. PanelCsg	Lft		I	Wood	Pink	5.0	QM
005	B	Wall	Lft		P	Plaster	Pink	-0.1	QM
006	C	Wall	Ctr		P	Plaster	Pink	-0.2	QM
015	C	Door	Ctr	Orig.Casing	P	Wood	stain	0.3	QM
016	C	Door	Ctr	Casing	P	Wood	stain	-0.1	QM
017	C	Door	Ctr	Jamb	P	Wood	stain	-0.1	QM
018	C	Door	Ctr	Stop	P	Wood	stain	0.1	QM
009	D	Wall	Lft		P	Plaster	Pink	-0.1	QM
Interior Room 002 Living Rm									
025	-	Floor	Ctr		P	Wood	stain	-0.1	QM
020	A	Wall	Lft		P	Plaster	Yellow	-0.1	QM
040	B	Window Panel	Rgt	Casing	P	Wood	Yellow	>9.9	QM
041	B	Window Panel	Rgt		P	Wood	Yellow	>9.9	QM
021	B	Wall	Rgt		P	Plaster	Yellow	-0.1	QM
036	B	Window	Rgt	Casing	P	Wood	stain	0.2	QM
037	B	Window	Rgt	Stop	P	Wood	stain	0.0	QM
039	B	Window	Rgt	Apron	P	Wood	stain	5.6	QM
038	B	Window	Rgt	Sill	P	Wood	stain	>9.9	QM
022	C	Wall	Lft		P	Plaster	Yellow	-0.1	QM
023	D	Wall	Ctr		P	Plaster	Yellow	0.0	QM
024	D	Baseboard	Ctr		P	Wood	White	3.4	QM
026	D	Door	Ctr	Casing	P	Wood	stain	-0.1	QM
027	D	Door	Ctr	Jamb	P	Wood	stain	0.0	QM
028	D	Door	Ctr	Stop	P	Wood	stain	0.0	QM
029	D	Door	Ctr		P	Wood	stain	0.1	QM
Interior Room 003 Kitchen									
035	-	Floor	Lft		P	Wood	stain	-0.1	QM
030	A	Wall	Ctr		P	Plaster	Purple	-0.1	QM
043	A	Window	Lft	Stop	P	Wood	stain	0.0	QM
044	A	Window	Lft	Sill	P	Wood	stain	>9.9	QM
031	B	Wall	Ctr		P	Plaster	Purple	-0.1	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
042	B	Window	Lft	Casing	P	Wood	stain	>9.9	QM
032	C	Wall	Ctr		P	Plaster	Purple	0.0	QM
045	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
046	C	Door	Lft	N\A	P	Wood	stain	0.4	QM
047	C	Door	Lft	Jamb	P	Wood	stain	>9.9	QM
048	C	Door	Lft	Stop	P	Wood	stain	>9.9	QM
061	C	Door	Rgt	N\A	P	Wood	stain	-0.1	QM
033	D	Wall	Ctr		P	Plaster	Purple	-0.2	QM
034	D	Baseboard	Lft		P	Wood	White	0.0	QM
Interior Room 004 Bath									
049	A	Wall	Ctr		P	Dry wall	red	-0.2	QM
050	A	Wall	Ctr		P	Dry wall	Gray	-0.1	QM
055	A	Window	Rgt	Casing	P	Wood	stain	>9.9	QM
056	A	Window	Rgt	Stop	P	Wood	stain	8.7	QM
058	A	Window	Rgt	Apron	P	Wood	stain	-0.2	QM
057	A	Window	Rgt	Sill	P	Wood	stain	-0.1	QM
059	A	Door	Lft	Casing	P	Wood	stain	>9.9	QM
060	A	Door	Lft	N\A	P	Wood	stain	0.0	QM
051	B	Wall	Rgt		P	Dry wall	red	-0.1	QM
052	C	Wall	Rgt		P	Dry wall	red	-0.2	QM
053	D	Wall	Lft		P	Dry wall	Gray	-0.1	QM
054	D	Ceiling	Lft		P	Dry wall	White	-0.1	QM
Interior Room 005 Den									
067	-	Floor	Ctr		P	Wood	stain	0.1	QM
062	A	Wall	Rgt		P	Plaster	blue	0.0	QM
063	B	Wall	Rgt		P	Plaster	blue	-0.1	QM
074	B	Door	Rgt	Casing	P	Wood	stain	9.5	QM
075	B	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
076	B	Door	Rgt	Stop	P	Wood	stain	>9.9	QM
077	B	Door	Rgt	N\A	P	Wood	stain	1.0	QM
064	C	Wall	Ctr		P	Plaster	blue	0.0	QM
073	C	Closet	Ctr	Window Csg.	P	Wood	White	>9.9	QM
	Window components inaccessible assume lbp.								
071	C	Closet	Ctr	Wall	P	Plaster	White	7.8	QM
	Window panel and window apron inaccessible assume to have LBP								
072	C	Closet	Ctr	Shelf Sup.	P	Wood	White	0.2	QM
078	C	Closet	Rgt	Ceiling	P	Plaster	White	>9.9	QM
065	D	Wall	Ctr		P	Plaster	blue	0.0	QM
066	D	Baseboard	Ctr		P	Wood	White	>9.9	QM
068	D	Window	Ctr	Casing	P	Wood	stain	5.2	QM
069	D	Window	Ctr	Stop	P	Wood	stain	5.8	QM
070	D	Window	Ctr	Sill	P	Wood	stain	>9.9	QM
Interior Room 006 Office									
092	-	Floor	Lft		P	Wood	stain	-0.1	QM
086	A	Closet	Lft	Wall	P	Plaster	White	-0.1	QM
087	A	Closet	Lft	Shelf Sup.	P	Wood	White	>9.9	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
079	B	Baseboard	Ctr		P	Wood	White	>9.9	QM
088	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
089	C	Door	Lft	Jamb	P	Wood	stain	1.7	QM
090	C	Door	Lft	Stop	P	Wood	stain	5.2	QM
091	C	Door	Lft		P	Wood	stain	1.0	QM
084	D	Window Panel	Rgt	Casing	P	Wood	stain	1.6	QM
085	D	Window Panel	Rgt		P	Wood	Pink	>9.9	QM
080	D	Window	Rgt	Casing	P	Wood	stain	2.5	QM
081	D	Window	Rgt	Stop	P	Wood	stain	2.8	QM
083	D	Window	Rgt	Apron	P	Wood	stain	>9.9	QM
082	D	Window	Rgt	Sill	P	Wood	stain	3.2	QM
Calibration Readings									
001								1.0	TC
002								0.9	TC
003								1.0	TC

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01509 - 05/10/14 12:53

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

PERFORMED AT: 20 Arthur Street
New Haven, Connecticut
2nd Floor

INSPECTION DATE: 05/10/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002244

A lead-based paint inspection was performed for the defective paint on the 2nd Floor at 20 Arthur Street in New Haven, Connecticut

SIGNED: _____ Date: 5/12/14

Hannah Hintz
Lead Inspector /Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Suite 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	2nd Floor
Report No.	S#01509 - 05/10/14 12:53	
Total Readings:	88 Actionable: 65	
Job Started:	05/10/14 12:53	
Job Finished:	05/10/14 13:41	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Bedroom 1									
019	A	Window Panel	Rgt	Casing	P	Wood	Purple	>9.9	QM
020	A	Window Panel	Rgt		P	Wood	Purple	>9.9	QM
010	A	Window	Lft	Jamb	P	Wood	Pink	>9.9	QM
012	A	Window	Lft	Stop	P	Wood	Pink	2.0	QM
009	A	Window	Lft	Sash	P	Wood	White	>9.9	QM
011	A	Window	Lft	Well	P	Wood	Pink	1.8	QM
013	A	Window	Lft	Apron	P	Wood	stain	>9.9	QM
008	A	Window	Lft	Sill	P	Wood	brown	3.3	QM
017	A	Window	Rgt	Stop	P	Wood	White	>9.9	QM
018	A	Window	Rgt	Jamb	P	Wood	Pink	5.8	QM
014	A	Window	Rgt	Sash	P	Wood	White	>9.9	QM
016	A	Window	Rgt	Apron	P	Wood	stain	>9.9	QM
015	A	Window	Rgt	Sill	P	Wood	stain	>9.9	QM
024	C	Orig. Door	Ctr	Casing	P	Wood	stain	>9.9	QM
025	C	Orig. Door	Ctr	Jamb	P	Wood	stain	>9.9	QM
006	C	Baseboard	Rgt		P	Wood	White	>9.9	QM
021	D	Closet	Rgt	Baseboard	P	Wood	White	8.9	QM
022	D	Closet	Rgt	Win. Sill	P	Wood	stain	7.0	QM
023	D	Closet	Rgt	Win. Sash	P	Wood	stain	2.7	QM
Interior Room 002 Living Rm									
034	A	Window	Rgt	Stop	P	Wood	White	>9.9	QM
033	A	Window	Rgt	Sash	P	Wood	White	1.0	QM
042	B	Window Panel	Lft		P	Wood	blue	>9.9	QM
043	B	Window Panel	Lft	Casing	P	Wood	blue	>9.9	QM
031	B	Radiator	Rgt		P	Metal	Gray	1.0	QM
032	B	Radiator	Rgt		P	Metal	Gray	1.2	TC
037	B	Window	Lft	Sash	P	Wood	White	>9.9	QM
036	B	Window	Lft	Apron	P	Wood	stain	7.0	QM
035	B	Window	Lft	Sill	P	Wood	stain	6.5	QM
041	B	Window	Rgt	Sash	P	Wood	White	>9.9	QM
040	B	Window	Rgt	Apron	P	Wood	stain	9.3	QM
039	B	Window	Rgt	Sill	P	Wood	stain	8.5	QM
030	C	Baseboard	Ctr		P	Wood	White	>9.9	QM
Interior Room 003 Kitchen									
049	B	Window	Rgt	Stop	P	Wood	White	1.0	QM
050	B	Window	Rgt	Jamb	P	Wood	stain	5.0	QM
048	B	Window	Rgt	Sash	P	Wood	White	>9.9	QM
051	B	Window	Rgt	Sill	P	Wood	stain	3.1	QM

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 004 Bathroom									
054	A	Wall	Lft		P	Plaster	White	>9.9	QM
053	A	Wall	Ctr		P	Plaster	White	>9.9	QM
058	A	Door	Ctr	Casing	P	Wood	stain	6.0	QM
060	A	Door	Ctr	Stop	P	Wood	stain	>9.9	QM
061	C	Window	Lft	Casing	P	Wood	White	>9.9	QM
062	C	Window	Lft	Apron	P	Wood	White	>9.9	QM
055	D	Wall	Ctr		P	Plaster	White	1.5	QM
Interior Room 005 Bedroom 2									
073	C	Closet	Rgt	Baseboard	P	Wood	White	>9.9	QM
075	C	Closet	Rgt	Win. Casing	P	Wood	stain	>9.9	QM
076	C	Closet	Rgt	Win. Sill	P	Wood	stain	>9.9	QM
071	C	Closet	Rgt	Wall	P	Plaster	Beige	>9.9	QM
072	C	Closet	Rgt	Shelf Sup.	P	Wood	Beige	>9.9	QM
074	C	Wall	Rgt		P	Plaster	White	>9.9	QM
063	D	Radiator	Lft		P	Metal	White	1.0	QM
065	D	Window	Lft	Casing	P	Wood	stain	>9.9	QM
069	D	Window	Lft	Jamb	P	Wood	White	>9.9	QM
070	D	Window	Lft	Stop	P	Wood	stain	>9.9	QM
068	D	Window	Lft	Sash	P	Wood	White	>9.9	QM
067	D	Window	Lft	Apron	P	Wood	stain	>9.9	QM
066	D	Window	Lft	Sill	P	Wood	stain	9.6	QM
Interior Room 006 Bedroom 3									
078	D	Window Panel	Rgt		P	Wood	Purple	>9.9	QM
079	D	Window Panel	Rgt	Casing	P	Wood	Purple	>9.9	QM
077	D	Baseboard	Lft		P	Wood	White	>9.9	QM
081	D	Window	Rgt	Jamb	P	Wood	White	>9.9	QM
082	D	Window	Rgt	Stop	P	Wood	stain	>9.9	QM
083	D	Window	Rgt	Casing	P	Wood	stain	>9.9	QM
080	D	Window	Rgt	Sash	P	Wood	White	>9.9	QM
085	D	Window	Rgt	Apron	P	Wood	stain	>9.9	QM
084	D	Window	Rgt	Sill	P	Wood	stain	>9.9	QM
Calibration Readings									

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	2nd Floor
Report No.	S#01509 - 05/10/14 12:53	
Total Readings:	88	
Job Started:	05/10/14 12:53	
Job Finished:	05/10/14 13:41	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Bedroom 1									
007	A	Radiator	Lft		P	Metal	White	0.3	QM
019	A	Window Panel	Rgt	Casing	P	Wood	Purple	>9.9	QM
020	A	Window Panel	Rgt		P	Wood	Purple	>9.9	QM
010	A	Window	Lft	Jamb	P	Wood	Pink	>9.9	QM
012	A	Window	Lft	Stop	P	Wood	Pink	2.0	QM
009	A	Window	Lft	Sash	P	Wood	White	>9.9	QM
011	A	Window	Lft	Well	P	Wood	Pink	1.8	QM
013	A	Window	Lft	Apron	P	Wood	stain	>9.9	QM
008	A	Window	Lft	Sill	P	Wood	brown	3.3	QM
017	A	Window	Rgt	Stop	P	Wood	White	>9.9	QM
018	A	Window	Rgt	Jamb	P	Wood	Pink	5.8	QM
014	A	Window	Rgt	Sash	P	Wood	White	>9.9	QM
016	A	Window	Rgt	Apron	P	Wood	stain	>9.9	QM
015	A	Window	Rgt	Sill	P	Wood	stain	>9.9	QM
004	B	Wall	Lft		P	Plaster	blue	0.0	QM
024	C	Orig. Door	Ctr	Casing	P	Wood	stain	>9.9	QM
025	C	Orig. Door	Ctr	Jamb	P	Wood	stain	>9.9	QM
026	C	Orig. Door	Ctr	Stop	P	Wood	stain	0.6	QM
006	C	Baseboard	Rgt		P	Wood	White	>9.9	QM
005	D	Wall	Lft		P	Plaster	blue	0.3	QM
021	D	Closet	Rgt	Baseboard	P	Wood	White	8.9	QM
022	D	Closet	Rgt	Win. Sill	P	Wood	stain	7.0	QM
023	D	Closet	Rgt	Win. Sash	P	Wood	stain	2.7	QM
Interior Room 002 Living Rm									
027	A	Wall	Lft		P	Plaster	blue	0.4	QM
034	A	Window	Rgt	Stop	P	Wood	White	>9.9	QM
033	A	Window	Rgt	Sash	P	Wood	White	1.0	QM
042	B	Window Panel	Lft		P	Wood	blue	>9.9	QM
043	B	Window Panel	Lft	Casing	P	Wood	blue	>9.9	QM
031	B	Radiator	Rgt		P	Metal	Gray	1.0	QM
032	B	Radiator	Rgt		P	Metal	Gray	1.2	TC
028	B	Wall	Lft		P	Plaster	blue	-0.1	QM
029	B	Wall	Ctr		P	Plaster	blue	0.0	QM
037	B	Window	Lft	Sash	P	Wood	White	>9.9	QM
038	B	Window	Lft	Well	P	Wood	red	0.5	QM
036	B	Window	Lft	Apron	P	Wood	stain	7.0	QM
035	B	Window	Lft	Sill	P	Wood	stain	6.5	QM
041	B	Window	Rgt	Sash	P	Wood	White	>9.9	QM
040	B	Window	Rgt	Apron	P	Wood	stain	9.3	QM
039	B	Window	Rgt	Sill	P	Wood	stain	8.5	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
030	C	Baseboard	Ctr		P	Wood	White	>9.9	QM
086	D	Door	Rgt	Casing	P	Wood	stain	-0.1	QM
087	D	Door	Rgt	Jamb	P	Wood	stain	0.3	QM
088	D	Door	Rgt	Stop	P	Wood	stain	0.0	QM
Interior Room 003 Kitchen									
045	A	Wall	Rgt		P	Plaster	Yellow	0.0	QM
044	B	Radiator	Lft		P	Metal	White	0.3	QM
047	B	Baseboard	Rgt		P	Wood	White	-0.2	QM
049	B	Window	Rgt	Stop	P	Wood	White	1.0	QM
050	B	Window	Rgt	Jamb	P	Wood	stain	5.0	QM
048	B	Window	Rgt	Sash	P	Wood	White	>9.9	QM
051	B	Window	Rgt	Sill	P	Wood	stain	3.1	QM
046	C	Wall	Lft		P	Plaster	Yellow	0.2	QM
Interior Room 004 Bathroom									
056	-	Ceiling	Ctr		P	Plaster	White	-0.1	QM
054	A	Wall	Lft		P	Plaster	White	>9.9	QM
053	A	Wall	Ctr		P	Plaster	White	>9.9	QM
057	A	Door	Ctr	Casing	P	Wood	stain	0.0	QM
058	A	Door	Ctr	Casing	P	Wood	stain	6.0	QM
059	A	Door	Ctr	Jamb	P	Wood	stain	0.0	QM
060	A	Door	Ctr	Stop	P	Wood	stain	>9.9	QM
052	C	Wall	Rgt		P	Plaster	White	-0.1	QM
061	C	Window	Lft	Casing	P	Wood	White	>9.9	QM
062	C	Window	Lft	Apron	P	Wood	White	>9.9	QM
055	D	Wall	Ctr		P	Plaster	White	1.5	QM
Interior Room 005 Bedroom 2									
073	C	Closet	Rgt	Baseboard	P	Wood	White	>9.9	QM
075	C	Closet	Rgt	Win. Casing	P	Wood	stain	>9.9	QM
076	C	Closet	Rgt	Win. Sill	P	Wood	stain	>9.9	QM
071	C	Closet	Rgt	Wall	P	Plaster	Beige	>9.9	QM
072	C	Closet	Rgt	Shelf Sup.	P	Wood	Beige	>9.9	QM
074	C	Wall	Rgt		P	Plaster	White	>9.9	QM
063	D	Radiator	Lft		P	Metal	White	1.0	QM
064	D	Radiator	Lft		P	Metal	White	0.5	TC
065	D	Window	Lft	Casing	P	Wood	stain	>9.9	QM
069	D	Window	Lft	Jamb	P	Wood	White	>9.9	QM
070	D	Window	Lft	Stop	P	Wood	stain	>9.9	QM
068	D	Window	Lft	Sash	P	Wood	White	>9.9	QM
067	D	Window	Lft	Apron	P	Wood	stain	>9.9	QM
066	D	Window	Lft	Sill	P	Wood	stain	9.6	QM
Interior Room 006 Bedroom 3									
078	D	Window Panel	Rgt		P	Wood	Purple	>9.9	QM
079	D	Window Panel	Rgt	Casing	P	Wood	Purple	>9.9	QM
077	D	Baseboard	Lft		P	Wood	White	>9.9	QM
081	D	Window	Rgt	Jamb	P	Wood	White	>9.9	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
082	D	Window	Rgt	Stop	P	Wood	stain	>9.9	QM
083	D	Window	Rgt	Casing	P	Wood	stain	>9.9	QM
080	D	Window	Rgt	Sash	P	Wood	White	>9.9	QM
085	D	Window	Rgt	Apron	P	Wood	stain	>9.9	QM
084	D	Window	Rgt	Sill	P	Wood	stain	>9.9	QM
Calibration Readings									
001								1.1	TC
002								1.1	TC
003								1.1	TC

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01509 - 05/10/14 11:15

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

PERFORMED AT: 20 Arthur Street
New Haven, Connecticut
3rd Floor

INSPECTION DATE: 05/10/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002244

A lead-based paint inspection was performed for the defective paint on the 3rd Floor at 20 Arthur Street in New Haven, Connecticut

SIGNED: _____ Date: 5/12/14

Hannah Hintz
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Suite 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	3rd Floor
Report No.	S#01509 - 05/10/14 11:15	
Total Readings:	74 Actionable: 10	
Job Started:	05/10/14 11:15	
Job Finished:	05/10/14 11:46	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Bedroom 1									
013	C	Door	Rgt	Stop	P	Wood	White	2.0	QM
023	C	Closet	Lft	Shelf Sup.	P	Wood	White	>9.9	QM
Interior Room 003 Kitchen									
036	C	Window	Ctr	Casing	P	Wood	Beige	>9.9	QM
042	C	Stairs	Rgt	Stringers	P	Wood	brown	>9.9	QM
040	C	Stairs	Rgt	Treads	P	Wood	brown	6.8	QM
041	C	Stairs	Rgt	Risers	P	Wood	brown	>9.9	QM
Interior Room 005 Bedroom 2									
071	C	Closet	Lft	Door Stop	P	Wood	White	>9.9	QM
074	C	Closet	Lft	Baseboard	P	Wood	White	>9.9	QM
069	C	Closet	Lft	Door Casing	P	Wood	White	>9.9	QM
070	C	Closet	Lft	Door Jamb	P	Wood	White	>9.9	QM
Calibration Readings									

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	3rd Floor
Report No.	S#01509 - 05/10/14 11:15	
Total Readings:	74	
Job Started:	05/10/14 11:15	
Job Finished:	05/10/14 11:46	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Bedroom 1									
004	-	Ceiling	Lft		P	Dry wall	White	-0.1	QM
008	A	Wall	Lft		P	Dry wall	Yellow	-0.2	QM
009	A	Baseboard	Lft		P	Wood	White	0.0	QM
014	A	Window	Lft	Casing	P	Wood	stain	0.3	QM
017	A	Window	Lft	Stop	P	Wood	stain	-0.1	QM
016	A	Window	Lft	Apron	P	Wood	stain	0.0	QM
015	A	Window	Lft	Sill	P	Wood	stain	-0.3	QM
005	B	Wall	Ctr		P	Dry wall	Yellow	0.0	QM
006	C	Wall	Lft		P	Dry wall	Yellow	-0.1	QM
018	C	Door	Ctr	Casing	P	Wood	White	-0.1	QM
019	C	Door	Ctr	Jamb	P	Wood	White	0.0	QM
010	C	Door	Rgt	Casing	P	Wood	White	-0.2	QM
011	C	Door	Rgt	N\A	P	Wood	White	-0.2	QM
012	C	Door	Rgt	Jamb	P	Wood	White	-0.1	QM
013	C	Door	Rgt	Stop	P	Wood	White	2.0	QM
020	C	Closet	Lft	Door Casing	P	Wood	White	0.0	QM
021	C	Closet	Lft	Door Jamb	P	Wood	White	0.0	QM
022	C	Closet	Lft	Wall	P	Dry wall	Yellow	0.0	QM
023	C	Closet	Lft	Shelf Sup.	P	Wood	White	>9.9	QM
007	D	Wall	Lft		P	Dry wall	Yellow	0.0	QM
024	D	Baseboard	Lft		P	Wood	White	-0.1	QM
Interior Room 002 Living Rm									
026	-	Ceiling	Lft		P	Dry wall	White	-0.1	QM
025	B	Baseboard	Lft		P	Wood	White	-0.1	QM
Interior Room 003 Kitchen									
034	-	Attic hatch	Ctr	Casing	P	Wood	White	0.4	QM
035	-	Attic hatch	Ctr		P	Wood	White	0.4	QM
027	-	Ceiling	Lft		P	Dry wall	White	-0.1	QM
028	A	Wall	Lft		P	Dry wall	Yellow	-0.1	QM
029	B	Wall	Ctr		P	Dry wall	Yellow	0.2	QM
033	C	Shoe Trim	Ctr		P	Wood	green	0.1	QM
030	C	Wall	Lft		P	Dry wall	Yellow	0.0	QM
036	C	Window	Ctr	Casing	P	Wood	Beige	>9.9	QM
037	C	Window	Ctr	Stop	P	Wood	Beige	0.7	QM
039	C	Window	Ctr	Apron	P	Wood	green	0.1	QM
038	C	Window	Ctr	Sill	P	Wood	White	0.0	QM
042	C	Stairs	Rgt	Stringers	P	Wood	brown	>9.9	QM
043	C	Stairs	Rgt	StringrTrim	P	Wood	green	0.2	QM
040	C	Stairs	Rgt	Treads	P	Wood	brown	6.8	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
041	C	Stairs	Rgt	Risers	P	Wood	brown	>9.9	QM
032	D	Chair Rail	Ctr		P	Wood	brown	0.1	QM
031	D	Wall	Ctr		P	Dry wall	Yellow	0.2	QM
044	D	Door	Ctr	Casing	P	Wood	brown	-0.1	QM
045	D	Door	Ctr	Jamb	P	Wood	brown	0.0	QM
046	D	Door	Ctr	Stop	P	Wood	brown	-0.1	QM
047	D	Door	Ctr	N\A	P	Wood	brown	0.2	QM
Interior Room 004 Bath									
048	-	Ceiling	Ctr	Trim	P	Wood	White	0.0	QM
049	-	Ceiling	Ctr		P	Dry wall	White	0.0	QM
055	A	Wall	Ctr		P	Dry wall	Purple	0.3	QM
053	B	Wall	Ctr		P	Dry wall	Purple	0.0	QM
054	C	Wall	Ctr		P	Dry wall	Purple	-0.2	QM
050	D	Wall	Ctr		P	Dry wall	Purple	0.0	QM
051	D	Wall	Ctr	Trim	P	Wood	Purple	0.0	QM
052	D	Baseboard	Ctr		P	Wood	White	0.0	QM
Interior Room 005 Bedroom 2									
066	-	Floor	Rgt		P	Wood	stain	-0.2	QM
056	-	Ceiling	Ctr		P	Dry wall	White	0.0	QM
057	A	Wall	Ctr		P	Dry wall	Yellow	0.4	QM
059	B	Wall	Ctr		P	Dry wall	Yellow	0.2	QM
062	B	Window	Rgt	Casing	P	Wood	stain	-0.2	QM
063	B	Window	Rgt	Stop	P	Wood	stain	0.0	QM
065	B	Window	Rgt	Apron	P	Wood	stain	-0.2	QM
064	B	Window	Rgt	Sill	P	Wood	stain	-0.1	QM
060	C	Wall	Ctr		P	Dry wall	Yellow	0.0	QM
061	C	Baseboard	Ctr		P	Wood	White	0.0	QM
067	C	Door	Rgt	Casing	P	Wood	White	0.0	QM
068	C	Door	Rgt	Jamb	P	Wood	White	0.0	QM
071	C	Closet	Lft	Door Stop	P	Wood	White	>9.9	QM
074	C	Closet	Lft	Baseboard	P	Wood	White	>9.9	QM
069	C	Closet	Lft	Door Casing	P	Wood	White	>9.9	QM
070	C	Closet	Lft	Door Jamb	P	Wood	White	>9.9	QM
073	C	Closet	Lft	Wall	P	Dry wall	gold	0.2	QM
072	C	Closet	Lft	Ceiling	P	Dry wall	gold	-0.2	QM
058	D	Wall	Ctr		P	Dry wall	Yellow	0.0	QM
Calibration Readings									
001								0.9	TC
002								1.0	TC
003								1.0	TC

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01509 - 05/10/14 13:42

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

PERFORMED AT: 20 Arthur Street
New Haven, Connecticut
Common Areas

INSPECTION DATE: 05/10/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002244

A lead-based paint inspection was performed for the defective paint at the Common Areas at 20 Arthur Street in New Haven, Connecticut

SIGNED: _____ Date: 5/12/14

Hannah Hintz
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Suite 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	Common Areas
Report No.	S#01509 - 05/10/14 13:42	
Total Readings:	90 Actionable: 44	
Job Started:	05/10/14 13:42	
Job Finished:	05/10/14 14:57	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Front Stair									
023	-	Stairs	Lft	Stringers	P	Wood	brown	>9.9	QM
021	-	Stairs	Lft	Treads	P	Wood	brown	>9.9	QM
022	-	Stairs	Lft	Risers	P	Wood	brown	>9.9	QM
017	A	Door	Lft	Casing	P	Wood	stain	>9.9	QM
025	A	Stairs	Lft	Headers	P	Wood	brown	>9.9	QM
008	B	Corner guard	Ctr		P	Wood	Beige	>9.9	QM
014	B	Door	Rgt	Casing	P	Wood	stain	6.7	QM
015	B	Door	Rgt	Jamb	P	Wood	stain	7.5	QM
033	B	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
012	C	Risers	Lft		P	Metal	Beige	1.0	QM
026	D	Window	Ctr	Casing	P	Wood	stain	>9.9	QM
030	D	Window	Ctr	Stop	P	Wood	stain	>9.9	QM
029	D	Window	Ctr	Sash	P	Wood	stain	8.1	QM
028	D	Window	Ctr	Apron	P	Wood	stain	>9.9	QM
027	D	Window	Ctr	Sill	P	Wood	stain	9.8	QM
Comment:									
Assume Ceiling at 3rd Floor Door									
Interior Room 002 Rear Stair									
044	-	Ceiling	Ctr		P	Plaster	White	1.0	QM
054	-	Stairs	Ctr	Risers	P	Wood	brown	>9.9	QM
049	A	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
056	A	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
057	A	Door	Rgt	Stop	P	Wood	stain	>9.9	QM
058	A	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
070	A	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
071	A	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
072	A	Door	Rgt	Stop	P	Wood	White	>9.9	QM
050	B	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
051	C	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
062	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
063	C	Door	Lft	Jamb	P	Wood	stain	>9.9	QM
065	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
066	C	Door	Lft	Jamb	P	Wood	stain	>9.9	QM
067	C	Door	Lft	Stop	P	Wood	White	>9.9	QM
068	C	Door	Lft	N\A	P	Wood	stain	>9.9	QM
052	D	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
060	D	Door	Lft	Casing	P	Wood	stain	>9.9	QM
074	D	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
075	D	Door	Rgt	N\A	P	Wood	stain	>9.9	QM

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
076	D	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
077	D	Door	Rgt	Stop	P	Wood	stain	>9.9	QM
Interior Room 003 Rear Entry									
083	A	Wall	Lft		P	Wood	Beige	>9.9	QM
084	A	Door	Rgt	Casing	P	Wood	Beige	>9.9	QM
085	A	Door	Rgt	Jamb	P	Wood	Beige	>9.9	QM
086	A	Door	Rgt	Stop	P	Wood	Beige	9.5	QM
090	B	Shelf Sup.	Ctr		P	Wood	Beige	9.6	QM
079	B	Wall	Rgt		P	Wood	Beige	>9.9	QM

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	Common Areas
Report No.	S#01509 - 05/10/14 13:42	
Total Readings:	90	
Job Started:	05/10/14 13:42	
Job Finished:	05/10/14 14:57	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Front Stair									
011	-	Floor	Lft		P	Wood	stain	-0.1	QM
032	-	Floor	Ctr		P	Wood	stain	-0.1	QM
004	-	Ceiling	Lft		P	Plaster	White	-0.1	QM
023	-	Stairs	Lft	Stringers	P	Wood	brown	>9.9	QM
021	-	Stairs	Lft	Treads	P	Wood	brown	>9.9	QM
022	-	Stairs	Lft	Risers	P	Wood	brown	>9.9	QM
020	-	Stairs	Lft	Newel post	P	Wood	brown	0.0	QM
024	-	Stairs	Lft	Balusters	P	Wood	brown	0.1	QM
035	-	Stairs	Rgt	Treads	P	Metal	black	0.0	QM
037	-	Stairs	Rgt	Balusters	P	Metal	black	-0.2	QM
036	-	Stairs	Rgt	Railing cap	P	Metal	black	0.1	QM
038	A	Wall	Lft		P	Dry wall	Beige	-0.1	QM
009	A	Wall	Rgt		P	Plaster	Beige	0.2	QM
017	A	Door	Lft	Casing	P	Wood	stain	>9.9	QM
018	A	Door	Lft	Jamb	P	Wood	stain	0.4	QM
019	A	Door	Lft	Jamb	P	Wood	stain	0.0	QM
040	A	Door	Ctr		P	Wood	stain	0.0	QM
041	A	Door	Ctr	Casing	P	Wood	stain	0.0	QM
025	A	Stairs	Lft	Headers	P	Wood	brown	>9.9	QM
008	B	Corner guard	Ctr		P	Wood	Beige	>9.9	QM
007	B	Wall	Ctr		P	Plaster	Beige	0.3	QM
042	B	Wall	Ctr		P	Dry wall	Beige	0.3	QM
010	B	Baseboard	Lft		P	Wood	brown	0.2	QM
014	B	Door	Rgt	Casing	P	Wood	stain	6.7	QM
015	B	Door	Rgt	Jamb	P	Wood	stain	7.5	QM
016	B	Door	Rgt	Stop	P	Wood	stain	0.4	QM
033	B	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
034	B	Door	Rgt	Jamb	P	Wood	stain	-0.1	QM
031	B	Stairs	Ctr	Railing cap	P	Wood	stain	0.4	QM
043	B	Railing	Ctr	Railing	P	Wood	stain	-0.1	QM
012	C	Risers	Lft		P	Metal	Beige	1.0	QM
013	C	Risers	Lft		P	Metal	Beige	0.0	TC
005	C	Wall	Ctr		P	Plaster	Beige	0.0	QM
039	D	Wall	Lft		P	Dry wall	Beige	-0.1	QM
006	D	Wall	Ctr		P	Plaster	Beige	-0.1	QM
026	D	Window	Ctr	Casing	P	Wood	stain	>9.9	QM
030	D	Window	Ctr	Stop	P	Wood	stain	>9.9	QM
029	D	Window	Ctr	Sash	P	Wood	stain	8.1	QM
028	D	Window	Ctr	Apron	P	Wood	stain	>9.9	QM
027	D	Window	Ctr	Sill	P	Wood	stain	9.8	QM
Comment:									

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Assume Ceiling at 3rd Floor Door									
Interior Room 002 Rear Stair									
044	-	Ceiling	Ctr		P	Plaster	White	1.0	QM
053	-	Stairs	Ctr	Treads	P	Wood	brown	0.0	QM
055	-	Stairs	Ctr	Treads	P	Wood	brown	-0.1	QM
054	-	Stairs	Ctr	Risers	P	Wood	brown	>9.9	QM
048	A	Wall	Ctr		P	Plaster	White	0.2	QM
049	A	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
056	A	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
057	A	Door	Rgt	Stop	P	Wood	stain	>9.9	QM
058	A	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
059	A	Door	Rgt	N\A	P	Wood	stain	0.3	QM
070	A	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
071	A	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
072	A	Door	Rgt	Stop	P	Wood	White	>9.9	QM
073	A	Door	Rgt		P	Wood	White	0.0	QM
050	B	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
046	C	Wall	Ctr		P	Plaster	White	-0.1	QM
047	C	Wall	Ctr		P	Plaster	White	0.5	QM
051	C	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
062	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
063	C	Door	Lft	Jamb	P	Wood	stain	>9.9	QM
064	C	Door	Lft	threshold	P	Wood	stain	0.0	QM
065	C	Door	Lft	Casing	P	Wood	stain	>9.9	QM
066	C	Door	Lft	Jamb	P	Wood	stain	>9.9	QM
067	C	Door	Lft	Stop	P	Wood	White	>9.9	QM
068	C	Door	Lft	N\A	P	Wood	stain	>9.9	QM
069	C	Door	Lft	threshold	P	Wood	stain	0.7	QM
045	D	Wall	Ctr		P	Plaster	White	0.5	QM
052	D	Wall	L Ctr		P	Wainscotin	stain	>9.9	QM
060	D	Door	Lft	Casing	P	Wood	stain	>9.9	QM
061	D	Door	Lft		P	Wood	stain	0.0	QM
074	D	Door	Rgt	Casing	P	Wood	stain	>9.9	QM
075	D	Door	Rgt	N\A	P	Wood	stain	>9.9	QM
076	D	Door	Rgt	Jamb	P	Wood	stain	>9.9	QM
077	D	Door	Rgt	Stop	P	Wood	stain	>9.9	QM
078	D	Door	Rgt	threshold	P	Wood	stain	0.0	QM
Interior Room 003 Rear Entry									
083	A	Wall	Lft		P	Wood	Beige	>9.9	QM
084	A	Door	Rgt	Casing	P	Wood	Beige	>9.9	QM
085	A	Door	Rgt	Jamb	P	Wood	Beige	>9.9	QM
086	A	Door	Rgt	Stop	P	Wood	Beige	9.5	QM
087	A	Door	Rgt	Kick plate	P	Wood	Beige	0.2	QM
088	A	Door	Rgt		P	Wood	stain	0.5	QM
090	B	Shelf Sup.	Ctr		P	Wood	Beige	9.6	QM
089	B	Wall	Ctr		P	Plaster	Beige	0.6	QM
079	B	Wall	Rgt		P	Wood	Beige	>9.9	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
080	C	Wall	Rgt		P	Dry wall	Beige	0.2	QM
081	D	Wall	Rgt		P	Dry wall	Beige	0.0	QM
082	D	Wall	Rgt		P	Dry wall	Beige	0.0	QM
Calibration Readings									
001								0.9	TC
002								0.9	TC
003								0.8	TC

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#02753 - 06/09/14 12:19

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT

PERFORMED AT: 20 Arthur Street
New Haven, CT
Basement

INSPECTION DATE: 06/09/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 02753

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002206

A Comprehensive Lead-Based Paint Inspection was performed for the basement.

SIGNED: _____ Date: 6/9/14

Kristen Liljehult
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Suite # 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	06/09/14	20 Arthur Street
Report Date:	6/10/2014	New Haven, CT
Abatement Level:	1.0	Basement
Report No.	S#02753 - 06/09/14 12:19	
Total Readings:	37 Actionable: 12	
Job Started:	06/09/14 12:19	
Job Finished:	06/09/14 12:55	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Basement									
027	-	Ext stairs	Ctr	Ceiling	P	Wood	yellow	>9.9	QM
023	A	Ext stairs	Ctr	Door casing	P	Wood	red	>9.9	QM
024	A	Ext stairs	Ctr	Door lintel	P	Wood	red	>9.9	QM
025	A	Ext stairs	Ctr	Clapboard	P	Wood	yellow	>9.9	QM
026	A	Ext stairs	Ctr	Skirtboard	P	Wood	yellow	>9.9	QM
032	A	Wall	Ctr		P	Stone	white	1.2	TC
020	B	Ext stairs	Ctr	Wall upper	P	Wood	yellow	7.2	QM
019	C	Ext stairs	Ctr		P	Brick	red	7.8	QM
034	C	Door	Rgt	Frame	P	Wood	white	1.2	TC
021	D	Ext stairs	Ctr	Wall upper	P	Wood	yellow	>9.9	QM
022	D	Ext stairs	Ctr	Wall trim	P	Wood	yellow	8.7	QM
031	D	Wall	Ctr		P	Stone	white	1.0	TC

Calibration Readings

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	06/09/14	20 Arthur Street
Report Date:	6/10/2014	New Haven, CT
Abatement Level:	1.0	Basement
Report No.	S#02753 - 06/09/14 12:19	
Total Readings:	37	
Job Started:	06/09/14 12:19	
Job Finished:	06/09/14 12:55	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Interior Room 001 Basement									
027	-	Ext stairs	Ctr	Ceiling	P	Wood	yellow	>9.9	QM
008	-	Ceiling	Ctr		P	Dry wall	white	-0.7	QM
009	-	Ceiling	Ctr		P	Dry wall	white	-0.2	QM
018	-	Ceiling	Ctr		P	Dry wall	white	-0.2	QM
016	-	Stairs	Ctr	Hand Rail	P	Wood	varnish	-0.1	QM
014	-	Stairs	Ctr	Treads	P	Wood	no paint	-0.4	QM
015	-	Stairs	Ctr	Risers	P	Wood	no paint	-0.2	QM
029	-	Column	Ctr		P	Brick	white	-0.1	QM
023	A	Ext stairs	Ctr	Door casing	P	Wood	red	>9.9	QM
024	A	Ext stairs	Ctr	Door lintel	P	Wood	red	>9.9	QM
025	A	Ext stairs	Ctr	Clapboard	P	Wood	yellow	>9.9	QM
026	A	Ext stairs	Ctr	Skirtboard	P	Wood	yellow	>9.9	QM
004	A	Wall	Ctr	upper	P	Plaster	white	-0.3	QM
010	A	Wall	Ctr	lower	P	Wood	green	0.0	QM
032	A	Wall	Ctr		P	Stone	white	1.2	TC
020	B	Ext stairs	Ctr	Wall upper	P	Wood	yellow	7.2	QM
005	B	Wall	Ctr	upper	P	Plaster	white	-0.4	QM
017	B	Door	Ctr	Casing	P	Wood	white	0.1	QM
019	C	Ext stairs	Ctr		P	Brick	red	7.8	QM
006	C	Wall	Ctr	upper	P	Plaster	white	-0.2	QM
011	C	Wall	Ctr	lower	P	Wood	green	0.1	QM
013	C	Wall	Ctr	lower	P	Brick	white	-0.2	QM
033	C	Wall	Ctr		P	Wood	white	0.1	QM
in front section									
034	C	Door	Rgt	Frame	P	Wood	white	1.2	TC
028	C	Stairs	Ctr	Outer wall	P	Wood	white	0.0	QM
021	D	Ext stairs	Ctr	Wall upper	P	Wood	yellow	>9.9	QM
022	D	Ext stairs	Ctr	Wall trim	P	Wood	yellow	8.7	QM
007	D	Wall	Ctr	upper	P	Plaster	white	-0.3	QM
012	D	Wall	Ctr	lower	P	Wood	green	0.0	QM
030	D	Wall	Ctr		P	Dry wall	no paint	-0.4	QM
black mold growth									
031	D	Wall	Ctr		P	Stone	white	1.0	TC
Calibration Readings									
001								1.2	TC
002								1.0	TC
003								1.0	TC
035								1.1	TC
036								0.9	TC
037								1.0	TC

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01509 - 05/10/14 14:58

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

PERFORMED AT: 20 Arthur Street
New Haven, Connecticut
Exteriors

INSPECTION DATE: 05/10/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01509

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002244

A lead-based paint inspection was performed for the defective paint at the Exteriors at 20 Arthur Street in New Haven, Connecticut

SIGNED: _____ Date: 5/12/14

Hannah Hintz
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Sutie 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	Exteriors
Report No.	S#01509 - 05/10/14 14:58	
Total Readings:	45 Actionable: 29	
Job Started:	05/10/14 14:58	
Job Finished:	05/10/14 15:28	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
008	A	Shakes	Ctr		P	Wood	lt pink	1.9	QM
018	A	Box beam	Rgt		P	Wood	lt pink	1.0	QM
019	A	Porch ceilin	Rgt		P	Wood	lt pink	>9.9	QM
020	A	Fascia	Rgt		P	Wood	lt pink	4.2	QM
021	A	Soffit	Rgt		P	Wood	lt pink	>9.9	QM
012	A	Window	Rgt	Casing	P	Wood	Dk pink	1.3	QM
013	A	Window	Rgt	Sill	P	Wood	Dk pink	>9.9	QM
009	A	Door	Ctr	Casing	P	Wood	lt pink	>9.9	QM
017	A	Railing	Rgt	Railing	P	Metal	black	>9.9	QM
Exterior Room 002 Facade B									
024	B	Foundation	Ctr		P	Brick	red	1.6	QM
028	B	Skirtboard	Ctr		P	Wood	White	>9.9	QM
027	B	Window	Ctr	Sill	P	Wood	dk pink	2.0	QM
Exterior Room 003 Facade C									
001	C	Shakes	Ctr		P	Wood	brown	8.4	QM
030	C	Shakes	Ctr		P	Wood	lt pink	2.8	QM
031	C	Foundation	Ctr		P	Brick	red	5.3	QM
032	C	Window	Lft	Casing	P	Wood	White	3.2	QM
034	C	Window	Lft	Blindstop	P	Wood	White	2.1	QM
033	C	Window	Lft	Sill	P	Wood	White	1.5	QM
Exterior Room 004 Facade D									
039	D	Shakes	Ctr		P	Wood	lt pink	1.4	QM
040	D	Foundation	Ctr		P	Brick	red	7.3	QM
041	D	Bsmnt Win	Ctr	jamb	P	Wood	red	>9.9	QM
042	D	Bsmnt win.	Ctr	Sash	P	Wood	red	>9.9	QM
036	D	Window	Ctr	Casing	P	Wood	dk pink	2.4	QM
038	D	Window	Ctr	Blindstop	P	Wood	dk pink	>9.9	QM
037	D	Window	Ctr	Sill	P	Wood	dk pink	2.1	QM
Exterior Room 005 Porch C2									
006	C	Beam	Ctr		P	Wood	brown	2.4	QM
002	C	Door	Ctr	Casing	P	Wood	brown	>9.9	QM
003	C	Column	Ctr		P	Wood	brown	6.6	QM
Exterior Room 006 Porch A									
023	A	Foundation	Lft		P	Concrete	red	5.7	QM

---- End of Readings ----

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm^2)	Mode

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	05/10/14	20 Arthur Street
Report Date:	5/12/2014	New Haven, Connecticut
Abatement Level:	1.0	Exteriors
Report No.	S#01509 - 05/10/14 14:58	
Total Readings:	45	
Job Started:	05/10/14 14:58	
Job Finished:	05/10/14 15:28	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
008	A	Shakes	Ctr		P	Wood	lt pink	1.9	QM
018	A	Box beam	Rgt		P	Wood	lt pink	1.0	QM
019	A	Porch ceilin	Rgt		P	Wood	lt pink	>9.9	QM
020	A	Fascia	Rgt		P	Wood	lt pink	4.2	QM
022	A	Rafter Tails	Rgt		P	Wood	lt pink	0.3	QM
021	A	Soffit	Rgt		P	Wood	lt pink	>9.9	QM
012	A	Window	Rgt	Casing	P	Wood	Dk pink	1.3	QM
014	A	Window	Rgt	Blindstop	P	Wood	Dk pink	-0.1	QM
013	A	Window	Rgt	Sill	P	Wood	Dk pink	>9.9	QM
009	A	Door	Ctr	Casing	P	Wood	lt pink	>9.9	QM
010	A	Door	Ctr	Casing	P	Wood	Dk pink	0.3	QM
011	A	Door	Ctr	Stop	P	Wood	Dk pink	0.3	QM
015	A	Railing	Rgt	Balusters	P	Wood	Dk pink	-0.3	QM
016	A	Railing	Rgt	Railing	P	Wood	Dk pink	0.3	QM
017	A	Railing	Rgt	Railing	P	Metal	black	>9.9	QM
Exterior Room 002 Facade B									
024	B	Foundation	Ctr		P	Brick	red	1.6	QM
025	B	Shakes	Ctr		P	Wood	lt pink	0.5	QM
028	B	Skirtboard	Ctr		P	Wood	White	>9.9	QM
026	B	Window	Ctr	Casing	P	Wood	dk pink	0.6	QM
029	B	Window	Ctr	Blindstop	P	Wood	dk pink	0.7	QM
027	B	Window	Ctr	Sill	P	Wood	dk pink	2.0	QM
Exterior Room 003 Facade C									
001	C	Shakes	Ctr		P	Wood	brown	8.4	QM
030	C	Shakes	Ctr		P	Wood	lt pink	2.8	QM
031	C	Foundation	Ctr		P	Brick	red	5.3	QM
035	C	Wall	Lft		P	Wainscotin	red	0.3	QM
032	C	Window	Lft	Casing	P	Wood	White	3.2	QM
034	C	Window	Lft	Blindstop	P	Wood	White	2.1	QM
033	C	Window	Lft	Sill	P	Wood	White	1.5	QM
Exterior Room 004 Facade D									
039	D	Shakes	Ctr		P	Wood	lt pink	1.4	QM
040	D	Foundation	Ctr		P	Brick	red	7.3	QM
041	D	Bsmnt Win	Ctr	jamb	P	Wood	red	>9.9	QM
042	D	Bsmnt win.	Ctr	Sash	P	Wood	red	>9.9	QM
036	D	Window	Ctr	Casing	P	Wood	dk pink	2.4	QM
038	D	Window	Ctr	Blindstop	P	Wood	dk pink	>9.9	QM
037	D	Window	Ctr	Sill	P	Wood	dk pink	2.1	QM

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 005 Porch C2									
006	C	Beam	Ctr		P	Wood	brown	2.4	QM
007	C	Ceiling	Ctr		P	Wood	brown	0.1	QM
002	C	Door	Ctr	Casing	P	Wood	brown	>9.9	QM
005	C	Railing	Ctr	Balusters	P	Wood	brown	0.4	QM
004	C	Railing	Ctr	Railing	P	Wood	brown	0.0	QM
003	C	Column	Ctr		P	Wood	brown	6.6	QM
Exterior Room 006 Porch A									
023	A	Foundation	Lft		P	Concrete	red	5.7	QM
Calibration Readings									
043								0.8	TC
044								0.9	TC
045								0.9	TC

---- End of Readings ----

LEAD PAINT INSPECTION REPORT

REPORT NUMBER: S#01364 - 04/24/14 12:19

INSPECTION FOR: Mr. David Holmes
Capital Studio Architects
1379 Main Street
East Hartford, CT 06108

PERFORMED AT: 20 Arthur Street
New Haven, CT

INSPECTION DATE: 04/24/14

INSTRUMENT TYPE: R M D
MODEL LPA-1
XRF TYPE ANALYZER
Serial Number: 01364

ACTION LEVEL: 1.0 mg/cm²

OPERATOR LICENSE: 002250

Lead-based paint screen inspection for renovation purposes of 20 Arthur Street, New Haven, CT.

SIGNED: Eltwaun Lawrence Date: 4/24/14

Eltwaun Lawrence
Lead Inspector / Risk Assessor
Eagle Environmental, Inc.
8 South Main Street, Suite 3
Terryville, CT 06786

SUMMARY REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	04/24/14	20 Arthur Street
Report Date:	4/24/2014	New Haven, CT
Abatement Level:	1.0	
Report No.	S#01364 - 04/24/14 12:19	
Total Readings:	14 Actionable: 2	
Job Started:	04/24/14 12:19	
Job Finished:	04/24/14 15:11	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 002 Facade B									
005	B	Soffit	Ctr		P	Wood	pink	6.3	QM
Exterior Room 003 Facade C									
007	C	Soffit	Ctr		P	Wood	white	9.3	QM
Exterior Room 999									

---- End of Readings ----

DETAILED REPORT OF LEAD PAINT INSPECTION FOR: Mr. David Holmes

Inspection Date:	04/24/14	20 Arthur Street
Report Date:	4/24/2014	New Haven, CT
Abatement Level:	1.0	
Report No.	S#01364 - 04/24/14 12:19	
Total Readings:	14	
Job Started:	04/24/14 12:19	
Job Finished:	04/24/14 15:11	

Reading No.	Wall	Structure	Location	Member	Paint Cond	Substrate	Color	Lead (mg/cm²)	Mode
Exterior Room 001 Facade A									
004	A	Soffit	Ctr		I	Wood	pink	0.5	QM
Exterior Room 002 Facade B									
005	B	Soffit	Ctr		P	Wood	pink	6.3	QM
006	B	Downspout	Rgt		P	Aluminum	white	-0.1	QM
Exterior Room 003 Facade C									
011	C	Porch	Ctr	Upper Trim	P	Wood	brown	-0.1	QM
010	C	Gutter	Lft		P	Aluminum	white	0.0	QM
007	C	Soffit	Ctr		P	Wood	white	9.3	QM
Exterior Room 004 Facade D									
009	D	Soffit	Lft		P	Wood	white	0.3	QM
008	D	Soffit	Rgt		P	Wood	pink	0.2	QM
Calibration Readings									
001								0.7	TC
002								0.9	TC
003								0.9	TC
012								1.0	TC
013								1.0	TC
014								1.0	TC

---- End of Readings ----

APPENDIX 4

LEAD DUST AND SOIL SAMPLE LABORATORY REPORTS

OrderID: 031418258

EMSL – MA	EMSL – CT	EMSL – NY	EMSL – NJ
7 Constitution Way, Ste 107	29 N. Plains Hwy, Unit 4	307 West 38th Street	107 Haddon Avenue
Woburn, MA 01801	Wallingford, CT 06492	New York, NY 10018	Westmont, NJ 08108
(781) 933-8411	(203) 284-5948	(866) 448-3675	(800) 220-3675
(781) 933-8412 Fax	(203) 284-5978 Fax	(212) 290-0058 Fax	(856) 858-4960 Fax

www.emsl.com

Your Name: Brandy LeBlanc **Project Manager:** AH

Company: Eagle Environmental, Inc.

Street: 8 South Main Street, Suite 3

City/State/Zip: Terryville, CT 06786

Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com

Project Name CSA - Environmental Review **Project #:** 14-028.12T12

Project Location: 20 Armer St, New Haven 1st Fl **Project State (US):** CT

TURNAROUND TIME

☐ 3 Hours	☐ 6 Hours	☒ 24 Hours	☐ 48 Hours	☐ 72 Hours	☐ 4 Days	☐ 5 Days	☐ 6-10 Days

SAMPLE MATRIX

☐ Air	☐ Bulk	☐ Soil	☑ Wipe	☐ Micro-Vac	☐ Drinking Water	☐ Wastewater	☐ Chips	☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☐ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

031418258

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS
- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitrous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:_____

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS
- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

Additional Information/Comments/Instructions: **PLEASE STOP ON 1ST POSITIVE WITHIN SETS

Client Sample # (S): 5110 HH 01 - 5110 HH 09 **TOTAL SAMPLE #:** 09

Relinquished:		**Date:**	5/10/14	**Time:** Pm
Received:		**Date:**	5-12-14	**Time:** Am
Relinquished:		**Date:**	5-12-14	**Time:** Pm
Received:		**Date:**	5/13/14	**Time:** 11:08 AM

Page 1

OrderID: 031418258

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
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(781) 933-8412 Fax

EMSL – CT
29 N. Plains Hwy, Unit 4
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
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107 Haddon Avenue
Westmont, NJ 08108
(800) 220-3675
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SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (inches sq.)
5/10 HH 01	Floor	Bed 1		144
02	Well	↓		3 1/2" x 29"
03	Floor at Entry	Living Rm		144
04	Sill	↓		3 1/2" x 31"
05	Floor	Kitchen		144
06	Window Sill	↓		4" x 31"
07	Floor	Den		144
08	Window well	↓		3 1/2" x 29"
09	Field Blank	–		–
[redacted]				
	031418258			

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031418258
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Eagle Environmental, Inc. - CT**
8 South Main Street
Suite 3
Terryville, CT 06786

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	05/13/14 11:03 AM
Collected:	5/10/2014

Project: **14-028.12 T12/ CSA ENVIRONMENTAL REVIEW/ 20 ARTHUR ST., NEW HAVEN, CT**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5/10 HH 01	*0001*	5/10/2014	5/14/2014	144 in²	37 µg/ft²
	Site: FLOOR Desc: BED 1				
5/10 HH 02	*0002*	5/10/2014	5/14/2014	101.5 in²	3700 µg/ft²
	Site: WELL Desc: BED 1				
5/10 HH 03	*0003*	5/10/2014	5/14/2014	144 in²	150 µg/ft²
	Site: FLOOR AT ENTRY Desc: LIVING RM				
5/10 HH 04	*0004*	5/10/2014	5/14/2014	108.5 in²	9000 µg/ft²
	Site: SILL Desc: LIVING RM				
5/10 HH 05	*0005*	5/10/2014	5/14/2014	144 in²	64 µg/ft²
	Site: FLOOR Desc: KITCHEN				
5/10 HH 06	*0006*	5/10/2014	5/14/2014	124 in²	6000 µg/ft²
	Site: WINDOW SILL Desc: KITCHEN				
5/10 HH 07	*0007*	5/10/2014	5/14/2014	144 in²	120 µg/ft²
	Site: FLOOR Desc: DEN				
5/10 HH 08	*0008*	5/10/2014	5/14/2014	101.5 in²	6000 µg/ft²
	Site: WINDOW WELL Desc: DEN				
5/10 HH 09	*0009*	5/10/2014	5/14/2014	n/a	<10 µg/wipe
	Site: FIELD BLANK				

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC–ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 05/14/2014 10:46:38

OrderID: 031418261

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7 Constitution Way, Ste 107
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107 Haddon Avenue
Westmont, NJ 08108
(800) 220-3675
(856) 858-4960 Fax

www.emsl.com

Your Name: Brandy LeBlanc **Project Manager:** PF

Company: Eagle Environmental, Inc.

Street: 8 South Main Street, Suite 3

City/State/Zip: Terryville, CT 06786

Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsloch@eagleenviro.com

Project Name CSA - Environmental review **Project #:** 14-028-12T12

Project Location: 20 Ashmun St, New Haven 2nd Floor **Project State (US):** CT

TURNAROUND TIME

☐ 3 Hours	☐ 6 Hours	☑ 24 Hours	☐ 48 Hours	☐ 72 Hours	☐ 4 Days	☐ 5 Days	☐ 6-10 Days

SAMPLE MATRIX

☐ Air	☐ Bulk	☐ Soil	☑ Wipe	☐ Micro-Vac	☐ Drinking Water	☐ Wastewater	☐ Chips	☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☐ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

031418261

LEAD ANALYSIS

Flame Atomic Absorption
- ☑ Wipe, SW846-7420 ☑ ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitrous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:_____

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

Additional Information/Comments/Instructions: **PLEASE STOP ON 1ST POSITIVE WITHIN SETS

Client Sample # (S): 5110 HH 19 5110 HH 29 **TOTAL SAMPLE #:** 09

Relinquished:		**Date:**	5/10/14	**Time:** PM
Received:		**Date:**	5.12.14	**Time:** AM
Relinquished:		**Date:**	5.12.14	**Time:** PM
Received:		**Date:**	5/13/14	**Time:** 10:56AM

Page 1

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2nd Floor

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5/10 HH 19	Floor @ Entry	Living Rm		144
20	Window Sill	↓		13/4" X 32"
21	Floor	Bed 1		144
22	Window Sill	↓		13/4" X 31"
23	Floor @ Entry	Kitchen		144
24	Window Sill	↓		3 1/2" X 3 1/2"
25	Floor	Bed 2		144
26	Window Sill	↓		13/4" X 31"
27	Field Blank	—		—
	031418261			

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http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031418261
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Eagle Environmental, Inc. - CT**
8 South Main Street
Suite 3
Terryville, CT 06786

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	05/13/14 10:56 AM
Collected:	5/10/2014

Project: **14-028.12 T12/ CSA ENVIRONMENTAL REVIEW/ 20 ARTHUR ST./ NEW HAVEN. CT 2ND FLOOR**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5/10 HH 19	*0001*	5/10/2014	5/14/2014	144 in²	570 µg/ft²
	Site: FLOOR @ ENTRY Desc: LIVING RM				
5/10 HH 20	*0002*	5/10/2014	5/14/2014	56 in²	36000 µg/ft²
	Site: WINDOW SILL Desc: LIVING RM				
5/10 HH 21	*0003*	5/10/2014	5/14/2014	144 in²	2600 µg/ft²
	Site: FLOOR Desc: BED 1				
5/10 HH 22	*0004*	5/10/2014	5/14/2014	54.25 in²	29000 µg/ft²
	Site: WINDOW SILL Desc: BED 1				
5/10 HH 23	*0005*	5/10/2014	5/14/2014	144 in²	100 µg/ft²
	Site: FLOOR @ ENTRY Desc: KITCHEN				
5/10 HH 24	*0006*	5/10/2014	5/14/2014	12.25 in²	360000 µg/ft²
	Site: WINDOW SILL Desc: KITCHEN				
5/10 HH 25	*0007*	5/10/2014	5/14/2014	144 in²	2100 µg/ft²
	Site: FLOOR Desc: BED 2				
5/10 HH 26	*0008*	5/10/2014	5/14/2014	54.25 in²	28000 µg/ft²
	Site: WINDOW SILL Desc: BED 2				
5/10 HH 27	*0009*	5/10/2014	5/14/2014	n/a	<10 µg/wipe
	Site: FIELD BLANK				

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 05/14/2014 11:50:23

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Your Name: Brandy LeBlanc **Project Manager:** AH

Company: Eagle Environmental, Inc.

Street: 8 South Main Street, Suite 3

City/State/Zip: Terryville, CT 06786

Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com

Project Name CSA – Environmental Review **Project #:** 14028-12TR

Project Location: 20 Anthrust New Haven 3rd Floor **Project State (US):** CT

TURNAROUND TIME

☐ 3 Hours	☐ 6 Hours	☑ 24 Hours	☐ 48 Hours	☐ 72 Hours	☐ 4 Days	☐ 5 Days	☐ 6-10 Days

SAMPLE MATRIX

☐ Air	☐ Bulk	☐ Soil	☑ Wipe	☐ Micro-Vac	☐ Drinking Water	☐ Wastewater	☐ Chips	☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☐ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-5480-99
- ☐ Qualitative☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

10

031418277

LEAD ANALYSIS

Flame Atomic Absorption
- ☑ Wipe, SW846-7420 ☑ ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitrous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:_____

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

Additional Information/Comments/Instructions: **PLEASE STOP ON 1ST POSITIVE WITHIN SETS

Client Sample # (S)	5/10 HH 10	5/10 HH 18		TOTAL SAMPLE #	09
Relinquished:		Date:	5/10/14	Time:	PM
Received:		Date:	5-12-14	Time:	AM
Relinquished:		Date:	5-12-14	Time:	PM
Received:		Date:	5/13/14	Time:	11:01AM

Page 1

OrderID: 031418277

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SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5/10 HH 10	Field Blank	—		—
11	Floor @ Entry	Bed 1		144
12	Window Well	↓		2 1/2" X 19"
13	Floor @ Entry	Kitchen		144
14	Window Sill	↓		5 1/2" X 31 1/2"
15	Floor	Bed 2		144
16	Window Well	↓		2" X 17 1/2"
17	Floor	Bath		144
18	Window Well	↓		3 1/4" X 15"

3rd Floor

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EMSL Order:	031418277
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Eagle Environmental, Inc. - CT**
8 South Main Street
Suite 3
Terryville, CT 06786

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	05/13/14 11:01 AM
Collected:	5/10/2014

Project: **14028-12 T12/ CSA ENVIRONMENTAL REVIEW/ 20 ARTHUR/ NEW HAVEN, CT/ 3RD FLOOR**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5/10 HH 10	*0001*	5/10/2014	5/13/2014	n/a	<10 µg/wipe
	Site: FIELD BLANK				
5/10 HH 11	*0002*	5/10/2014	5/13/2014	144 in²	190 µg/ft²
	Site: FLOOR @ ENTRY Desc: BED 1				
5/10 HH 12	*0003*	5/10/2014	5/13/2014	47.5 in²	14000 µg/ft²
	Site: WINDOW WELL Desc: BED 1				
5/10 HH 13	*0004*	5/10/2014	5/13/2014	144 in²	23 µg/ft²
	Site: FLOOR @ ENTRY Desc: KITCHEN				
5/10 HH 14	*0005*	5/10/2014	5/13/2014	173.25 in²	8700 µg/ft²
	Site: WINDOW SILL Desc: KITCHEN				
5/10 HH 15	*0006*	5/10/2014	5/13/2014	144 in²	39 µg/ft²
	Site: FLOOR Desc: BED 2				
5/10 HH 16	*0007*	5/10/2014	5/13/2014	35 in²	5600 µg/ft²
	Site: WINDOW WELL Desc: BED 2				
5/10 HH 17	*0008*	5/10/2014	5/13/2014	144 in²	26 µg/ft²
	Site: FLOOR Desc: BATH				
5/10 HH 18	*0009*	5/10/2014	5/13/2014	48.75 in²	4100 µg/ft²
	Site: WINDOW WELL Desc: BATH				

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 05/14/2014 08:45:24

OrderID: 031418251

03141825T

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Your Name: Brandy LeBlanc **Project Manager:** PF

Company: Eagle Environmental, Inc.

Street: 8 South Main Street, Suite 3

City/State/Zip: Terryville, CT 06786

Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; rporter@eagleenviro.com; dwynne@eagleenviro.com; rsloch@eagleenviro.com

Project Name CSA - Environmental Review **Project #:** 14-028.12T2

Project Location: 20 Ashmun St, New Haven Common Areas **Project State (US):** CT

TURNAROUND TIME

☐ 3 Hours	☐ 6 Hours	☑ 24 Hours	☐ 48 Hours	☐ 72 Hours	☐ 4 Days	☐ 5 Days	☐ 6-10 Days

SAMPLE MATRIX

☐ Air	☒ Bulk	☐ Soil	☐ Wipe	☐ Micro-Vac	☐ Drinking Water	☐ Wastewater	☐ Chips	☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☐ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative ☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterization
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitrous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air-O-Cell
- ☐ Mold & Fungi by Agar Plate count & Id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:

Additional Information/Comments/Instructions: **PLEASE STOP ON 1ST POSITIVE WITHIN SETS

Client Sample # (S): S110 HH 28 S110 HH 33 **TOTAL SAMPLE #:** 04

Relinquished:		**Date:**	5/10/14	**Time:**	AM
Received:		**Date:**	5-12-14	**Time:**	9AM
Relinquished:		**Date:**	5-12-14	**Time:**	PM
Received:		**Date:**	5/13/14	**Time:**	10:07AM

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OrderID: 031418251

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Common Areas

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5/10 466 28	Floor @ 1st Flr Entry	Front Stair		144
29	Floor @ 2nd Floor Entry	↓		↓
30	Floor @ 3rd Floor Entry	↓		↓
31	Window Sill	↓		2" x 23"
32	Floor @ 1st Floor Landing	Rear Stair		144
33	Floor @ 2nd Floor Landing	↓		↓
~~34~~				

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EMSL Order:	031418251
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. - CT
8 South Main Street
Suite 3
Terryville, CT 06786

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	05/13/14 11:07 AM
Collected:	5/10/2014

Project: **14-028-12T2/ CSA-ENVIRONMENTAL REVIEW/ 20 ARTHUR ST NEW HAVEN/ CT/ COMMON AREAS**

Test Report: Lead in Dust by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Area Sampled*	*Lead Concentration*
5-10 HH 28	*0001*	5/10/2014	5/14/2014	144 in²	380 µg/ft²
Site: FLOOR @ 1ST FLR ENTRY/ FRONT STAIR					
5-10 HH 29	*0002*	5/10/2014	5/14/2014	144 in²	5600 µg/ft²
Site: FLOOR @ 2ND FLOOR ENTRY/ FRONT STAIR					
5-10 HH 30	*0003*	5/10/2014	5/14/2014	144 in²	170 µg/ft²
Site: FLOOR @ 3RD FLOOR ENTRY/ FRONT STAIR					
5-10 HH 31	*0004*	5/10/2014	5/14/2014	46 in²	1000 µg/ft²
Site: WINDOW SILL/ FRONT STAIR					
5-10 HH 32	*0005*	5/10/2014	5/14/2014	144 in²	970 µg/ft²
Site: FLOOR @ 1ST FLOOR LANDING/ REAR STAIR					
5-10 HH 33	*0006*	5/10/2014	5/14/2014	144 in²	1200 µg/ft²
Site: FLOOR @ 2ND FLOOR LANDING/ REAR STAIR					

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
or other approved signatory

Reporting limit is 10 ug/wipe. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected . This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 05/14/2014 09:04:22

REVISED

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www.emsl.com

Your Name: Brandy LeBlanc **Project Manager:** PF

Company: Eagle Environmental, Inc.

Street: 8 South Main Street, Suite 3

City/State/Zip: Terryville, CT 06786

Phone: 860-589-8257 ext. 203 **Fax:** 860-585-7034 **Email:** bleblanc@eagleenviro.com; nporter@eagleenviro.com; dwynne@eagleenviro.com; rsioch@eagleenviro.com

Project Name Capital Studio Architects - Environmental Review **Project #:** 14-028.12T12

Project Location: 20 Arthur Street, New Haven **Project State (US):** CT

TURNAROUND TIME

☐ 3 Hours	☐ 6 Hours	☒ 24 Hours	☐ 48 Hours	☐ 72 Hours	☐ 4 Days	☐ 5 Days	☐ 6-10 Days

SAMPLE MATRIX

☐ Air	☐ Bulk	☒ Soil	☐ Wipe	☐ Micro-Vac	☐ Drinking Water	☐ Wastewater	☐ Chips	☐ Other

ASBESTOS ANALYSIS

PCM - Air
- ☐ NIOSH 7400 (A) Issue 2: August 1994
- ☐ OSHA w/TWA

TEM AIR
- ☐ AHERA 40 CFR, Part 763 Subpart E
- ☐ NIOSH 7402 Issue 2
- ☐ EPA Level II

PLM - Bulk
- ☐ EPA 600/R-93/116
- ☐ NY Stratified Point Count
- ☐ California Air Resource Board (CARB) 435
- ☐ NIOSH 9002
- ☐ PLM NOB (Gravimetric) NYS 198.1
- ☐ EPA Point Count (400 Points)
- ☐ EPA Point Count (1,000 Points)
- ☐ Standard Addition Point Count

SOILS
- ☐ EPA Protocol Qualitative
- ☐ EPA Protocol Quantitative
- ☐ EMSL MSD 9000 Method fibers/gram
- ☐ Superfund EPA 540-R097-028 (dust generation)

TEM BULK
- ☐ Drop Mount (Qualitative)
- ☐ Chatfield SOP-1988-02
- ☐ TEM NOB (Gravimetric) NY 198.4

TEM MICROVAC
- ☐ ASTM D 5755-95 (Quantitative)

TEM WIPE
- ☐ ASTM D-6480-99
- ☐ Qualitative ☐

TEM WATER
- ☐ EPA 100.1
- ☐ EPA 100.2
- ☐ NYS 198.2
- ☐ Other:_____

LEAD ANALYSIS

Flame Atomic Absorption
- ☐ Wipe, SW846-7420 ☐ ASTM ☐ non ASTM
- ☒ Soil, SW846-7420
- ☐ Air, NIOSH 7082
- ☐ Chips, SW846-7420 or AOAC 5.009 (974.02)
- ☐ Wastewater, SW 846-7420
- ☐ TCLP LEAD SW846-1311/7420

Graphite Furnace Atomic Absorption
- ☐ Air, NIOSH 7105
- ☐ Wastewater, SW846-7421
- ☐ Soil, SW846-7421
- ☐ Drinking Water, EPA 239.2

ICP – Inductively Coupled Plasma
- ☐ Wipe, SW846-6010 ☐ ASTM ☐ non ASTM
- ☐ Soil, SW846-6010
- ☐ Air, NIOSH 7300

MATERIALS ANALYSIS

- ☐ Full Particle Identification
- ☐ Optical Particle Identification
- ☐ Dust Mites and Insect Fragments
- ☐ Particle Size & Distribution
- ☐ Product Comparison
- ☐ Paint Characterizaton
- ☐ Failure Analysis
- ☐ Corrosion Analysis
- ☐ Glove Box Containment Study
- ☐ Petrographic Examination of Concrete
- ☐ Portland Cement in Workplace Atmospheres (OSHA ID-143)
- ☐ Man Made Vitrous Fibers – MMVF's
- ☐ Synthetic Fiber Identification
- ☐ Other:_____

MICROBIAL ANALYSIS

Air Samples
- ☐ Mold & Fungi by Air O Cell
- ☐ Mold & Fungi by Agar Plate count & id
- ☐ Bacterial Count and Gram Stain
- ☐ Bacterial Count and Identification

Water Samples
- ☐ Total Coliforms, Fecal Coliforms
- ☐ Escherichia Coli, Fecal Streptococcus
- ☐ Legionella
- ☐ Salmonella
- ☐ Giardia and Cryptosporidium

Wipe and Bulk Samples
- ☐ Mold & Fungi – Direct Examination
- ☐ Mold & Fungi – (Culture follow up to direct examination if necessary)
- ☐ Mold & Fungi – Culture (Count & ID)
- ☐ Mold & Fungi – Culture (Count only)
- ☐ Bacterial Count & Gram Stain
- ☐ Bacterial Count & Identification (3 most prominent types)
- ☐ Other:_____

IAQ ANALYSIS

- ☐ Nuisance Dust (NIOSH 0500 & 0600)
- ☐ Airborne Dust (PM10, TSP)
- ☐ Silica Analysis by XRD ☐ Niosh 7500
- ☐ HVAC Efficiency
- ☐ Carbon Black
- ☐ Airborne Oil Mist
- ☐ Other:_____

Additional Information/Comments/Instructions: **PLEASE STOP ON 1ST POSITIVE WITHIN SETS

Client Sample # (S)	5/10 HH SOIL 01	5/10 HH SOIL 03		**TOTAL SAMPLE #**	3
Relinquished:	Hannah Hintz	**Date:**	5/10/14	**Time:**	PM
Received:		**Date:**	5-12-14	**Time:**	AM
Relinquished:		**Date:**	5-12-14	**Time:**	PM
Received:		**Date:**		**Time:**	

OrderID: 031418263

EMSL – MA
7 Constitution Way, Ste 107
Woburn, MA 01801
(781) 933-8411
(781) 933-8412 Fax

EMSL – CT
29 N. Plains Hwy, Unit 4
Wallingford, CT 06492
(203) 284-5948
(203) 284-5978 Fax

EMSL – NY
307 West 38th Street
New York, NY 10018
(866) 448-3675
(212) 290-0058 Fax

EMSL – NJ
107 Haddon Avenue
Westmont, NJ 08108
(800) 220-3675
(856) 858-4960 Fax

www.emsl.com

SAMPLE NUMBER	SAMPLE DESCRIPTION	ROOM or LOCATION	VOLUME Air (L)	Area (Inches sq.)
5110HH501L01	SOIL	C/D Fence		30 SF
02	SOIL	C Garage Driveway		400 SF
03	SOIL	B/C Fence line		100 SF

SOILS

EMSL Analytical, Inc.
307 West 38th Street, New York, NY 10018
Phone/Fax: (212) 290-0051 / (212) 290-0058
http://www.EMSL.com manhattanlab@emsl.com

EMSL Order:	031420902
CustomerID:	EEVM50
CustomerPO:	
ProjectID:	

Attn: **Brandy LeBlanc**
Eagle Environmental, Inc. - CT
8 South Main Street
Suite 3
Terryville, CT 06786

Phone:	(860) 589-8257
Fax:	(860) 585-7034
Received:	06/02/14 11:04 AM
Collected:	5/10/2014

Project: **14-028.12T12/ CAPITAL STUDIO ARCHITECTS - ENVIRONMENTAL REVIEW/ 20 ARTHUR STREET/ NEW HAVEN/ CT**

Test Report: Lead in Soils by Flame AAS (SW 846 3050B/7000B)*

Client Sample Description	*Lab ID*	*Collected*	*Analyzed*	*Lead Concentration*
S/10HHSOIL 01	*0001*	5/10/2014	6/3/2014	590 mg/Kg
	Site: C/D FENCE Desc: SOIL			
S/10HHSOIL 02	*0002*	5/10/2014	6/3/2014	970 mg/Kg
	Site: C GARAGE DRIPLINE Desc: SOIL			
S/10HHSOIL 03	*0003*	5/10/2014	6/3/2014	750 mg/Kg
	Site: B/C FENCE LINE Desc: SOIL			

M. Apfeldorfer

Miron Apfeldorfer, Laboratory Manager
or other approved signatory

*Analysis following Lead in Soil/Solids by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 40 mg/kg based on the minimum sample weight per our SOP. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities. Samples received in good condition unless otherwise noted. Results reported based on dry weight. "<" (less than) result signifies that the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. The QC data associated with the sample results included in this report meet the recovery and precision requirements established by the AIHA-LAP, unless specifically indicated otherwise

Samples analyzed by EMSL Analytical, Inc. New York, NY AIHA-LAP, LLC--ELLAP Accredited #102581, NYS ELAP 11506

Initial report from 06/03/2014 10:01:29

APPENDIX 5

RADON TESTING

Radon Testing Corp. of America
2 Hayes Street
Elmsford, NY 10523
Phone: (914) 345-3380

Radon Testing Summary Sheet

Please fill out all pertinent information legibly

Mailing Address:

Contact: Peter Folino

Company/Agency/Board of Ed: Eagle Environmental

Address: 8 South Main Street Suite 3

City: Terryville State: CT Zip: 06786

Project Code (if any) 14-028.12T12

Fax or email: 860 585-7034

Phone 860 589-8257

Building/School Information

School District:

School Code Number:

County:

Municipality:

Building/School Name:

Test Location Street Address: 20 Arthur St, New Haven, CT

Placed By ID# AC Retrieved by ID# EL

Start Date: 4-23-14 Stop Date: 4-29-14

Weather During Test Mostly sunny, partly cloudy, 60 degrees

Total # of detectors for this building 1

Page_____of_____

Instructions: *Tear of the center bar code label from canister and affix to sheet in space provided. Please make sure top bar code label is left on detector. Identify test location for each detector in*
Space provided for that detector (room #, location in room etc.) Use additional sheets as necessary. Please mark clearly if any detector is missing or damaged at retrieval.

4-23-14 Start Time: 12:31 pm Stop Time: 4/29/14 9:12 am Duplicate?_____

Room# or other identifier basement

REMOVE THIS PORTION AND AFFIX TO TEST INFORMATION FORM
2305698

_____Floor:_____

Start Time:_____Stop Time:_____Duplicate?_____

Room# or other identifier_____

Blank?_____Floor:_____

Start Time:_____Stop Time:_____Duplicate?_____

Room# or other identifier_____

Blank?_____Floor:_____

Start Time:_____Stop Time:_____Duplicate?_____

Room# or other identifier_____

Blank?_____Floor:_____

Start Time:_____Stop Time:_____Duplicate?_____

Room# or other identifier_____

Blank?_____Floor:_____

Start Time:_____Stop Time:_____Duplicate?_____

Room# or other identifier_____

Blank?_____Floor:_____

RTCA RADON TESTING CORPORATION OF AMERICA

PC1404300112

Site Radon Inspection Report

Date : 04/30/2014

Mr. Peter Folino
EAGLE ENVIRONMENTAL
8 South Main Street
Suite #3
Terryville, CT 06786-

Client: Project 14-028.12T12
Test Location: 20 Arthur Street
New Haven, CT 06519-
Individual Canister Results

Canister ID# :	2305698	Test Start :	04/23/2014 @ 12:31
Canister Type :	Charcoal Canister 3 inch	Test Stop :	04/29/2014 @ 09:12
Location :	Basement	Received:	04/30/2014 @ 13:16
Radon Level :	1.6 pCi/L	Analyzed:	04/30/2014 @ 15:15

Error for Measurement is: ± 0.2 pCi/L

The reported results indicate that radon levels in the building tested are below the United States Environmental Protection Agency (EPA) action level of 4.0 picoCuries per liter of air (pCi/L). The EPA recommends retesting if your living patterns change and you begin occupying a lower level of the building, such as a basement or if major remodeling is done.

General radon information may be obtained by consulting the EPA booklet: A Citizen's Guide to Radon (www.epa.gov/radon/pubs/citguide.html). To request a copy or for further information, please contact your state health department. The EPA maintains a radon information website, including copies of its publications, at www.epa.gov/iaq/radon.

For New Jersey clients: Please see the attached guidance document entitled Radon Testing and Mitigation: The Basics for further information.

For New York clients: If the radon level of one or more testing devices is equal to or exceeds 20 pCi/L please contact the New York State Department of Health, Bureau of Environmental Radiation Protection, for technical advice and assistance at 518-402-7556 or toll free1-800-458-1158.

PLEDGE OF ASSURED QUALITY

All procedures used for generating this report are in complete accordance with the current EPA protocols for the analysis of radon in air (EPA 402-R-92-004). The analytical results relate only to the samples tested, in the condition received by the lab, and that calculations were based upon the information supplied by client. RTCA and its personnel do not assume responsibility or liability, collectively and individually, for analysis results when detectors have been improperly handled or placed by the consumer, nor does RTCA and its personnel accept responsibility for any financial or health consequences of subsequent action or lack of action, taken by the customer or it's consultants based on RTCA-provided results.

National Radon Safety Board NRSB Certified Radon Professionals

Andreas C. George
Radon Measurement Specialist
NJ MES 11089

Dante Galan
Laboratory Director

NRSB ARL0001
NYS ELAP ID: 10806
PADEP ID: 0346
NJDEP ID: NY933
NJ MEB 90036
FL DOH RB1609

(914)345-3380
FAX (914)345-8546

2 Hayes Street, Elmsford, NY 10523
www.rtca.com

APPENDIX 6

MOLD INSPECTION

EAGLE Environmental, Inc.

MOLD OBSERVATION FORM

Eagle Project No: 14-028, 12T12 Date: 4/24/14 Inspector: Eltwaun Lawrence

Facility Address: 20 Arthur Street, New Haven, CT

Location	Observation	Sample Number
ATTIC	No visible mold or spores of mold observed; No odor or smell of mold noted	

APPENDIX 7

ABATEMENT AND CONSULTING COST ESTIMATES

HAZARDOUS MATERIALS ABATEMENT COST ESTIMATES
APPLICATION NO. 2135
20 ARTHUR STREET
NEW HAVEN, CONNECTICUT

LEAD BASED PAINT COST ESTIMATE

RRP WORK PRACTICES

MATERIAL	QUANTITY	UNIT COST	TOTAL COST
LEAD-BASED PAINT ABATEMENT ALLOWANCE	1	$ 62,000.00 EA	$ 62,000.00
SUBTOTAL			$ 62,000.00
LEAD RENOVATION CONTINGENCY			$ 12,400.00
LEAD RENOVATION TOTAL			$ **74,400.00**

HAZARDOUS MATERIALS ABATEMENT SUBTOTAL $ **74,400.00**

HAZARDOUS MATERIALS CONSULTING COST ESTIMATE

CONSULTING COST	QUANTITY	UNIT COST	TOTAL COST
OVERSIGHT AND CLEARANCE CONTINGENCY	1	$5,500.00 EA	$ 5,500.00
SUBTOTAL			$ 5,500.00
CONSULTING CONTINGENCY			$ 550.00
CONSULTING TOTAL			$ **6,050.00**

GRAND TOTAL $ **80,450.00**

APPENDIX 8

EAGLE ENVIRONMENTAL INC. LICENSES AND LABORATORY CERTIFICATES

Certificate of Training

Awarded to

ANDREW CARNEVALE

For successful completion of a 4 Hour, 1/2 Day

Asbestos Building Inspector
Annual Refresher Training
January 2, 2014

This training was approved and given in accordance with the Regulations for Connecticut State Agencies RCSA 20 - 440 - 1-9 and RCSA 20 - 441 and meets the requirements of the EPA Revised MAP under TSCA Title II of 4/4/94.

Presented by

Mystic Air Quality Consultants, Inc.
1204 North Road, Groton, CT 06340 (800) 247-7746

Certificate Number: ABIRF22726 **Exam Grade:** 100 **Expiration Date:** 01/02/2015
Exam Date: 01/02/2014

Christopher J. Eident, CIH, CSP, RS

George Williamson, Training Director
Richard Haffey, Training Director

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH
PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS LICENSED
BY THIS DEPARTMENT AS A
ASBESTOS CONSULTANT - INSPECTOR

ANDREW C CARNEVALE

LICENSE NO.
000850
CURRENT THROUGH
10/31/14
VALIDATION NO.
08-702940

SIGNATURE

COMMISSIONER

CERT# L-500 - 150

CHEMSCOPE TRAINING DIVISION

LEAD INSPECTOR REFRESHER

8HOUR TRAINING CERTIFICATE

Eltwaun D. Lawrence

531 North Main Street , Bristol CT

Has attended an 8 hour course on the subject discipline on

06/20/2013 and has passed a written examination.

The above individual has successfully completed the above training course approved in accordance with the Department of Public Health Standards established pursuant to Section 20-477 of the Connecticut General Statutes.

Course syllabus includes all required topics of State of Connecticut DPH and EPA.

Examination Date: 06/20/2013

Expiration Date: 06/20/2014

Under civil and criminal penalties of law for the making or submission of false or fraudulent statements or representations (U.S.C. 1001 and 15 U.S.C. 2616), I certify that this training complies with all applicable requirements of Title IV of TSCA, 40 CFR part 745 and any other applicable Federal, State, or local requirements.

Ronald D. Arena or Scott Arena
Training Director Training Manager

Chem Scope, Inc.
15 Moulthrop Street
North Haven CT 06473
(203) 866-5605

Printed in U.S.A.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT,
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A

LEAD INSPECTOR RISK ASSESSOR

CERTIFICATION NO.
002250
CURRENT THROUGH
02/28/15
VALIDATION NO.
03-777776

ELTWAUN D LAWRENCE

SIGNATURE

COMMISSIONER

State of Connecticut, Department of Public Health

Approved Environmental Laboratory

THIS IS TO CERTIFY THAT THE LABORATORY DESCRIBED BELOW HAS BEEN APPROVED BY THE STATE DEPARTMENT OF PUBLIC HEALTH PURSUANT TO APPLICABLE PROVISIONS OF THE PUBLIC HEALTH CODE AND GENERAL STATUTES OF CONNECTICUT, FOR MAKING THE EXAMINATIONS, DETERMINATIONS OR TESTS SPECIFIED BELOW WHICH HAVE BEEN AUTHORIZED IN WRITING BY THAT DEPARTMENT.

EMSL ANALYTICAL, INC. – MANHATTAN, NY

LOCATED AT 307 West 38th Street IN New York, NY 10018

AND REGISTERED IN THE NAME OF Peter Frasca, Ph.D.

THIS CERTIFICATE IS ISSUED IN THE NAME OF James Hall WHO HAS BEEN DESIGNATED BY THE REGISTERED OWNER/AUTHORIZED AGENT TO BE IN CHARGE OF THE LABORATORY WORK COVERED BY THIS CERTIFICATE OF APPROVAL AS FOLLOWS:

ASBESTOS

Examination For:
Bulk – Identification (PLM, TEM)
Air – Fiber Counting (PCM, TEM)
Water – TEM

Environmental Health & Housing

Examination For:
Lead in Paint
Lead Paint in Soil
Lead in Dust Wipes

SEE COMPUTER PRINT-OUT FOR SPECIFIC TESTS APPROVED

THIS CERTIFICATE EXPIRES September 30, 2014 AND IS REVOCABLE FOR CAUSE BY THE STATE DEPARTMENT OF PUBLIC HEALTH

DATED AT HARTFORD, CONNECTICUT, THIS 4th DAY OF October, 2012

Registration No.

PH-0170

SUZANNE BLANCAFLOR, MS
CHIEF, ENVIRONMENTAL HEALTH SECTION

CERTIFICATE OF ACHIEVEMENT

This certifies that

Hannah Hintz
45 Frederick Street, Bristol, CT 06010
000-00-0583

has successfully completed the

INSPECTOR RISK ASSESSOR REFRESHER

Training Course
conducted by
Cardno ATC
73 William Franks Drive
West Springfield, MA 01089
(413) 781-0070

Nora B. Folick
Principal Instructor

Gregory J. Morash
Training Manager

October 2, 2013
Date of Course

October 2, 2013
Exam Date

CTLIRAR 354
Certificate Number

October 2, 2014
Expiration Date

Training received complies with the requirements of the Connecticut Department of Public Health pursuant to Section 2 477 of the Connecticut General Statutes.

STATE OF CONNECTICUT
DEPARTMENT OF PUBLIC HEALTH

PURSUANT TO THE PROVISIONS OF THE GENERAL STATUTES OF CONNECTICUT
THE INDIVIDUAL NAMED BELOW IS CERTIFIED
BY THIS DEPARTMENT AS A

LEAD INSPECTOR RISK ASSESSOR

HANNAH E HINTZ

CERTIFICATION NO.
002244
CURRENT THROUGH
06/30/14
VALIDATION NO.
03-623637

SIGNATURE

COMMISSIONER

The National Radon Safety Board

National Radon Safety Board

NRSB

Certified Radon Professionals

Certifies that

Radon Testing Corp. of America (RTCA)

Located at: 2 Hayes Street Elmsford NY 10523

has successfully met the established and published requirements for Accreditation by The National Radon Safety Board as an

ACCREDITED RADON LABORATORY

NRSB ARL0001

Certification Number

11/30/2013

Expiration Date

Executive Secretary

Executive Director

This certificate is the property of The National Radon Safety Board and is not official without the raised seal.