Facility Support Services, LLC

Environmental & Safety Consulting Engineers

Connecticut Department of Housing
Community Development Block Grant – Disaster Recovery
Owner Occupied Recovery and Rehabilitation Program

Hazardous Materials
Inspection Report

Applicant No. 5010

15 Chetwood Street
Milford, Connecticut

PREPARED FOR:

Martinez Couch & Associates, LLC
1084 Cromwell Ave. Suite A-2
Rocky Hill, CT 06067

PREPARED BY:

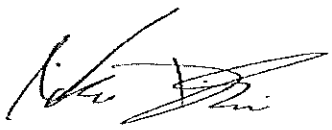
Facility Support Services, LLC
2685 State Street
Hamden, CT 06517
Phone (203) 288-1281

April 28, 2015

FSS #22214 - 5010

SIGNATURES OF REPORT AUTHORS

The employees of Facility Support Services, LLC whose names appear below prepared this report. Requests for information on the content of this document should be directed to these individuals.



Michael DiFabio
CTDPH Asbestos Inspector #000898

2685 State Street • Hamden, Connecticut 06517
Ph: 203-288-1281 • Fax: 203-248-4409
Website: www.fssteam.com

TABLE OF CONTENTS

ATTACHMENTS

2685 State Street • Hamden, Connecticut 06517
Ph: 203-288-1281 • Fax: 203-248-4409
Website: www.fssteam.com

I. Introduction

Facility Support Services, LLC (FSS) was contracted by Martinez, Couch & Associates, LLC (MCA) to perform a limited scope hazardous materials survey of 15 Chetwood Street in Milford, Connecticut (the "Site"). The purpose of this inspection was to identify the presence of asbestos, PCBs, lead paint and mold in certain building materials, proposed for renovation/demolition, damaged by the October 2012 Tropical Storm Sandy under the Connecticut Department of Housing (DOH), Community Development Block Grant – Disaster Recovery Owner Occupied Recovery and Rehabilitation Program. [redacted]

FSS utilized best industry practices to identify all suspect materials associated with the structures. Any material that has not been identified during this inspection or discovered during demolition activities must be presumed to be hazardous until such time that samples of the material can be collected and analyzed.

II. Mold

FSS conducted a visual inspection of mold growth within the residence on April 9, 2015. No visible mold growth was observed in any portion of the residence. In addition, the residence was not sealed from the outside air. Testing for mold in the interior air would not provide useful information about mold growth in the residence and was therefore not conducted.

III. Asbestos

FSS conducted a limited scope asbestos inspection and bulk sampling on April 9, 2015 of suspect building materials that are proposed for renovation/demolition. The inspection was conducted by Michael DiFabio, a State of Connecticut licensed Asbestos Inspector. Mr. DiFabio's Connecticut Asbestos Inspectors license is provided in Attachment A.

The following suspect materials were indentified during the inspection:

- Upstairs Floor Underlayment
- Upstairs Joint Compound
- Outside Styrofoam Paper (Fronting and Backing)
- Tar Paper Beneath Wood Siding Shingles

This asbestos inspection was performed in accordance with the EPA, NESHAP regulations for building renovations and demolition, 40 CFR Part 61, Amended 11/20/1990. The bulk asbestos samples collected during this inspection were delivered under full chain of custody and analyzed by EMSL Analytical, Inc., via EPA/600/R-93/116. This is currently the approved EPA test method, which uses Polarized Light Microscopy (PLM). EMSL Analytical, Inc. is an accredited asbestos laboratory (NVLAP # 200700-0) and is a State of Connecticut approved public health laboratory for asbestos analysis. Copies of the laboratory analytical results can be found in Attachment B of this report.

Laboratory results have revealed that the asbestos content of the tested materials are below the 1% required to confirm a material as asbestos containing.

IV. PCBs

Following an inspection of building materials proposed for renovations, one suspected PCB-containing materials was identified:

- Siding Tar Paper

Copies of the laboratory analytical results can be found in Attachment C of this report.

Laboratory results have revealed that the PCB content of the tested material is below the 1 ppm required to confirm a material is regulated for PCBs.

V. Lead

The subject residential structure was built prior to 1978 (in 1910) and therefore the likelihood that lead painted surfaces are present is increased. As a residential structure built prior to 1978 the removal of lead painted materials where a child under 6 is housed, or may visit, would trigger the EPA Renovation, Repair and Painting (RRP) rule. Furthermore, adherence to the requirements of The Lead-Safe Housing Rule (US Department of Housing and Urban development, HUD) are stipulated by the Connecticut Department of Housing (DOH) as part of the Community Development Block Grant – Disaster Recovery Owner Occupied Recovery and Rehabilitation Program.

A building wide XRF inspection was conducted by Maureen Monaco of Gilberto Lead Inspections, LLC (Gilbertco) utilizing a RMD LPA-1 X-Ray Fluoroscope Spectrum

Analyzer. Appendix E contains the Lead Inspection Report. The findings of the investigation determined that the following tested surfaces were positive for lead based paint (>1.0 mg/cm^2):

- Living Room Window Header
- Living Room Ceiling 2x4
- Bathroom Ceiling 2x4
- Kitchen Ceiling 2x4
- Kitchen Wall 2x4
- Exterior wall (Side 3)

Non-Intact Materials

A copy of the Gilbertco Lead Inspection Report is provided in Appendix D. Following the HUD Lead-Safe Housing Guidelines, non-intact materials should undergo interim measures to abate the hazard. All materials tested positive for lead based paint are identified as defective/non-intact.

Demolition Materials

When toxic wastes are land disposed, contaminated liquid may leach from the waste and pollute ground water. Toxicity is defined through a laboratory procedure called the Toxicity Characteristic Leaching Procedure (TCLP) (Method 1311). The TCLP helps identify wastes likely to leach concentrations of contaminants that may be harmful to human health or the environment. There are no areas that tested positive for lead (regardless of intactness) that are proposed for demolition.

VI. Conclusions & Recommendations

When the structure is renovated, all removed debris should be sent to an appropriate landfill for final disposal following all appropriate regulations. Any work involving lead-containing paints should be conducted under the EPA's RRP Renovation, Repair and Painting Rule. Any material discovered during renovation activities which have not been included in this survey must be presumed to contain asbestos, lead and PCBs until such time that the material can be evaluated and sampled.

Asbestos - No asbestos containing materials (>1% asbestos) were identified in materials proposed for renovation or demolition.

PCBs - No PCB-containing materials were identified in proposed demolition materials.

Mold - FSS conducted a visual inspection of mold growth within the residence. No visible mold growth was observed in any portion of the residence. No air sampling for mold was conducted during this inspection due to the lack of a seal from the outside air. Although there were no visible signs of mold within the residence, FSS recommends that a mold treatment be applied to all first floor exposed building materials up to the flood line. A precautionary mold treatment plan for building materials should be developed.

Lead - Following the HUD Lead-Safe Housing Guidelines, the non-intact/defective areas should undergo interim measures to abate the hazard. The following areas were non-intact/defective as well as testing positive:

- Living Room Window Header
- Living Room Ceiling
- Bathroom Ceiling
- Kitchen Ceiling
- Kitchen Wall
- Exterior wall (Side 3)

There are no areas that tested positive for lead (regardless of intactness) that are proposed for demolition. No further consideration for disposal of hazardous levels of leachable lead in the demolition debris is required for this project.

ATTACHMENTS

ATTACHMENT A

FSS LICENSURE

State of Connecticut

Lookup Detail View

Name
MIKE V DIFABIO

License Information lookup

License Type	License Number	Expiration Date	Granted Date	License Name	License Status	Licensure Actions or Pending Charges
Asbestos Consultant-Inspector	898	12/31/2015	02/25/2015	MIKE V DIFABIO	ACTIVE	None

Generated on: 2/26/2015 3:15:39 PM

ATTACHMENT B

ASBESTOS LABORATORY ANALYTICAL DATA

EMSL Analytical, Inc.
29 North Plains Highway, Unit # 4, Wallingford, CT 06492
Phone/Fax: 203-284-5948 / (203) 284-5978
http://www.EMSL.com wallingfordlab@emsl.com

EMSL Order:	241501421
CustomerID:	FSS93
CustomerPO:	
ProjectID:	

Attn: **Michael DiFabio**
Facility Support Services, LLC
2685 State Street

Hamden, CT 06517

Project: **22214-15 CHETWOOD-5010**

Phone:	(203) 288-1281
Fax:	(203) 248-4409
Received:	04/10/15 8:20 AM
Analysis Date:	4/16/2015
Collected:	

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
22214-040901A *241501421-0001*	Upstairs floor underlayment	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (other)	None Detected
22214-040901B *241501421-0002*	Upstairs floor underlayment	Brown Fibrous Homogeneous	99% Cellulose	1% Non-fibrous (other)	None Detected
22214-040901C *241501421-0003*	Upstairs floor underlayment	Brown/Black Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (other)	None Detected
22214-040902A *241501421-0004*	Upstairs joint compound	White Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (other)	None Detected
22214-040902B *241501421-0005*	Upstairs joint compound	White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (other)	None Detected
22214-040902C *241501421-0006*	Upstairs joint compound	White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (other)	None Detected
22214-040903A *241501421-0007*	Outside styrofoam paper (fronting and backing)	Brown/Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected
22214-040903B *241501421-0008*	Outside styrofoam paper (fronting and backing)	Brown/Black Fibrous Homogeneous	95% Cellulose	5% Non-fibrous (other)	None Detected

Analyst(s)
Kristin Lopez (6)
Lauren Brennan (6)

Gloria V. Oriol, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial report from 04/17/2015 08:31:55

EMSL Analytical, Inc.
29 North Plains Highway, Unit # 4, Wallingford, CT 06492
Phone/Fax: 203-284-5948 / (203) 284-5978
http://www.EMSL.com wallingfordlab@emsl.com

EMSL Order:	241501421
CustomerID:	FSS93
CustomerPO:	
ProjectID:	

Attn: **Michael DiFabio**
Facility Support Services, LLC
2685 State Street

Hamden, CT 06517

Project: **22214-15 CHETWOOD-5010**

Phone:	(203) 288-1281
Fax:	(203) 248-4409
Received:	04/10/15 8:20 AM
Analysis Date:	4/16/2015
Collected:	

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
22214-040903C *241501421-0009*	Outside styrofoam paper (fronting and backing)	Brown Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (other)	**None Detected**
22214-040904A *241501421-0010*	Tar paper beneath wood siding shingles	Black Fibrous Homogeneous	65% Cellulose	35% Non-fibrous (other)	**None Detected**
22214-040904B *241501421-0011*	Tar paper beneath wood siding shingles	Black Fibrous Homogeneous	60% Cellulose	40% Non-fibrous (other)	**None Detected**
22214-040904C *241501421-0012*	Tar paper beneath wood siding shingles	Black Fibrous Homogeneous	15% Cellulose	85% Non-fibrous (other)	**None Detected**

Analyst(s)
Kristin Lopez (6)
Lauren Brennan (6)

Gloria V. Oriol, Laboratory Manager
or other approved signatory

EMSL maintains liability limited to cost of analysis. This report relates only to the samples reported and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities or analytical method limitations. Interpretation and use of test results are the responsibility of the client. This report must not be used by the client to claim product certification, approval, or endorsement by NVLAP, NIST or any agency of the federal government. Non-friable organically bound materials present a problem matrix and therefore EMSL recommends gravimetric reduction prior to analysis. Samples received in good condition unless otherwise noted. Estimated accuracy, precision and uncertainty data available upon request. Unless requested by the client, building materials manufactured with multiple layers (i.e. linoleum, wallboard, etc.) are reported as a single sample. Reporting limit is 1%

Samples analyzed by EMSL Analytical, Inc. Wallingford, CT NVLAP Lab Code 200700-0,

Initial report from 04/17/2015 08:31:55

OrderID: 241501421

EMSL Analytical, Inc.
29 North Plains Hwy, Unit 4

Wallingford, CT 06492
PHONE: (203) 284-5948
FAX: (203) 284-5978

EMSL ANALYTICAL, INC.
LABORATORY · PRODUCTS · TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*: 241501421

Company Name : Facility Support Services, LLC.		**EMSL Customer ID:**	
Street: 2685 State Street		**City:** Hamden	**State/Province:** CT
Zip/Postal Code: 06517	**Country:** United States	**Telephone #:** 203-288-1281	**Fax #:**
Report To (Name): Michael DiFabio		**Please Provide Results:** ☐ Fax ☑ Email	
Email Address: mdifabio@fssteam.com		**Purchase Order:**	
Project Name/Number: 2214 - 15 Chelwood - #5010		**EMSL Project ID** *(Internal Use Only)*:	
U.S. State Samples Taken: CT		**CT Samples:** ☐ Commercial/Taxable ☒ Residential/Tax Exempt	

EMSL-Bill to: ☑ Same ☐ Different - If Bill to Is Different note Instructions in Comments"
Third Party Billing requires written authorization from third party

Turnaround Time (TAT) Options* – Please Check

☐ 3 Hour ☐ 6 Hour ☐ 24 Hour ☐ 48 Hour ☐ 72 Hour ☐ 96 Hour ☑ 1 Week ☐ 2 Week

*For TEM Air 3 hr through 6 hr, please call ahead to schedule. *There is a premium charge for 3 Hour TEM AHERA or EPA Level II TAT. You will be asked to sign an authorization form for this service. Analysis completed in accordance with EMSL's Terms and Conditions located in the Analytical Price Guide.

PCM - Air ☐ Check if samples are from NY
☐ NIOSH 7400
☐ w/ OSHA 8hr. TWA

PLM - Bulk (reporting limit)
☒ PLM EPA 600/R-93/116 (<1%)
☐ PLM EPA NOB (<1%)
Point Count
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
Point Count w/Gravimetric
☐ 400 (<0.25%) ☐ 1000 (<0.1%)
☐ NYS 198.1 (friable in NY)
☐ NYS 198.6 NOB (non-friable-NY)
☐ NYS 198.8 SOF-V
☐ NIOSH 9002 (<1%)

TEM – Air ☐ 4-4.5hr TAT (AHERA only)
☐ AHERA 40 CFR, Part 763
☐ NIOSH 7402
☐ EPA Level II
☐ ISO 10312

TEM - Bulk
☐ TEM EPA NOB
☐ NYS NOB 198.4 (non-friable-NY)
☐ Chatfield SOP
☐ TEM Mass Analysis-EPA 600 sec. 2.5

TEM – Water: EPA 100.2
Fibers >10µm ☐ Waste ☐ Drinking
All Fiber Sizes ☐ Waste ☐ Drinking

TEM- Dust
☐ Microvac - ASTM D 5755
☐ Wipe - ASTM D6480
☐ Carpet Sonication (EPA 600/J-93/167)

Soil/Rock/Vermiculite*
☐ PLM CARB 435 - A (0.25% sensitivity)
☐ PLM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - B (0.1% sensitivity)
☐ TEM CARB 435 - C (0.01% sensitivity)
☐ TEM Qual. via Filtration Technique
☐ TEM Qual. via Drop-Mount Technique
*Can not accept New York State Loose Fill Vermiculite Samples

Other:
☐

☐ Check For Positive Stop – Clearly Identify Homogenous Group | **Filter Pore Size (Air Samples):** ☐ 0.8µm ☐ 0.45µm

Samplers Name: Michael DiFabio | **Samplers Signature:**

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
2214-0409 01A	Upstairs Floor Underlayment		
01B	↓		
01C	↓		
02A	↑		
02B	Upstairs Joint Compound		
02C	↓		
03A	Outside Styrofoam Paper (Fronting and Backing)		

Client Sample # (s): 01 - 04 | **Total # of Samples:** 12

Relinquished (Client): | **Date:** 4/10/15 | **Time:** 8:20

Received (Lab): | **Date:** | **Time:**

Comments/Special Instructions:

RECEIVED
APR 10 2015
By 8:20 am
Wall-lab

Controlled Document - Asbestos COC - R9 - 10/30/2014

Page 1 of 2 pages

OrderID: 241501421

EMSL Analytical, Inc.
29 North Plains Hwy, Unit 4

Wallingford, CT 06492
PHONE: (203) 284-5948
FAX: (203) 284-5978

EMSL ANALYTICAL, INC.
LABORATORY · PRODUCTS · TRAINING

Asbestos Chain of Custody

EMSL Order Number *(Lab Use Only)*:

241501421

Additional Pages of the Chain of Custody are only necessary if needed for additional sample information

Sample #	Sample Description	Volume/Area (Air) HA # (Bulk)	Date/Time Sampled
22214-0409 03B	Outside Styrofoam Paper (Fronting and Backing)		
03C	↓		
04A	Tar Paper Beneath Wood Siding Shingles		
04B	↓		
04C			

***Comments/Special Instructions:**
BillTo: Facility Support Services, LLC , 2665 State Street, Hamden, CT, 06517, United States
Attention: Michele Viarengo Phone: 203-288-1281 Email mviarengo@fssteam.com Purchase Order:

Page 2 of 2 pages

RECEIVED
APR 10 2015
By 8:20am

Controlled Document - Asbestos COC - R9 - 10/30/2014

ATTACHMENT C

PCB LABORATORY ANALYTICAL DATA

80 Lupes Drive
Stratford, CT 06615

Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com

COMPLETE ENVIRONMENTAL TESTING, INC.

Client: Mr. Mike DiFabio
Facility Support Services
2685 State Street
Hamden, CT 06517

Analytical Report

CET# 5040282

Report Date:April 17, 2015
Project: 15 Chetwood St, Milford
Project Number: 22214

Connecticut Laboratory Certificate: PH 0116
Massachussetts laboratory Certificate: M-CT903

NELAP ACCREDITED TNI LABORATORY

New York Certification: 11982
Rhode Island Certification: 199

SAMPLE SUMMARY

The sample(s) were received at 4.6°C.

This report contains analytical data associated with following samples only.

Sample ID	Laboratory ID	Matrix	Collection Date/Time	Receipt Date
Siding Tar Paper	5040282-01	Solid	4/09/2015	04/10/2015

Client Sample ID Siding Tar Paper
Lab ID: 5040282-01

PCBs by Soxhlet **Analyst: SJ**

Method: EPA 8082A **Matrix: Solid**

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Dilution	Prep Method	Batch	Prepared	Date/Time Analyzed	Notes
PCB-1016	ND	2.0	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1221	ND	2.0	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1232	ND	2.0	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1242	ND	2.0	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1248	ND	5.0	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1254	ND	5.0	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1260	ND	0.80	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1268	ND	0.80	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
PCB-1262	ND	0.80	4	EPA 3540C	B5D1312	04/13/2015	04/17/2015 11:24	
Surrogate: TCMX	*89.0 %*	*50 - 150*			B5D1312	04/13/2015	*04/17/2015 11:24*	
Surrogate: DCB	*112 %*	*50 - 150*			B5D1312	04/13/2015	*04/17/2015 11:24*	

CET # : 5040282
Project: 15 Chetwood St, Milford
Project Number: 22214

QUALITY CONTROL SECTION

Batch B5D1312 - EPA 8082A

Analyte	Result (mg/kg (As Rec))	RL (mg/kg (As Rec))	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Blank (B5D1312-BLK1)					Prepared: 4/13/2015 Analyzed: 4/14/2015				
PCB-1016	ND	0.20							
PCB-1221	ND	0.20							
PCB-1232	ND	0.20							
PCB-1242	ND	0.20							
PCB-1248	ND	0.20							
PCB-1254	ND	0.20							
PCB-1260	ND	0.20							
PCB-1268	ND	0.20							
PCB-1262	ND	0.20							
Surrogate: TCMX					*76.9*	*50 - 150*			
Surrogate: DCB					*131*	*50 - 150*			
LCS (B5D1312-BS1)					Prepared: 4/13/2015 Analyzed: 4/14/2015				
PCB-1016	0.773	0.20	1.000		77.3	50 - 150			
PCB-1260	0.963	0.20	1.000		96.3	50 - 150			
Surrogate: TCMX					*75.8*	*50 - 150*			
Surrogate: DCB					*128*	*50 - 150*			
Duplicate (B5D1312-DUP1)		**Source: 5040282-01**			Prepared: 4/13/2015 Analyzed: 4/15/2015				
PCB-1016	ND	2.0		ND				50	
PCB-1221	ND	2.0		ND				50	
PCB-1232	ND	2.0		ND				50	
PCB-1242	ND	2.0		ND				50	
PCB-1248	ND	2.0		ND				50	
PCB-1254	ND	2.0		ND				50	
PCB-1260	ND	0.80		ND				50	
PCB-1268	ND	0.80		ND				50	
PCB-1262	ND	0.80		ND				50	
Surrogate: TCMX					*74.3*	*50 - 150*			
Surrogate: DCB					*72.8*	*50 - 150*			

CET # : 5040282
Project: 15 Chetwood St, Milford
Project Number: 22214

Batch S5D1511 - EPA 8082A

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Calibration Check (S5D1511-CCV1)					Prepared: 4/15/2015 Analyzed: 4/14/2015				
PCB-1016	971		1,000.000		97.1	80 - 120			
PCB-1260	1140		1,000.000		114	80 - 120			
Surrogate: TCMX					*94.9*	*50 - 150*			
Surrogate: DCB					*109*	*50 - 150*			

CET # : 5040282
Project: 15 Chetwood St, Milford
Project Number: 22214

Batch S5D1605 - EPA 8082A

Analyte	Result (ug/L)	RL (ug/L)	Spike Level	Source Result	% Rec	% Rec Limits	RPD	RPD Limit	Notes
Calibration Check (S5D1605-CCV1)					Prepared: 4/16/2015 Analyzed: 4/15/2015				
PCB-1016	907		1,000.000		90.7	80 - 120			
PCB-1260	930		1,000.000		93.0	80 - 120			
Surrogate: TCMX					*94.3*	*50 - 150*			
Surrogate: DCB					*79.8*	*50 - 150*			

CET # : 5040282
Project: 15 Chetwood St, Milford
Project Number: 22214

80 Lupes Drive
Stratford, CT 06615

COMPLETE ENVIRONMENTAL TESTING, INC.

Tel: (203) 377-9984
Fax: (203) 377-9952
email: cet1@cetlabs.com

Quality Control Definitions and Abbreviations

Internal Standard (IS)	An Analyte added to each sample or sample extract. An internal standard is used to monitor retention time, calculate relative response, and quantify analytes of interest.
Surrogate Recovery	The % recovery for non-tarer organic compounds that are spiked into all samples. Used to determine method performance.
Continuing Calibration	An analytical standard analyzed with each set of samples to verify initial calibration of the system.
Batch	Samples that are analyzed together with the same method, sequence and lot of reagents within the same time period.
ND	Not detected
RL	Reporting Limit
Dilution	Multiplier added to detection levels (MDL) and/or sample results due to interferences and/or high concentration of target compounds.
Duplicate	Result from the duplicate analysis of a sample.
Result	Amount of analyte found in a sample.
Spike Level	Amount of analyte added to a sample
Matrix Spike Result	Amount of analyte found including amount that was spiked.
Matrix Spike Dup	Amount of analyte foun in duplicate spikes including amount that was spike.
Matrix Spike % Recovery	% Recovery of spiked amount in sample.
Matrix Spike Dup % Recovery	% Recovery of spiked duplicate amount in sample.
RPD	Relative percent difference between Matrix Spike and Matrix Spike Duplicate.
Blank	Method Blank that has been taken through all steps of the analysis.
LCS % Recovery	Laboratory Control Sample percent recovery. The amount of analyte recovered from a fortified sample.
Recovery Limits	A range within which specified measurements results must fall to be compliant.
CC	Calibration Verification

Flags:

- H- Recovery is above the control limits
- L- Recovery is below the control limits
- B- Compound detected in the Blank
- P- RPD of dual column results exceeds 40%
- #- Sample result too high for accurate spike recovery.

NELAP ACCREDITED TNI LABORATORY

Connecticut Laboratory Certification PH0116
Massachussets Laboratory Certification M-CT903

New York Certification 11982
Rhode Island Certification 199

CET # : 5040282
Project: 15 Chetwood St, Milford
Project Number: 22214

Questions related to this report should be directed to David Ditta, Timothy Fusco, or Robert Blake at 203-377-9984.

Sincerely,

David Ditta
Laboratory Director

Report Comments:

Sample Result Flags:
E- The result is estimated, above the calibration range.
H- The surrogate recovery is above the control limits.
L- The surrogate recovery is below the control limits.
B- The compound was detected in the laboratory blank.
P- The Relative Percent Difference (RPD) of dual column analyses exceeds 40%.
D- The RPD between the sample and the sample duplicate is high. Sample Homogenity may be a problem.
+- The Surrogate was diluted out.
*C1- The Continuing Calibration did not meet method specifications and was biased low for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased low.
*C2- The Continuing Calibration did not meet method specifications and was biased high for this analyte. Increased uncertainty is associated with the reported value which is likely to be biased high.
*F1- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the low side.
*F2- The Laboratory Control Sample recovery is outside of control limits. Reported value for this analyte is likely to be biased on the high side.
I- The Analyte exceeds %RSD limits for the Initial Calibration. This is a non-directional bias.

All results met standard operating procedures unless indicated by a data qualifier next to a sample result, or a narration in the QC report.

Complete Environmental Testing is only responsible for the certified testing and is not directly responsible for the integrity of the sample before laboratory receipt.

ND is None Detected at the specified detection limit
All analyses were performed in house unless a Reference Laboratory is listed.
Samples will be disposed of 30 days after the report date.

CET # : 5040282
Project: 15 Chetwood St, Milford
Project Number: 22214

CERTIFICATIONS

Certified Analyses included in this Report

Analyte	Certifications
EPA 8082A in Soil	
PCB-1016	CT,NY
PCB-1221	CT,NY
PCB-1232	CT,NY
PCB-1242	CT,NY
PCB-1248	CT,NY
PCB-1254	CT,NY
PCB-1260	CT,NY
PCB-1268	CT
PCB-1262	CT
EPA 8082A in Solid	
PCB-1016	CT,NY
PCB-1221	CT,NY
PCB-1232	CT,NY
PCB-1242	CT,NY
PCB-1248	CT,NY
PCB-1254	CT,NY
PCB-1260	CT,NY
PCB-1268	CT
PCB-1262	CT

Complete Environmental Testing operates under the following certifications and accreditations:

Code	Description	Number	Expires
CT	Connecticut Public Health	PH0116	09/30/2016
NY	New York Certification (NELAC)	11982	04/01/2015

5040282

COMPLETE ENVIRONMENTAL TESTING, INC.

CHAIN OF CUSTODY

Volatile Soils Only:
Date and Time in Freezer
Client:
CET:

80 Lupes Drive
Stratford, CT 06615
Tel: (203) 377-9984
Fax: (203) 377-9952
e-mail: cet1@cetlabs.com
Bottle Request e-mail: bottleorders@cetlabs.com

Matrix: A=Air, S=Soil, W=Water, DW=Drinking Water, C=Cassette, Solid, Wipe, Other (Specify)

Turnaround Time ** (check one): Same Day *, Next Day *, 2-3 Days *, Std (5-7 Days)

Organics: 8260 CT List, 8260 Aromatics, 8260 Halogens, 624, CT ETPH, 8270 CT List, 8270 PNAs, PCBs Soxhlet, Pesticides

Metals (check all that apply): 13 Priority Poll, 8 RCRA, TOTAL, TCLP, SPLP, Field Filtered, Lab To Filter

Additional Analysis

Sample ID	Sample Depths (Units)	Collection Date/Time	Matrix	Same Day *	Next Day *	2-3 Days *	Std (5-7 Days)	8260 CT List	8260 Aromatics	8260 Halogens	624	CT ETPH	8270 CT List	8270 PNAs	PCBs Soxhlet	Pesticides	13 Priority Poll	8 RCRA	TOTAL	TCLP	SPLP	Field Filtered	Lab To Filter	TOTAL # OF CONT.	NOTE #
Siding Tar Paper		4/9/15	Solid				X								X									1	

PRESERVATIVE (Cl–HCl, N–HNO_3, S–H_2SO_4, Na–NaOH, C=Cool, O–Other)

CONTAINER TYPE (P–Plastic, G–Glass, V–Vial, O–Other)

Soil VOCs Only (M=MeOH, B=Sodium Bisulfate, W=Water, F=Empty Vial, E=Encore)

RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
	4/10/15 1055	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:
4-10-15	1450	
RELINQUISHED BY:	DATE/TIME	RECEIVED BY:

NOTES:

Client / Reporting Information

Company Name: Facility Support Services LLC
Address: 2695 State Street
City: Hamden
State: CT
Zip: 06517
Report To: Michael DiFabio
E-mail: mdifabio@fssteam.com
Phone #: 203-288-1281
Fax #:

Project Information

Project Contact: Kevin Bogue
PO #:
Project: 15 Chetwood St.
Project #: 22214
Location: Milford CT
Collector(s): M. DiFabio

QA/QC: ☒ Std ☐ Site Specific (MS/MSD) * ☐ RCP Pkg * ☐ DQAW *
Data Report: ☒ PDF ☐ EDD - Specify Format ☐ Other
RSR Reporting Limits (check one): ☐ GA ☐ GB ☐ SWP ☒ Other 1 ppm
Laboratory Certification Needed (check one): ☒ CT ☐ NY ☐ RI ☐ MA
Temp Upon Receipt: 4.6 °C
Evidence of Cooling: (Y) N
SHEET 1 OF 1

* Additional charge may apply. ** TAT begins when the samples are received at the Lab and all issues are resolved. TAT for samples received after 3 p.m. will start on the next business day.

REV. 06/14

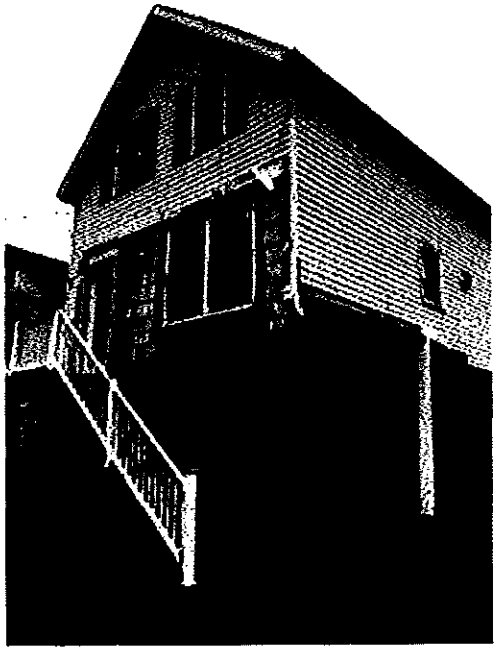
55

ATTACHMENT D

LEAD REPORT

LEAD BASED PAINT INSPECTION
REPORT OF FINDINGS
OF:

15 CHETWOOD STREET
MILFORD, CONNECTICUT



DATE:
APRIL 9, 2015

PREPARED BY:
GILBERTCO LEAD INSPECTIONS LLC
287 MAIN STREET
ANSONIA, CONNECTICUT 06401

GILBERTCO
LEAD INSPECTIONS, LLC

"LEAD BASED PAINT SPECIALIST"

April 9, 2015

Job 040915

Michael DiFabio
Facility Support Services, LLC
2685 State Street
Hamden, Connecticut 06517

Re: Lead Paint Inspection- 15 Chetwood Street, Milford, Connecticut

Gilbertco Lead Inspections LLC performed a limited XRF inspection for the presence of lead based paint at 15 Chetwood Street, Milford, Connecticut. The inspection was requested by Facility Support Services in response to planned renovations to the site by State of Connecticut Department of Housing Community Block Grant Disaster Recovery Program.

The site inspected consisted of a three story, single family home built about 1910. The exterior is vinyl sided with vinyl replacement windows except for the rear bedroom. Some exterior siding has been removed. The interior has been gutted and original painted wood ceilings, beams and supports remain in place. It was vacant at the time of inspection.

In accordance with the Manufacturers Specifications, the RMD LPA-1 Analyzer was used in the "Quick" assaying mode. This enables the equipment to accurately determine whether the result is "Positive", above the 1.0 mg/cm2 action level or "Negative", below the action level regardless of precision or operator bias. In accordance with the above guidance, values of 0.9 mg/cm2 through 1.1 mg/cm2 are considered "Inconclusive", meaning the value level of lead in paint was so close to the 1.0 mg/cm2 action level that further analysis by XRF would not result in a "Positive" or "Negative" answer. Only laboratory analysis of the paint film can determine actual values in this range. Chip sampling of inconclusive was not included in the scope of this report, therefore, any results above 0.9 mg/cm2 are considered positive. Results are arranged floor plan style with the substrate and condition noted. Orientation of rooms places side 'one' as street side, with side 'two' to the left, side 'three' opposite, and wall 'four' to the right. Rooms were tested in a clockwise pattern.

287 Main Street
Ansonia, CT 06401
203-732-2615 - FAX 866-437-8191
Toll Free In CT Only 1-800-959-2985

In regards to the above mentioned property *several lead based paint hazards were identified.* A lead based paint hazard is "any condition that causes exposure from lead-contaminated dust, lead contaminated soil, or lead-contaminated paint that is deteriorated or present in accessible surfaces, friction surfaces, or impact surfaces that would result in adverse human health effects...". (The Residential Lead Based Paint Hazard Reduction Act of 1992 – Title X).

Abatement of leaded surfaces may include enclosure measures as described in HUD Guidelines, Chapter 12, subsection III Enclosure Methods. Caulked and sealed seams of rigid encapsulants are effective abatement techniques.

Post abatements inspection should include reoccupancy testing for lead in dust.

Please feel free to call if any questions arise,

Maureen Monaco
Director of Operations
Consultant Contractor #270
Lead Inspector Risk Assessor #1172
Lead Abatement Supervisor #2383

CERTIFICATION
LEAD IN PAINT RESULTS

AGENCY:	GILBERTCO LEAD INSPECTIONS LLC 287 MAIN STREET ANSONIA, CONNECTICUT 06401
PROJECT ADDRESS:	15 CHETWOOD STREET MILFORD, CONNECTICUT
PROJECT NUMBER:	040915
TEST DATE:	APRIL 9, 2015
REQUIREMENTS:	CHAPTER 7, HUD GUIDELINES LEAD INSPECTION- SURFACE BY SURFACE
INSTRUMENTATION:	LPA-1 SERIAL NUMBER L7-643 (PROTEC) FLUOROSCOPE SPECTRUM ANALYZER (XRF) COBALT 57 SOURCE
REPORT MEDIUM:	MG PB/CM2 (MILLIGRAMS OF LEAD PER SQUARE CENTIMETER)
CALIBRATION:	TO MEASURE LEAD K-SHELL EMISSIONS. FACTORY CALIBRATED WITH HUD APPROVED REFERENCE STANDARDS. CALIBRATION FIELD CHECKED HOURLY AS RECOMMENDED BY MANUFACTURER
OPERATORS CERTIFICATION:	LEAD CONSULTANT CONTRACTOR-CC270 LEAD INSPECTOR RISK ASSESSOR- IR 1172 LEAD ABATEMENT SUPERVISOR- 2383 LEAD PLANNER/PROJECT DESIGNER -2152 MT(ASCP)- BS- Medical Technology CLS- Clinical Laboratory Scientist

I hereby certify to the best of my knowledge and capabilities that this report reflects the true lead content of the surfaces tested in this report on this date.

Mauri Mraw 9/15/2015

15 Chetwood Street, Milford, Connecticut
April 9, 2015

Reading	Rm #	Room	Side	Component	Member	Condition	Substrate	Color	mg/cm2	Decision
1	999	Calibration							1.1	okay
2	999	Calibration							1	okay
3	999	Calibration							1	okay
4	1	Living Rm	2	Wall	2 x 4	Defective	Wood	white	0.2	Negative
5	1	Living Rm	2	Wall	2 x 4	Defective	Wood	white	0	Negative
6	1	Living Rm	2	Wall	post	Defective	Wood	green	0.1	Negative
7	1	Living Rm	2	Wall	2x4	Defective	Wood	green	0	Negative
8	1	Living Rm	2	Window	Header	Defective	Wood	gold	9.9	Positive
9	1	Living Rm	2	Ceiling		Defective	Wood	gold	8.5	Positive
10	1	Living Rm	2	Ceiling	2x4	Defective	Wood	brown	9.8	Positive
11	1	Living Rm	3	Wall		Defective	Dry wall	white	-0.3	Negative
12	1	Living Rm	4	Wall		Defective	Wood	green	0	Negative
13	1	Living Rm	4	Post	post	Defective	Wood	green	0	Negative
14	2	Bathroom	4	Post	post	Defective	Wood	white	0	Negative
15	2	Bathroom	4	Window	Rgt casing	Defective	Wood	white	-0.3	Negative
16	2	Bathroom	4	Wall		Defective	Wood	green	0	Negative
17	2	Bathroom	4	Ceiling		Defective	Wood	gold	9.9	Positive
18	2	Bathroom	4	Ceiling	2x4	Defective	Wood	brown	7.2	Positive
19	3	Kitchen	4	Ceiling		Defective	Wood	gold	6.6	Positive
20	3	Kitchen	4	Ceiling	2x4	Defective	Wood	brown	6.3	Positive
21	3	Kitchen	2	Wall		Defective	Wood	gold	9.9	Positive
22	3	Kitchen	2	Wall		Defective	Wood	gold	9.9	Positive
23	3	Kitchen	2	Wall		Defective	Wood	black	9.9	Positive
24	3	Kitchen	2	Wall	2x4	Defective	Wood	black	9.9	Positive
25	3	Kitchen	3	Wall	2x4	Defective	Wood	gold	9.9	Positive
26	3	Kitchen	3	Wall	2x4	Defective	Wood	black	-0.1	Negative
27	3	Kitchen	3	Wall	2x4	Defective	Wood	white	-0.2	Negative
28	4	Front BR	1	Window	Sill	Defective	Wood	white	0	Negative
29	4	Front BR	1	Window	Rgt casing	Defective	Wood	white	0	Negative
30	4	Front BR	1	Window	Apron	Defective	Wood	white	-0.3	Negative
31	4	Front BR	1	Wall		Defective	Dry wall	white	-0.3	Negative
32	4	Front BR	2	Wall		Defective	Dry wall	white	-0.3	Negative
33	4	Front BR	3	Wall		Defective	Dry wall	white	-0.2	Negative
34	4	Front BR	4	Wall		Defective	Dry wall	white	-0.1	Negative
35	4	Front BR	4	Ceiling		Defective	Dry wall	white	-0.5	Negative
36	4	Front BR	1	Baseboard		Defective	Wood	white	-0.1	Negative
37	4	Front BR	1	Floor		Defective	Wood	N/A	-0.4	Negative
38	5	Bathroom	2	Door	Lft jamb	Defective	Wood	N/A	0.1	Negative
39	5	Bathroom	2	Door	Rgt casing	Defective	Wood	N/A	-0.1	Negative
40	5	Bathroom	2	Wall		Defective	Dry wall	N/A	-0.1	Negative

41	5	Bathroom	3	Wall		Defective	Dry wall	N/A	0	Negative
42	5	Bathroom	4	Wall		Defective	Dry wall	N/A	-0.1	Negative
43	5	Bathroom	1	Wall		Defective	Dry wall	N/A	-0.4	Negative
44	5	Bathroom	1	Ceiling		Defective	Dry wall	N/A	0	Negative
45	6	Rear BR	1	Door		Defective	Wood	N/A	-0.1	Negative
46	6	Rear BR	1	Door	Rgt casing	Defective	Wood	N/A	-0.2	Negative
47	6	Rear BR	1	Door	Lft jamb	Defective	Wood	N/A	-0.1	Negative
48	6	Rear BR	1	Wall		Defective	Dry wall	N/A	-0.2	Negative
49	6	Rear BR	2	Wall		Defective	Dry wall	N/A	-0.2	Negative
50	6	Rear BR	3	Wall		Defective	Dry wall	N/A	-0.3	Negative
51	6	Rear BR	4	Wall		Defective	Dry wall	N/A	-0.3	Negative
52	6	Rear BR	3	Baseboard		Defective	Wood	N/A	-0.1	Negative
53	6	Rear BR	3	Window	Sill	Defective	Wood	N/A	0.1	Negative
54	6	Rear BR	3	Window	Sash	Defective	Wood	N/A	-0.1	Negative
55	6	Rear BR	3	Window	Rgt casing	Defective	Wood	N/A	-0.2	Negative
56	6	Rear BR	3	Window	Apron	Defective	Wood	N/A	-0.1	Negative
57	6	Rear BR	3	Wall		Defective	Wood	gold	0.3	Negative
58	6	Rear BR	4	Closet	Door	Defective	Wood	white	-0.2	Negative
59	6	Rear BR	4	Closet	Door Casing	Defective	Wood	white	-0.1	Negative
60	6	Rear BR	4	Closet	Wall	Defective	Wood	white	-0.2	Negative
61	6	Rear BR	4	Closet	Shelf Sup.	Defective	Wood	white	0	Negative
62	7	Exterior	1	Door	Lft casing	Defective	Wood	white	-0.4	Negative
63	7	Exterior	1	Wall		Defective	Wood	white	0	Negative
64	**7**	**Exterior**	**3**	**Wall**		**Defective**	**Wood**	**brown**	**1.5**	**Positive**
65	7	Exterior	2	Wall		Defective	Wood	green	-0.2	Negative
66	999	Calibration							1.1	okay