

.....

# ***Asbestos & Lead Paint Survey Report***

***Subject Sites:  
Three Residential Homes  
1800 8th Avenue, 1819 13th Street, 1849  
13th Street, West Linn, Oregon 97068***

***Prepared for:  
City of West Linn, Oregon***

***Prepared by:  
Creekside Environmental Consulting, LLC  
21790 SW Chehalis Court  
Tualatin, Oregon 97062  
(503) 692-8118***

**CEC Project No. CWL-2012.1**

***September 2012*** .....





September 4, 2012

Robert Galante, Project Manager  
City of West Linn  
22500 Salamo Road  
West Linn, OR 97068

Subject: Asbestos and Lead Paint Survey Report – 3 Houses  
City of West Linn Oregon Police Station Project  
Subject Sites: 1800 8th Avenue, 1819 13th Street, 1849 13th Street, West Linn, Oregon 97068  
CEC Project No. CWL-2012.1

Robert:

Creekside Environmental Consulting, LLC (Creekside) has prepared this letter report to present our findings, conclusions, and recommendations following our hazardous materials survey at the three above-referenced residential homes located in West Linn, Oregon. The purpose of this project was to visit and inspect the homes and determine if asbestos or leachable lead is present. Our survey was conducted in a manner that is consistent with appropriate Oregon Dept. of Environmental Quality (DEQ) rules and regulations for hazardous materials assessment, and our findings are strictly confidential. Creekside's survey included onsite sampling, evaluation of laboratory test results, and comparison of the test results with appropriate regulatory standards and benchmarks. A detailed description of our project activities and assessment results are provided in the following sections:

## **ASBESTOS**

Creekside conducted the asbestos surveys for each home on April 15, 2012. A total of fifty eight (58) samples of potentially asbestos containing materials (PACMs) were collected and analyzed for asbestos; they included ceiling texture, leveling compound, shingles, wall board, cove base mastic, vinyl floor tile and mastic (glue). Laboratory testing was completed by Certified Environmental Consulting, Inc. (CEC). The results showing only the positive asbestos samples are summarized in Table 1 on the following page and a copy of CEC's bulk sample analysis reports showing the results for all samples collected from each house is attached to this report.

**Table 1 – Summary of Positive Asbestos Test Results**

Sample Number	Asbestos Content	Description of Material	Location / Approximate Total Ft <sup>2</sup>
<b><i>House # 1 - 1800 8th Avenue (1,400 Square Feet)</i></b>			
5B	20 % Chrysotile	Sheet Vinyl, Bottom Layer	Hallway Bathroom (40 Ft <sup>2</sup> )
10, 11, 12	4 % Chrysotile	Sprayed on Ceiling Texture	Living Room, Hallway & Bedroom (1,100 Ft <sup>2</sup> )
<b><i>House # 2 - 1819 13th Street (1,020 Square Feet)</i></b>			
2, 3, 4A	2 – 3 % Chrysotile	Floor Tile & Mastic	Basement Bedroom & Basement Kitchen (800 Ft <sup>2</sup> )
7, 8, 9	3 % Chrysotile	Trowled on Ceiling Texture	Bedroom Hallway & Living Room Hallway (700 Ft <sup>2</sup> )
<b><i>House # 3 - 1849 13th Street (1,656 Square Feet)</i></b>			
2, 4, 5, 6	2 - 3 % Chrysotile	Trowled on Ceiling Texture	Garage, Living Room and Hallway (1,600 Ft <sup>2</sup> )
9B	20 % Chrysotile	Sheet Vinyl	Bottom Layer Entry (13 Ft <sup>2</sup> )
14	3 % Anthophyllite	Cove Base Mastic	Family Room (40 Ft <sup>2</sup> )

**LEAD-BASED PAINT**

The purpose of this assessment was to determine if lead-based paint, as defined by the Environmental Protection Agency (EPA) and the Department of Housing and Urban Development (HUD), was present at the subject site in the areas planned for demolition or repair. EPA and HUD define “lead-based” paint as paint containing greater than one milligram of lead per square centimeter of paint (mg/cm<sup>2</sup>). *If paint contains lead equal to or greater than 5000 ug/g (equal to 0.5 percent, 5000 mg/kg, or 5000 ppm) by weight or 1.0 mg/cm<sup>2</sup> by area, it is considered to be lead-based paint under the Lead-Based Paint Poisoning Prevention Act.* Using proper sampling equipment and new sample containers, Creekside’s inspector collected paint samples from building materials in each of the three houses. The samples were analyzed for total lead and leachable lead (TCLP) using appropriate EPA-approved test methods. Certified Environmental Consulting located in Vancouver, Washington, analyzed the paint samples. The laboratory test results (see attached) indicated that five out of nine samples tested positive for total lead which exceeds OR-OSHA/HUD residential action levels for occupancy; however, the samples submitted for leachable lead did not exceed EPA’s hazardous waste criteria of 5.0 mg/L for Waste Code D008. Accordingly, the demolition debris from each of these houses can be accepted in Oregon landfills that are licensed to accept construction debris. A summary of the total lead and TCLP lead test results is provided in the attached survey reports prepared by Certified Environmental Consulting, LLC for Creekside for this project.

## **FINDINGS & CONCLUSIONS**

On August 15, 2012, Creekside's subcontractor (Certified Environmental Consulting, LLC) conducted pre-demolition surveys at three West Linn, Oregon residential homes which are specifically referenced in this report. A total of fifty eight (58) samples were analyzed for potentially asbestos-containing materials and nine (9) samples were analyzed for lead-containing paint and building materials. Our findings and conclusions are summarized below:

- Sixteen (16) of the fifty eight samples collected from various areas at all three homes contained friable asbestos. This represented seven "homogeneous areas" referenced in Table 1 on page 2 of this report.
- The laboratory test results (see attached) indicated that five out of nine samples tested positive for total lead which exceeds OR-OSHA/HUD residential action levels for occupancy; however, the samples submitted for leachable lead did not exceed EPA's hazardous waste criteria of 5.0 mg/L for Waste Code D008. Accordingly, the demolition debris from each of these houses can be accepted in Oregon landfills that are licensed to accept construction debris.

## **RECOMMENDATIONS**

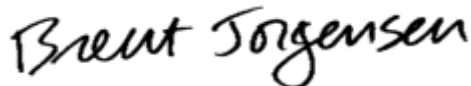
Creekside recommends that the identified asbestos building materials in each home be properly abated (removed) prior to the demolition by an Oregon-DEQ licensed contractor using methods consistent with Oregon Dept. of Environmental Quality rules and OSHA's General Industry Standards (29 CFR 1910.1001).

## **LIMITATIONS**

Our scope of work for this project was limited to the descriptions provided in our approved contract dated August 9, 2012. Although Creekside has characterized accessible building materials that may contain asbestos and lead, there may be other materials obscured from view or inaccessible during our survey and may be revealed during future renovation activities. If new previously unidentified suspect building materials are discovered, contact Creekside prior to continuing work so we can assess them and recommend further actions. Creekside recommends abating all identified asbestos containing materials from each residence referenced in this report prior to demolition activities, as required under state and federal law.

Please call me at (503) 692-8118 if you have questions or comments regarding this letter report.

## **CREEKSIDE ENVIRONMENTAL CONSULTING, LLC**



Brent Jorgensen, CHMM - Principal

Attachments: 3 Survey Reports by CEC including lab results, certificates, licenses & photos.

***Survey Reports***  
***by***  
***Certified Environmental Consulting, Inc.***

**ASBESTOS SURVEY**  
**WITH**  
**LEAD PAINT REPORT**  
**AND**  
**LEAD TCLP REPORT**

For the house located at:

**1800 8<sup>TH</sup> AVENUE**  
**WEST LINN, OREGON**

Prepared for:  
Creekside Environmental Consulting

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**  
**615 SE CHKALOV DRIVE SUITE 12**  
**VANCOUVER, WASHINGTON 98683-5280**

Prepared by:  
Tom Thompson

**EXECUTIVE SUMMARY**

Dear Mr. Jorgensen;

Enclosed are the results of the asbestos survey, lead paint report, and lead TCLP report conducted by C.E.C., Inc. for the house located at, 1800 8<sup>th</sup> Avenue, in West Linn, Oregon. This survey was coordinated with you and conducted on August 15, 2012, by Tom Thompson, an AHERA certified inspector.

All samples were taken in a random manner as required by EPA AHERA rules and analyzed using polarized light microscopy with dispersion staining according to EPA and OR-OSHA Methodology.

**Asbestos was identified in the sheet vinyl, and sprayed on ceiling texture (please see sample data sheets attached). Please note that there is a trace amount (less than one percent) of chrysotile asbestos in the gypsum wallboard with tape and mud. As it is a trace amount, it is not required to be treated as asbestos containing.**

The following survey is divided into the following sections:

- ◇ Summary sheet - details the type and construction of the building with approximate amounts of asbestos in the building.
- ◇ Sample result sheet - contains sample numbers and results, description of materials and homogeneous areas of material.
- ◇ Assessment of materials - contains an assessment of asbestos materials.
- ◇ Response actions recommended - contains the response actions we recommend.
- ◇ Laboratory analysis sheet - contains the results of our laboratory analysis.
- ◇ Inspector's certifications.
- ◇ Lead paint report.
- ◇ Firm certification.
- ◇ Lead TCLP report.
- ◇ Photographic log.

C.E.C. has investigated accessible areas of this facility in locating suspect ACM. The current extent and condition of the ACM was detected through on-site observation and physical determination.

NOTE: This asbestos survey report is available to Creekside Environmental Consulting, and not to be reproduced in total or part without written consent of Creekside Environmental Consulting.

We appreciate the opportunity to have worked with you. If you have any questions or if we can be of any further service, please contact our office.

Sincerely,

  
Don Young  
Principal

**SUMMARY SHEET**

**Owner or Representative:** Brent Jorgensen

**Address:** 1800 8<sup>th</sup> Avenue

**City:** West Linn      **State:** Oregon

**Owner's Representative:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Owner/Rep. Telephone Number:** (503) 692-8118

**Surveyed by:** Tom Thompson - Accreditation Number: 135307

**CONSTRUCTION DATA:**

**Year Built:** Approx: 1960's      **Size:** Approx. 1,400 SQ FT

**Construction Type:** Wood

**Roof Construction:** Asphalt Shingle

**Heating System:** Baseboard

**Attic Insulation:** Fiberglass

**Pipe Insulation:** Non-insulated



**SUMMARY DATA**

**1800 8<sup>TH</sup> AVENUE, WEST LINN, OREGON**

PRODUCT	AMOUNT	FRIABLE	CONDITION	SAMPLE #	RESULTS
SHEET VINYL	APPROX. 40 SQ FT	YES	GOOD	5B	<b>20% CHRYSOTILE</b>
SPRAYED ON CEILING TEXTURE	APPROX. 1,100 SQ FT	YES	GOOD	10, 11, 12	<b>4% CHRYSOTILE</b>

**SAMPLE RESULTS**

**1800 8<sup>TH</sup> AVENUE, WEST LINN, OREGON**

SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	HOMOGENEOUS AREA	ASBESTOS CONTENT
1	ASPHALT SHINGLE	ROOF	ENTIRE ROOF	NONE DETECTED
2	BLACK SHEET VINYL	ENTRY		NONE DETECTED
3A	BROWN SHEET VINYL	TOP LAYER KITCHEN		NONE DETECTED
3B	LEVELING COMPOUND	BOTTOM LAYER KITCHEN		NONE DETECTED
4	TAN SHEET VINYL	MASTER BATHROOM		NONE DETECTED
5A	SHEET VINYL	TOP LAYER HALLWAY BATHROOM		NONE DETECTED
5B	SHEET VINYL	BOTTOM LAYER HALLWAY BATHROOM		<b>20% CHRYSOTILE</b>
6	FLOOR TILE AND MASTIC	BASEMENT HALLWAY	BASEMENT BATHROOM	NONE DETECTED
7	FLOOR TILE AND MASTIC	LAUNDRY ROOM	FAMILY ROOM, BASEMENT BEDROOM	NONE DETECTED

**SAMPLE RESULTS**

**1800 8<sup>TH</sup> AVENUE, WEST LINN, OREGON**

SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	HOMOGENEOUS AREA	ASBESTOS CONTENT
8	CEILING TILE	BASEMENT	THROUGHOUT BASEMENT	NONE DETECTED
9	GYPSUM WALLBOARD WITH TAPE AND MUD	BEDROOM	THROUGHOUT	TRACE <1% CHRYSOTILE
10	SPRAYED ON CEILING TEXTURE	LIVING ROOM	SELECTIVE THROUGHOUT MAIN AND UPPER LEVELS	<b>4% CHRYSOTILE</b>
11	SPRAYED ON CEILING TEXTURE	HALLWAY	SELECTIVE THROUGHOUT MAIN AND UPPER LEVELS	<b>4% CHRYSOTILE</b>
12	SPRAYED ON CEILING TEXTURE	BEDROOM	SELECTIVE THROUGHOUT MAIN AND UPPER LEVELS	<b>4% CHRYSOTILE</b>
13	COVE BASE MASTIC	KITCHEN		NONE DETECTED
14	ORANGE PEEL TEXTURE	LIVING ROOM	THROUGHOUT	NONE DETECTED
15	ORANGE PEEL TEXTURE	HALLWAY	THROUGHOUT	NONE DETECTED
16	ORANGE PEEL TEXTURE	BEDROOM	THROUGHOUT	NONE DETECTED

**ASSESSMENT OF MATERIALS**

Building: **1800 8<sup>TH</sup> AVENUE, WEST LINN, OREGON**

Sample #s	Functional Space	Asbestos Type	%	Material And Condition	Comments	Sq. Ft. And/Or Linear Footage
5B	BOTTOM LAYER HALLWAY BATHROOM	CHRYSTILE	20%	SHEET VINYL (GOOD)	SEE RESPONSE ACTIONS	APPROX. 40 SQ FT
10, 11, 12	LIVING ROOM, HALLWAY, BEDROOM, SELECTIVE THROUGHOUT MAIN AND UPPER LEVELS	CHRYSTILE	4%	SPRAYED ON CEILING TEXTURE (GOOD)	SEE RESPONSE ACTIONS	APPROX. 1,100 SQ FT

**Inspector:** Tom Thompson - Accreditation Number: 135307

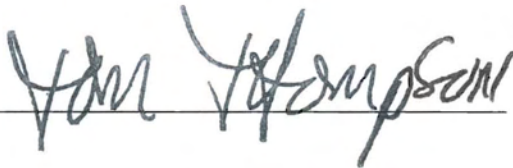
**Signature:**  **Date:** August 28, 2012

**RESPONSE ACTIONS RECOMMENDED**

Building: 1800 8<sup>TH</sup> AVENUE, WEST LINN, OREGON

MATERIAL	LOCATION	RECOMMENDED RESPONSE ACTIONS
SHEET VINYL	BOTTOM LAYER HALLWAY BATHROOM	Sheet vinyl is a friable material currently in good condition and poses no health hazards in its present state. Do not drill through, sand on, tear, remove, or otherwise disturb material. Must be removed prior to renovation or demolition.
SPRAYED ON CEILING TEXTURE	LIVING ROOM, HALLWAY, BEDROOM, SELECTIVE THROUGHOUT MAIN AND UPPER LEVELS	Sprayed on ceiling texture is a friable material, which is currently in good condition. It is important to keep it encapsulated with a high vehicular latex paint. Do not sand on, drill through, remove, or otherwise disturb material. Must be removed prior to renovation or demolition.

**Management Planner:** Tom Thompson - Accreditation Number: 135311

**Signature:** 

**Date:** August 28, 2012

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## SAMPLE ANALYSIS REPORT

**CLIENT:** CREEKSIDE ENVIRONMENTAL CONSULTING  
ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SOURCE:** 1800 8<sup>TH</sup> AVENUE,  
WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1274/12-418  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE COMPLETED:** 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
1	ASPHALT SHINGLE	ROOF	NONE DETECTED	40% CELLULOSE, VINYL, CALCITE, ADHESIVE
2	BLACK SHEET VINYL	ENTRY	NONE DETECTED	VINYL, CALCITE, ADHESIVE
3A	BROWN SHEET VINYL	TOP LAYER KITCHEN	NONE DETECTED	10% CELLULOSE, VINYL, CALCITE, ADHESIVE
3B	LEVELING COMPOUND	BOTTOM LAYER KITCHEN	NONE DETECTED	SAND, CEMENT
4	TAN SHEET VINYL	MASTER BATHROOM	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE
5A	SHEET VINYL	TOP LAYER HALLWAY BATHROOM	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE

**ANALYST:** 

DEVIATION FROM METHOD: NONE.

PERCENTAGES ARE ESTIMATES.

TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.

\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.

NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

**REVIEWED BY:** 

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## SAMPLE ANALYSIS REPORT

CLIENT: CREEKSIDE ENVIRONMENTAL CONSULTING

SOURCE: 1800 8<sup>TH</sup> AVENUE,  
WEST LINN, OREGON

ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

SAMPLED BY: TOM THOMPSON  
LAB #: X-1274/12-418  
ANALYZED BY: TOM THOMPSON

DATE SAMPLED: 08-15-12

DATE RECEIVED: 08-15-12

DATE COMPLETED: 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
5B	SHEET VINYL	BOTTOM LAYER HALLWAY BATHROOM	20% CHRYSOTILE	5% CELLULOSE, VINYL, CALCITE, ADHESIVE
6	FLOOR TILE AND MASTIC	BASEMENT HALLWAY	NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, ADHESIVE
7	FLOOR TILE AND MASTIC	LAUNDRY ROOM	NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, ADHESIVE
8	CEILING TILE	BASEMENT	NONE DETECTED	95% CELLULOSE, BINDER
9	GYPSUM WALLBOARD WITH APE AND MUD	BEDROOM	TRACE <1% CHRYSOTILE	15% CELLULOSE, CALCIUM SULFATE, CALCIUM CARBONATE, BINDER
10	SPRAYED ON CEILING TEXTURE	LIVING ROOM	4% CHRYSOTILE	CALCIUM CARBONATE, MICA, BINDER

ANALYST: 

DEVIATION FROM METHOD: NONE.

PERCENTAGES ARE ESTIMATES.

TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.

\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.

NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

REVIEWED BY: 

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## SAMPLE ANALYSIS REPORT

**CLIENT:** CREEKSIDE ENVIRONMENTAL CONSULTING  
ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SOURCE:** 1800 8<sup>TH</sup> AVENUE,  
WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1274/12-418  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE COMPLETED:** 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
11	SPRAYED ON CEILING TEXTURE	HALLWAY	4% CHRYSOTILE	CALCIUM CARBONATE, MICA, BINDER
12	SPRAYED ON CEILING TEXTURE	BEDROOM	4% CHRYSOTILE	CALCIUM CARBONATE, MICA, BINDER
13	COVE BASE MASTIC	KITCHEN	NONE DETECTED	SILICONE CEMENT
14	ORANGE PEEL TEXTURE	LIVING ROOM	NONE DETECTED	CALCIUM CARBONATE, BINDER
15	ORANGE PEEL TEXTURE	HALLWAY	NONE DETECTED	CALCIUM CARBONATE, BINDER
16	ORANGE PEEL TEXTURE	BEDROOM	NONE DETECTED	CALCIUM CARBONATE, BINDER

**ANALYST:** 

DEVIATION FROM METHOD: NONE.

PERCENTAGES ARE ESTIMATES.

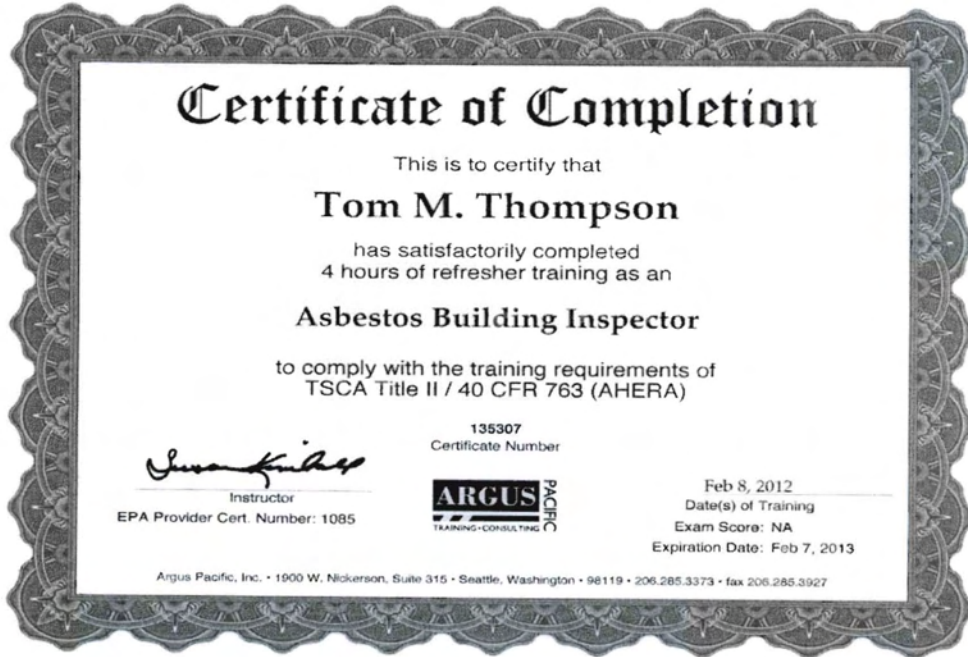
TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.

\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.

NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

**REVIEWED BY:** 





---

---

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

---

---

August 28, 2012

Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

Dear Mr. Jorgensen;

On August 15, 2012, three lead paint samples were collected from the exterior siding, exterior trim, and interior wall. The samples were collected at, 1800 8<sup>th</sup> Avenue, in West Linn, Oregon. The paint samples were collected by Tom Thompson; an EPA trained lead paint inspector and analyzed by EHS.

The samples were analyzed by flame Atomic Absorption spectrophotometry with sample results of 7,800 ppm (parts per million), 2,800 ppm (parts per million), and <140 ppm (parts per million), respectively. The current regulatory guidelines issued by HUD and EPA specify that paint containing more than 5000 ppm be considered lead paint.

OSHA's standard makes it absolutely clear that paint containing any lead falls into OSHA's guideline, 29 CFR 1926.62 "Lead For The Construction Industry" OAR 437, Division 3, where an employee may become occupationally exposed to lead. All construction work excluded in the general industry standard for lead is now covered by this standard. It includes the demolition or salvage of structures where lead or materials of lead are present.

If lead is present in your workplace in any quantity, the employer and/or owners' representative is required to make an initial determination of whether any employee's exposure to lead exceeds the action level of 30 micrograms per cubic meter of air averaged over an 8-hour day. Employee exposure is that exposure which would occur if the employee were not using a respirator.

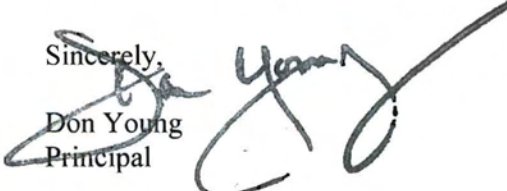
For residential lead projects involving paint that contains more than 5000 ppm (parts per million), a licensed lead abatement contractor certified by the Oregon Health Division must be used.

There are requirements for employee protection during the assessment for each specific task(s). For these tasks, employees must be protected as if exposed above the PEL (permissible exposure limit, greater than fifty micrograms per cubic meter of air, averaged over an eight-hour period).

When applicable, disposal requirements call for a Toxic Characteristic Leaching Procedure (TCLP) test to be done to profile the debris, as per 40 CFR 148, before any disposal can occur to determine if it is a hazardous waste as defined by the EPA.

We appreciate the opportunity to have worked with you on this project and look forward to serving your needs in the future. Please contact our offices, if you have any questions or if we can be of further assistance.

Sincerely,

  
Don Young  
Principal

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## LEAD PAINT ANALYSIS REPORT

**CLIENT:**

CREEKSIDE ENVIRONMENTAL  
CONSULTING  
MR. BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

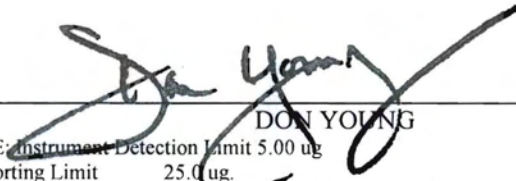
**SOURCE:** 1800 8<sup>TH</sup> AVENUE,  
IN WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1274  
**ANALYZED BY:** EHS

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE (COMP):** 08-17-12

PREPARATION METHOD: EPA 600/R-93/200 ANALYSIS METHOD: EPA SW846 7420

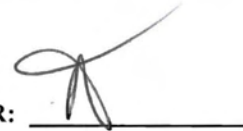
SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	LEAD CONCENTRATION PPM
1PB	PAINT	EXTERIOR SIDING	7,800
2PB	PAINT	EXTERIOR TRIM	2,800
3PB	PAINT	INTERIOR WALL	<140

REVIEWED BY: \_\_\_\_\_



DON YOUNG

LAB DIRECTOR: \_\_\_\_\_



NOTE: Instrument Detection Limit 5.00 ug  
Reporting Limit 25.0 ug.

Sample results denoted with a "less than" (<) sign contain less than 25.0 ug total lead, based on a 50 ml. sample volume.

The current regulatory guidelines issued by HUD and EPA specify that paint containing more than 5000 ppm be considered lead paint.

State of Oregon  
Oregon Health Authority

**Certified Environmental Consulting**

is certified by the Oregon Health Authority to conduct lead-based paint activities

Certification Number: **1036**

Date of Issuance: **7/6/2011**

Control Number: **002394**

Date of Expiration: **6/30/2012**



Oregon  
**Health**  
Authority

---

---

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**

---

---

August 28, 2012

Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

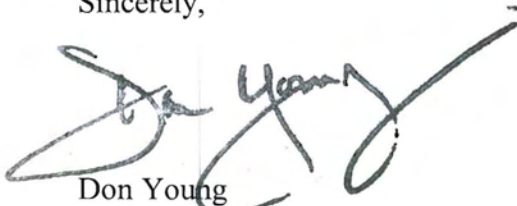
Dear Mr. Jorgensen,

On August 15, 2012, a TCLP sample was taken to determine lead content of various building materials collected from throughout the building. The sample was collected at, 1800 8<sup>th</sup> Avenue, in West Linn, Oregon. The sample were collected by Tom Thompson, an EPA trained lead inspector and analyzed by Apex Laboratories.

The sample was analyzed according to the TCLP (Toxic Characteristic Leaching Procedure) protocol. TCLP testing evaluates the potential of lead to leach out and contaminate the soil and water. According to Federal and State regulations, CFR 261.24 and Oregon rule OAR 340-101, any test result higher than 5 milligrams per liter indicates the item is to be considered a hazardous waste. Representative testing results for this site is no lead detected (none detected), therefore according to Oregon rule; this material may be accepted at any construction/demolition debris landfill.

We appreciate the opportunity to have worked with you on this project and look forward to serving your needs in the future. If there are any questions or concerns, please contact our office.

Sincerely,



Don Young  
Principal

DY/ah

**Lead TCLP Analysis Report**

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1800 8<sup>th</sup> Avenue, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1274/12-418  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

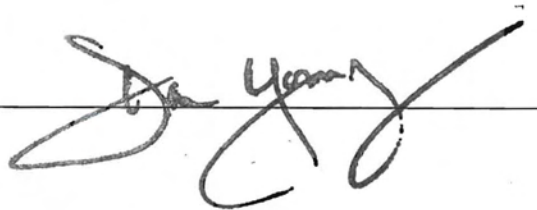
**Client Sample ID/Lab Sample ID:** 1 (A12H275-01)  
**Sample Material:** Various Building Materials  
**Sample Location:** Throughout the Building  
**Date Sampled:** 08-15-12  
**Date Received:** 08-15-12  
**Date (Comp):** 08-26-12

**Analytical Method: TCLP Metals by EPA 6020 (ICPMS)**

Analyte	Result	MDL	Reporting Limit	Units	Dil	Analyzed	Method
Lead	ND	---	0.0500	mg/L	5	08/23/12	EPA 1311/6020

ND-None Detected  
mg/kg = ppm (parts per million)

Reviewed By: \_\_\_\_\_



# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## Lead TCLP Analysis Report

### Quality Control (QC) Sample Results

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1800 8<sup>th</sup> Avenue, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1274/12-418  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

**Lab Sample ID:** Blank (1208488-BLK1)  
**Date Sampled:** N/A  
**Date Received:** N/A  
**Date (Comp):** 08-26-12  
**Batch** 1208488-EPA 1311/3015

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	ND	---	0.0500	mg/L	5	---	---	---	---	---	---	TCLP

**Lab Sample ID:** LCS (1208488-BS1)  
**Date Prepared:** 08-23-12  
**Date Analyzed:** 08-23-12  
**Date (Comp):** 08-26-12

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.44	---	0.0500	mg/L	5	2.50	---	97	80-120%	---	---	TCLP

**Lab Sample ID:** Matrix Spike (1208488-MS4)  
**QC Source Sample 1** (A12H275-01)  
**Date Prepared:** 08-23-12  
**Date Analyzed:** 08-23-12  
**Date (Comp):** 08-26-12

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.37	---	0.0500	mg/L	5	2.50	ND	95	50-150%	---	---	

**Lead TCLP Analysis Report**

**Sample Preparation Information**

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1800 8<sup>th</sup> Avenue, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1274/12-418  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

**Prep:** EPA 1311/3015  
**Batch:** 1208488  
**Date (Comp):** 08-26-12

**Analytical Method: TCLP Metals by EPA 6020 (ICP-AES)**

<b>Lab Number</b>	<b>Matrix</b>	<b>Method</b>	<b>Sampled</b>	<b>Prepared</b>	<b>Sample Initial/Final</b>	<b>Default Initial/Final</b>	<b>RL Prep Factor</b>
A12H275-01	Solid	EPA 1311/6020	08/15/12	08/23/12	5mL/50mL	5mL/50mL	1.00



**Notes and definitions**

Qualifiers:

TCLP -This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 1208464.

Notes and Conventions:

DET- Analyte DETECTED

ND -Analyte NOT DETECTED at or above the reporting limit

NR Not reported

dry -Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.

RPD -Relative Percent Difference.

MDL- If MDL is not listed, data has been evaluated to the Method Reporting Limit only.

WMSC-WaterMiscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.

Batch QC- Unless specifically stated, all analyses include full batch QC, including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates, in order to meet or exceed method and regulatory requirements. This report contains only results for Batch QC derived from samples included in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spike, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.

Blank Policy-Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.

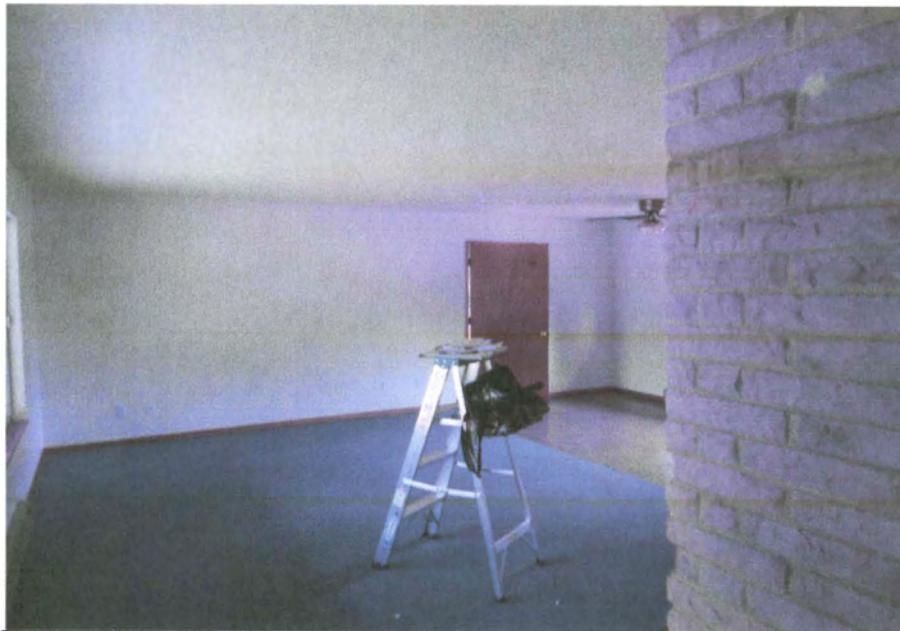
--- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

\*\*\*-Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND)

**Photographic Log**



1. Front view of 1800 8<sup>th</sup> Avenue,  
West Linn, Oregon



2. Main floor of house.

**Photographic Log**



3. Bedroom/restroom area of house.



4. Basement area of house.

**ASBESTOS SURVEY**  
**WITH**  
**LEAD PAINT REPORT**  
**AND**  
**LEAD TCLP REPORT**

For the house located at:

**1819 13<sup>TH</sup> STREET**  
**WEST LINN, OREGON**

Prepared for:  
Creekside Environmental Consulting

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**  
**615 SE CHKALOV DRIVE SUITE 12**  
**VANCOUVER, WASHINGTON 98683-5280**

**Prepared by:**  
**Tom Thompson**

**EXECUTIVE SUMMARY**

Dear Mr. Jorgensen;

Enclosed are the results of the asbestos survey, lead paint report, and lead TCLP report conducted by C.E.C., Inc. for the house located at, 1819 13<sup>th</sup> Street, in West Linn, Oregon. This survey was coordinated with you and conducted on August 15, 2012, by Tom Thompson, an AHERA certified inspector.

All samples were taken in a random manner as required by EPA AHERA rules and analyzed using polarized light microscopy with dispersion staining according to EPA and OR-OSHA Methodology.

**Asbestos was identified in the floor tile and troweled on ceiling texture (please see sample data sheets attached).**

The following survey is divided into the following sections:

- ◇ Summary sheet - details the type and construction of the building with approximate amounts of asbestos in the building.
- ◇ Sample result sheet - contains sample numbers and results, description of materials and homogeneous areas of material.
- ◇ Assessment of materials - contains an assessment of asbestos materials.
- ◇ Response actions recommended - contains the response actions we recommend.
- ◇ Laboratory analysis sheet - contains the results of our laboratory analysis.
- ◇ Inspector's certifications.
- ◇ Lead paint report.
- ◇ Firm certification.
- ◇ Lead TCLP report.
- ◇ Photographic log.

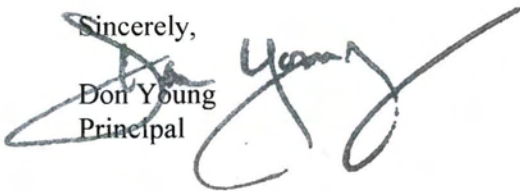
C.E.C. has investigated accessible areas of this facility in locating suspect ACM. The current extent and condition of the ACM was detected through on-site observation and physical determination.

NOTE: This asbestos survey report is available to Creekside Environmental Consulting, and not to be reproduced in total or part without written consent of Creekside Environmental Consulting.

We appreciate the opportunity to have worked with you. If you have any questions or if we can be of any further service, please contact our office.

Sincerely,

Don Young  
Principal



---

---

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

---

---

## SUMMARY SHEET

**Owner or Representative:** Brent Jorgensen

**Address:** 1819 13<sup>th</sup> Street

**City:** West Linn      **State:** Oregon

**Owner's Representative:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Owner/Rep. Telephone Number:** (503) 692-8118

**Surveyed by:** Tom Thompson - Accreditation Number: 135307

### CONSTRUCTION DATA:

**Year Built:** Approx: 1960's      **Size:** Approx. 1,020 SQ FT

**Construction Type:** Wood

**Roof Construction:** Asphalt Shingle

**Heating System:** Furnace

**Attic Insulation:** Fiberglass

**Pipe Insulation:** Non-insulated

**SUMMARY DATA**

**1819 13<sup>TH</sup> STREET, WEST LINN, OREGON**

PRODUCT	AMOUNT	FRIABLE	CONDITION	SAMPLE #	RESULTS
FLOOR TILE	APPROX. 800 SQ FT	YES	GOOD	2, 3, 4A	<b>2% TO 3% CHRYSOTILE</b>
TROWELED ON CEILING TEXTURE	APPROX. 700 SQ FT	YES	GOOD	7, 8, 9	<b>3% CHRYSOTILE</b>

**SAMPLE RESULTS**

**1819 13<sup>TH</sup> STREET, WEST LINN, OREGON**

SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	HOMOGENEOUS AREA	ASBESTOS CONTENT
1	ASPHALT SHINGLE	ROOF	ENTIRE ROOF	NONE DETECTED
2	FLOOR TILE AND MASTIC	UNDER CARPET BASEMENT BEDROOM		<b>FLOOR TILE:</b> <b>3% CHRYSOTILE</b> MASTIC: NONE DETECTED
3	FLOOR TILE AND MASTIC	BASEMENT BEDROOM		<b>FLOOR TILE:</b> <b>2% CHRYSOTILE</b> MASTIC: NONE DETECTED
4A	FLOOR TILE AND MASTIC	BASEMENT KITCHEN	SELECTIVE THROUGHOUT	<b>FLOOR TILE:</b> <b>3% CHRYSOTILE</b> MASTIC: NONE DETECTED
4B	FLOOR TILE AND MASTIC	TOP LAYER BASEMENT BATHROOM		NONE DETECTED
4C	FLOOR TILE AND MASTIC	BOTTOM LAYER BASEMENT BATHROOM		NONE DETECTED
5	CEILING TILE	BASEMENT		NONE DETECTED
6	SHEET VINYL	HALLWAY BATHROOM		NONE DETECTED
7	TROWELED ON CEILING TEXTURE	LIVING ROOM	BEDROOM, HALLWAY	<b>3% CHRYSOTILE</b>



**SAMPLE RESULTS**

**1819 13<sup>TH</sup> STREET, WEST LINN, OREGON**

SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	HOMOGENEOUS AREA	ASBESTOS CONTENT
8	TROWELED ON CEILING TEXTURE	BEDROOM	LIVING ROOM, HALLWAY	3% <b>CHRYSOTILE</b>
9	TROWELED ON CEILING TEXTURE	BEDROOM	LIVING ROOM, HALLWAY	3% <b>CHRYSOTILE</b>
10	GYPSUM WALLBOARD WITH TAPE AND MUD	LIVING ROOM	THROUGHOUT	NONE DETECTED
11	ORANGE PEEL TEXTURE	LIVING ROOM	HALLWAY, BEDROOM	NONE DETECTED
12	ORANGE PEEL TEXTURE	HALLWAY	LIVING ROOM, BEDROOM	NONE DETECTED
13	ORANGE PEEL TEXTURE	BEDROOM	LIVING ROOM, HALLWAY	NONE DETECTED
14	SHEET VINYL	UNDER CERAMIC TILE KITCHEN		NONE DETECTED
15	TROWELED ON CEILING TEXTURE	GARAGE		NONE DETECTED
16	COVE BASE MASTIC	HALLWAY BATHROOM		NONE DETECTED

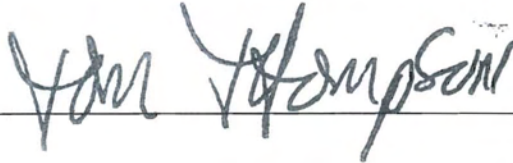
**ASSESSMENT OF MATERIALS**

Building: **1819 13<sup>TH</sup> STREET, WEST LINN, OREGON**

Sample #s	Functional Space	Asbestos Type	%	Material And Condition	Comments	Sq. Ft. And/Or Linear Footage
2, 3, 4A	UNDER CARPET BASEMENT BEDROOM, BASEMENT BEDROOM, BASEMENT KITCHEN, SELECTIVE THROUGHOUT BASEMENT	CHRYSTILE	2% TO 3%	FLOOR TILE (GOOD)	SEE RESPONSE ACTIONS	APPROX. 800 SQ FT
7, 8, 9	LIVING ROOM, HALLWAY, BEDROOMS	CHRYSTILE	3%	TROWELED ON CEILING TEXTURE (GOOD)	SEE RESPONSE ACTIONS	APPROX. 700 SQ FT

**Inspector:** Tom Thompson - Accreditation Number: 135307

**Signature:** \_\_\_\_\_



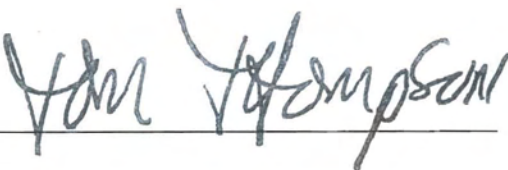
**Date:** August 30, 2012

**RESPONSE ACTIONS RECOMMENDED**

Building: **1819 13<sup>TH</sup> STREET, WEST LINN, OREGON**

MATERIAL	LOCATION	RECOMMENDED RESPONSE ACTIONS
FLOOR TILE	UNDER CARPET BASEMENT BEDROOM, BASEMENT BEDROOM, BASEMENT KITCHEN, SELECTIVE THROUGHOUT BASEMENT	Floor tile is a non-friable material currently in good condition and poses no health hazards in its present state. Do not drill through, sand on, tear, remove, or otherwise disturb material. Must be removed prior to renovation or demolition.
TROWELED ON CEILING TEXTURE	LIVING ROOM, HALLWAY, BEDROOMS	Troweled on ceiling texture is a friable material, which is currently in good condition and poses no health risk in its current state. Do not sand on, drill through, remove, or otherwise disturb material. Must be removed prior to renovation or demolition.

**Management Planner:** Tom Thompson - Accreditation Number: 135311

**Signature:** 

**Date:** August 30, 2012

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**

**SAMPLE ANALYSIS REPORT**

**CLIENT:** CREEKSIDE ENVIRONMENTAL CONSULTING

**SOURCE:** 1819 13<sup>TH</sup> STREET,  
WEST LINN, OREGON

ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1274/12-418  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12

**DATE RECEIVED:** 08-15-12

**DATE COMPLETED:** 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
1	ASPHALT SHINGLE	ROOF	NONE DETECTED	30% FIBERGLASS, TAR, AGGREGATE
2	FLOOR TILE AND MASTIC	UNDER CARPET BASEMENT BEDROOM	<b>FLOOR TILE:</b> 3% <b>CHRYSOTILE</b> <b>MASTIC:</b> NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, ADHESIVE
3	FLOOR TILE AND MASTIC	BASEMENT BEDROOM	<b>FLOOR TILE:</b> 2% <b>CHRYSOTILE</b> <b>MASTIC:</b> NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, ADHESIVE
4A	FLOOR TILE AND MASTIC	BASEMENT KITCHEN	<b>FLOOR TILE:</b> 3% <b>CHRYSOTILE</b> <b>MASTIC:</b> NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, ADHESIVE
4B	FLOOR TILE AND MASTIC	TOP LAYER BASEMENT BATHROOM	NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, ADHESIVE
4C	FLOOR TILE AND MASTIC	BOTTOM LAYER BASEMENT BATHROOM	NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, ADHESIVE

**ANALYST:** 

DEVIATION FROM METHOD: NONE.

PERCENTAGES ARE ESTIMATES.

TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.

\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.

NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

**REVIEWED BY:** 

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## SAMPLE ANALYSIS REPORT

**CLIENT:** CREEKSIDE ENVIRONMENTAL CONSULTING  
ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SOURCE:** 1819 13<sup>TH</sup> STREET,  
WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1274/12-418  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE COMPLETED:** 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
5	CEILING TILE	BASEMENT	NONE DETECTED	95% CELLULOSE, BINDER, PAINT
6	SHEET VINYL	HALLWAY BATHROOM	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE
7	TROWELED ON CEILING TEXTURE	LIVING ROOM	3% CHRYSOTILE	CALCIUM CARBONATE, BINDER
8	TROWELED ON CEILING TEXTURE	BEDROOM	3% CHRYSOTILE	CALCIUM CARBONATE, BINDER
9	TROWELED ON CEILING TEXTURE	BEDROOM	3% CHRYSOTILE	CALCIUM CARBONATE, BINDER
10	GYPSUM WALLBOARD WITH TAPE AND MUD	LIVING ROOM	NONE DETECTED	15% CELLULOSE, CALCIUM SULFATE, CALCIUM CARBONATE, BINDER

**ANALYST:** 

DEVIATION FROM METHOD: NONE.  
PERCENTAGES ARE ESTIMATES.  
TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.  
\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.  
NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

**REVIEWED BY:** 

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## SAMPLE ANALYSIS REPORT

**CLIENT:** CREEKSID ENVIRONMENTAL CONSULTING  
ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SOURCE:** 1819 13<sup>TH</sup> STREET,  
WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1274/12-418  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE COMPLETED:** 08-17-12

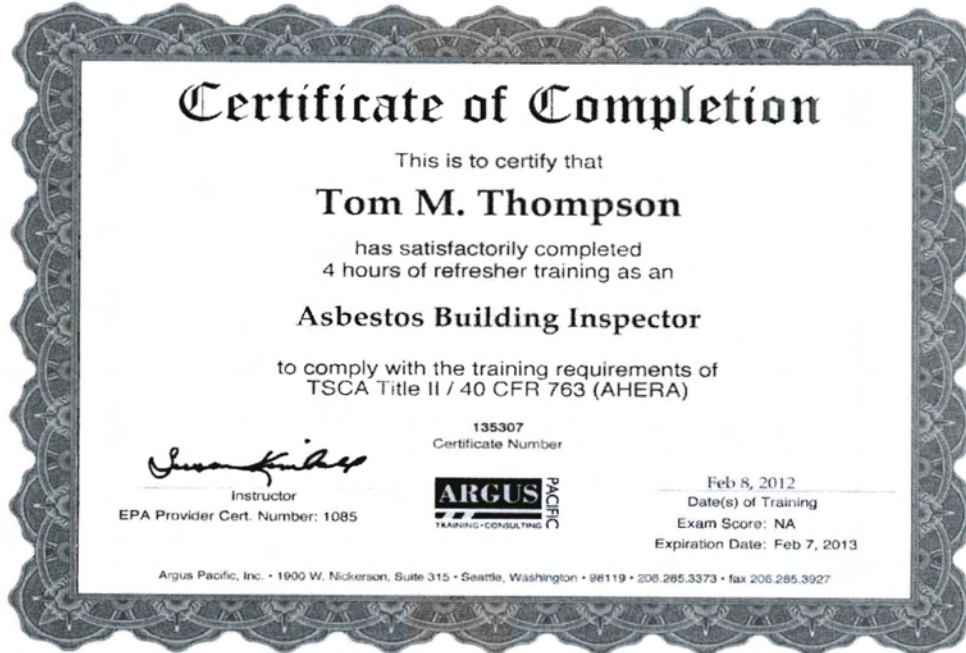
ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
11	ORANGE PEEL TEXTURE	LIVING ROOM	NONE DETECTED	CALCIUM CARBONATE, BINDER
12	ORANGE PEEL TEXTURE	HALLWAY	NONE DETECTED	CALCIUM CARBONATE, BINDER
13	ORANGE PEEL TEXTURE	BEDROOM	NONE DETECTED	CALCIUM CARBONATE, BINDER
14	SHEET VINYL	UNDER CERAMIC TILE KITCHEN	NONE DETECTED	25% CELLULOSE, VINYL, CALCITE, ADHESIVE
15	TROWELED ON CEILING TEXTURE	GARAGE	NONE DETECTED	CALCIUM CARBONATE, BINDER
16	COVE BASE MASTIC	HALLWAY BATHROOM	NONE DETECTED	SILICONE CEMENT

**ANALYST:** 

DEVIATION FROM METHOD: NONE.  
PERCENTAGES ARE ESTIMATES.  
TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.  
\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.  
NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

**REVIEWED BY:** 



# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

---

August 30, 2012

Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

Dear Mr. Jorgensen;

On August 15, 2012, three lead paint samples were collected from the exterior siding, exterior trim, and interior wall. The samples were collected at, 1819 13<sup>th</sup> Street, in West Linn, Oregon. The paint samples were collected by Tom Thompson; an EPA trained lead paint inspector and analyzed by EHS.

The samples were analyzed by flame Atomic Absorption spectrophotometry with sample results of <150 ppm (parts per million), <160 ppm (parts per million), and <99 ppm (parts per million), respectively. The current regulatory guidelines issued by HUD and EPA specify that paint containing more than 5000 ppm be considered lead paint.

OSHA's standard makes it absolutely clear that paint containing any lead falls into OSHA's guideline, 29 CFR 1926.62 "Lead For The Construction Industry" OAR 437, Division 3, where an employee may become occupationally exposed to lead. All construction work excluded in the general industry standard for lead is now covered by this standard. It includes the demolition or salvage of structures where lead or materials of lead are present.

If lead is present in your workplace in any quantity, the employer and/or owners' representative is required to make an initial determination of whether any employee's exposure to lead exceeds the action level of 30 micrograms per cubic meter of air averaged over an 8-hour day. Employee exposure is that exposure which would occur if the employee were not using a respirator.

For residential lead projects involving paint that contains more than 5000 ppm (parts per million), a licensed lead abatement contractor certified by the Oregon Health Division must be used.

There are requirements for employee protection during the assessment for each specific task(s). For these tasks, employees must be protected as if exposed above the PEL (permissible exposure limit, greater than fifty micrograms per cubic meter of air, averaged over an eight-hour period).

When applicable, disposal requirements call for a Toxic Characteristic Leaching Procedure (TCLP) test to be done to profile the debris, as per 40 CFR 148, before any disposal can occur to determine if it is a hazardous waste as defined by the EPA.

We appreciate the opportunity to have worked with you on this project and look forward to serving your needs in the future. Please contact our offices, if you have any questions or if we can be of further assistance.

Sincerely,

  
Don Young  
Principal

13



# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## LEAD PAINT ANALYSIS REPORT

**CLIENT:**

CREEKSIDE ENVIRONMENTAL  
CONSULTING  
MR. BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SOURCE:** 1819 13<sup>TH</sup> STREET,  
IN WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1275  
**ANALYZED BY:** EHS

**DATE SAMPLED:** 08-15-12

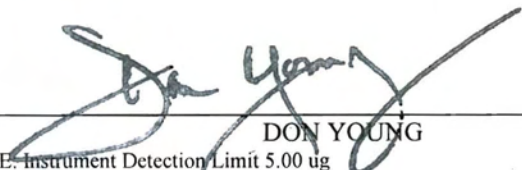
**DATE RECEIVED:** 08-15-12

**DATE (COMP):** 08-17-12

PREPARATION METHOD: EPA 600/R-93/200 ANALYSIS METHOD: EPA SW846 7420

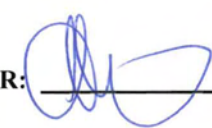
SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	LEAD CONCENTRATION PPM
1PB	PAINT	EXTERIOR SIDING	<150
2PB	PAINT	EXTERIOR TRIM	<160
3PB	PAINT	INTERIOR WALL	<99

REVIEWED BY: \_\_\_\_\_



DON YOUNG

LAB DIRECTOR: \_\_\_\_\_



NOTE: Instrument Detection Limit 5.00 ug  
Reporting Limit 25.0 ug.

Sample results denoted with a "less than" (<) sign contain less than 25.0 ug total lead, based on a 50 ml. sample volume.

The current regulatory guidelines issued by HUD and EPA specify that paint containing more than 5000 ppm be considered lead paint.

State of Oregon  
Oregon Health Authority

**Certified Environmental Consulting**

is certified by the Oregon Health Authority to conduct lead-based paint activities

Certification Number: **1036**  
Control Number: **002394**

Date of Issuance: **7/6/2011**  
Date of Expiration: **6/30/2012**



Oregon  
**Health**  
Authority

---

---

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**

---

---

August 30, 2012

Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

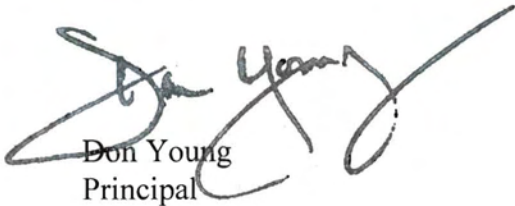
Dear Mr. Jorgensen,

On August 15, 2012, a TCLP sample was taken to determine lead content of various building materials collected from throughout the building. The sample was collected at, 1819 13<sup>th</sup> Street, in West Linn, Oregon. The sample were collected by Tom Thompson, an EPA trained lead inspector and analyzed by Apex Laboratories.

The sample was analyzed according to the TCLP (Toxic Characteristic Leaching Procedure) protocol. TCLP testing evaluates the potential of lead to leach out and contaminate the soil and water. According to Federal and State regulations, CFR 261.24 and Oregon rule OAR 340-101, any test result higher than 5 milligrams per liter indicates the item is to be considered a hazardous waste. Representative testing results for this site is no lead detected (none detected), therefore according to Oregon rule; this material may be accepted at any construction/demolition debris landfill.

We appreciate the opportunity to have worked with you on this project and look forward to serving your needs in the future. If there are any questions or concerns, please contact our office.

Sincerely,



Don Young  
Principal

DY/ah

---

---

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

---

---

## Lead TCLP Analysis Report

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1819 13<sup>th</sup> Street, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1275/12-419  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

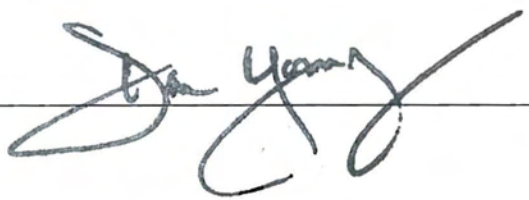
**Client Sample ID/Lab Sample ID:** 1 (A12H272-01)  
**Sample Material:** Various Building Materials  
**Sample Location:** Throughout the Building  
**Date Sampled:** 08-15-12  
**Date Received:** 08-15-12  
**Date (Comp):** 08-26-12

### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Analyzed	Method
Lead	ND	---	0.0500	mg/L	5	08/23/12	EPA 1311/6020

ND-None Detected  
mg/kg = ppm (parts per million)

Reviewed By: \_\_\_\_\_



---

---

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

---

---

## Lead TCLP Analysis Report

### Quality Control (QC) Sample Results

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1819 13<sup>th</sup> Street, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1275/12-419  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

**Lab Sample ID:** Blank (1208491-BLK1)  
**Date Sampled:** N/A  
**Date Received:** N/A  
**Date (Comp):** 08-26-12  
**Batch** 1208491-EPA 1311/3015

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	ND	---	0.0500	mg/L	5	---	---	---	---	---	---	TCLP

**Lab Sample ID:** LCS (1208491-BS1)  
**Date Prepared:** 08-23-12  
**Date Analyzed:** 08-23-12  
**Date (Comp):** 08-26-12

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.53	---	0.0500	mg/L	5	2.50	---	101	80-120%	---	---	TCLP

**Lead TCLP Analysis Report**

**Sample Preparation Information**

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1819 13<sup>th</sup> Street, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1275/12-419  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

**Prep:** EPA 1311/3015  
**Batch:** 1208491  
**Date (Comp):** 08-26-12

**Analytical Method: TCLP Metals by EPA 6020 (ICP-AES)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A12H272-01	Solid	EPA 1311/6020	08/15/12	08/23/12	5mL/50mL	5mL/50mL	1.00

**Notes and definitions**

Qualifiers:

TCLP -This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 1208475

Notes and Conventions:

DET- Analyte DETECTED

ND -Analyte NOT DETECTED at or above the reporting limit

NR Not reported

dry -Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.

RPD -Relative Percent Difference.

MDL- If MDL is not listed, data has been evaluated to the Method Reporting Limit only.

WMSC-WaterMiscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.

Batch QC- Unless specifically stated, all analyses include full batch QC, including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates, in order to meet or exceed method and regulatory requirements. This report contains only results for Batch QC derived from samples included in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spike, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis. Blank Policy-Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses

--- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

\*\*\*-Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND)

**Photographic Log**



1. Front view of 1819 13<sup>th</sup> Street,  
West Linn, Oregon



2. Main floor of house.



**Photographic Log**



3. Stairway to basement.

**ASBESTOS SURVEY**  
**WITH**  
**LEAD PAINT REPORT**  
**AND**  
**LEAD TCLP REPORT**

For the house located at:

**1849 13<sup>TH</sup> STREET**  
**WEST LINN, OREGON**

Prepared for:  
Creekside Environmental Consulting

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**  
**615 SE CHKALOV DRIVE SUITE 12**  
**VANCOUVER, WASHINGTON 98683-5280**

Prepared by:  
Tom Thompson

**EXECUTIVE SUMMARY**

Dear Mr. Jorgensen;

Enclosed are the results of the asbestos survey, lead paint report, and lead TCLP report conducted by C.E.C., Inc. for the house located at, 1849 13<sup>th</sup> Street, in West Linn, Oregon. This survey was coordinated with you and conducted on August 15, 2012, by Tom Thompson, an AHERA certified inspector.

All samples were taken in a random manner as required by EPA AHERA rules and analyzed using polarized light microscopy with dispersion staining according to EPA and OR-OSHA Methodology.

**Asbestos was identified in the troweled on ceiling texture, sheet vinyl, and cove base mastic (please see sample data sheets attached).**

The following survey is divided into the following sections:

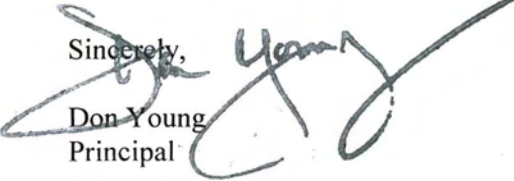
- ◇ Summary sheet - details the type and construction of the building with approximate amounts of asbestos in the building.
- ◇ Sample result sheet - contains sample numbers and results, description of materials and homogeneous areas of material.
- ◇ Assessment of materials - contains an assessment of asbestos materials.
- ◇ Response actions recommended - contains the response actions we recommend.
- ◇ Laboratory analysis sheet - contains the results of our laboratory analysis.
- ◇ Inspector's certifications.
- ◇ Lead paint report.
- ◇ Firm certification.
- ◇ Lead TCLP report.
- ◇ Photographic log.

C.E.C. has investigated accessible areas of this facility in locating suspect ACM. The current extent and condition of the ACM was detected through on-site observation and physical determination.

NOTE: This asbestos survey report is available to Creekside Environmental Consulting, and not to be reproduced in total or part without written consent of Creekside Environmental Consulting.

We appreciate the opportunity to have worked with you. If you have any questions or if we can be of any further service, please contact our office.

Sincerely,

  
Don Young  
Principal

**SUMMARY SHEET**

**Owner or Representative:** Brent Jorgensen

**Address:** 1849 13<sup>th</sup> Street

**City:** West Linn      **State:** Oregon

**Owner's Representative:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Owner/Rep. Telephone Number:** (503) 692-8118

**Surveyed by:** Tom Thompson - Accreditation Number: 135307

**CONSTRUCTION DATA:**

**Year Built:** Approx: 1960's      **Size:** Approx. 1,656 SQ FT

**Construction Type:** Wood

**Roof Construction:** Asphalt Shingle, Metal

**Heating System:** Furnace

**Attic Insulation:** Fiberglass

**Pipe Insulation:** Non-insulated

**SUMMARY DATA**

**1849 13<sup>TH</sup> STREET, WEST LINN, OREGON**

PRODUCT	AMOUNT	FRIABLE	CONDITION	SAMPLE #	RESULTS
TROWELED ON CEILING TEXTURE	APPROX. 1600 SQ FT	YES	GOOD	2, 4, 5, 6	<b>2% TO 3% CHRYBOTILE</b>
SHEET VINYL	APPROX. 13 SQ FT	YES	GOOD	9B	<b>20% CHRYBOTILE</b>
COVE BASE MASTIC	APPROX. 40 LF	YES	GOOD	14	<b>3% ANTHOPHYLLITE</b>

**SAMPLE RESULTS**

**1849 13<sup>TH</sup> STREET, WEST LINN, OREGON**

SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	HOMOGENEOUS AREA	ASBESTOS CONTENT
1	ASPHALT SHINGLE	ROOF	ENTIRE ROOF	NONE DETECTED
2	TROWELED ON CEILING TEXTURE	GARAGE	LIVING ROOM, HALLWAY, BEDROOM, SELECTIVE THROUGHOUT	2% <b>CHRYSOTILE</b>
3	GYPNUM WALLBOARD WITH TAPE AND MUD	GARAGE	THROUGHOUT	NONE DETECTED
4	TROWELED ON CEILING TEXTURE	LIVING ROOM	GARAGE, HALLWAY, BEDROOM, THROUGHOUT	3% <b>CHRYSOTILE</b>
5	TROWELED ON CEILING TEXTURE	HALLWAY	LIVING ROOM, GARAGE, BEDROOM, SELECTIVE THROUGHOUT	3% <b>CHRYSOTILE</b>
6	TROWELED ON CEILING TEXTURE	BEDROOM	LIVING ROOM, GARAGE, HALLWAY, SELECTIVE THROUGHOUT	3% <b>CHRYSOTILE</b>
7A	SHEET VINYL	TOP LAYER MASTER BATHROOM		NONE DETECTED
7B	SHEET VINYL	BOTTOM LAYER MASTER BATHROOM		NONE DETECTED
8	SHEET VINYL	HALLWAY BATHROOM		NONE DETECTED
9A	SHEET VINYL	TOP LAYER ENTRY		NONE DETECTED
9B	SHEET VINYL	BOTTOM LAYER ENTRY		20% <b>CHRYSOTILE</b>

**SAMPLE RESULTS**

**1849 13<sup>TH</sup> STREET, WEST LINN, OREGON**

SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	HOMOGENEOUS AREA	ASBESTOS CONTENT
10A	SHEET VINYL	TOP LAYER KITCHEN	TOP LAYER DINING ROOM	NONE DETECTED
10B	SHEET VINYL	SECOND LAYER KITCHEN	SECOND LAYER DINING ROOM	NONE DETECTED
10C	SHEET VINYL	BOTTOM LAYER KITCHEN	BOTTOM LAYER DINING ROOM	NONE DETECTED
11	FLOOR TILE AND MASTIC	BASEMENT CLOSET	AS SECOND LAYER OR UNDER CARPET THROUGHOUT BASEMENT	NONE DETECTED
12	SHEET VINYL	TOP LAYER FAMILY ROOM		NONE DETECTED
13	SHEET VINYL	TOP LAYER LAUNDRY ROOM	TOP LAYER BASEMENT BATHROOM	NONE DETECTED
14	COVE BASE MASTIC	FAMILY ROOM		<b>3% ANTHOPHYLLITE</b>
15	COVE BASE MASTIC	KITCHEN	BATHROOMS	NONE DETECTED
16	ORANGE PEEL TEXTURE	LIVING ROOM	HALLWAY, BEDROOM, THROUGHOUT	NONE DETECTED
17	ORANGE PEEL TEXTURE	HALLWAY	LIVING ROOM, BEDROOM, THROUGHOUT	NONE DETECTED
18	ORANGE PEEL TEXTURE	BEDROOM	LIVING ROOM, HALLWAY, THROUGHOUT	NONE DETECTED

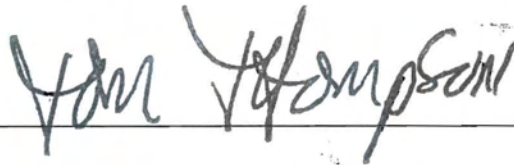
**ASSESSMENT OF MATERIALS**

Building: **1849 13<sup>TH</sup> STREET, WEST LINN, OREGON**

Sample #s	Functional Space	Asbestos Type	%	Material And Condition	Comments	Sq. Ft. And/Or Linear Footage
2, 4, 5, 6	GARAGE, LIVING ROOM, HALLWAY, BEDROOM, SELECTIVE THROUGHOUT	CHRYBOTILE	2% TO 3%	TROWELED ON CEILING TEXTURE (GOOD)	SEE RESPONSE ACTIONS	APPROX. 1,600 SQ FT
9B	BOTTOM LAYER ENTRY	CHRYBOTILE	20%	SHEET VINYL (GOOD)	SEE RESPONSE ACTIONS	APPROX. 13 SQ FT
14	FAMILY ROOM	ANTHOPHYLLITE	3%	COVE BASE MASTIC (GOOD)	SEE RESPONSE ACTIONS	APPROX. 40 LF

**Inspector:** Tom Thompson - Accreditation Number: 135307

**Signature:** \_\_\_\_\_



**Date:** August 30, 2012

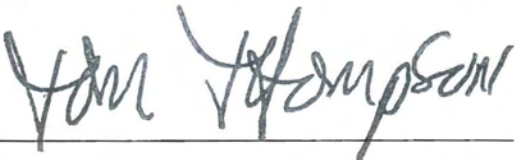


**RESPONSE ACTIONS RECOMMENDED**

Building: 1849 13<sup>TH</sup> STREET, WEST LINN, OREGON

MATERIAL	LOCATION	RECOMMENDED RESPONSE ACTIONS
TROWELED ON CEILING TEXTURE	GARAGE, LIVING ROOM, HALLWAY, BEDROOM, SELECTIVE THROUGHOUT	Troweled on ceiling texture is a friable material, which is currently in good condition and poses no health risk in its current state. Do not sand on, drill through, remove, or otherwise disturb material. Must be removed prior to renovation or demolition.
SHEET VINYL	BOTTOM LAYER ENTRY	Sheet vinyl is a friable material currently in good condition and poses no health hazards in its present state. Do not drill through, sand on, tear, remove, or otherwise disturb material. Must be removed prior to renovation or demolition.
COVE BASE MASTIC	FAMILY ROOM	Cove base mastic is a friable material currently in good condition and poses no health hazards in its present state. Non-asbestos cove base with asbestos containing mastic must be assumed to be contaminated. Must be maintained in an intact condition. Must be removed prior to renovation or demolition.

**Management Planner:** Tom Thompson - Accreditation Number: 135311

**Signature:** 

**Date:** August 30, 2012

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**

**SAMPLE ANALYSIS REPORT**

**CLIENT:** CREEKSIDE ENVIRONMENTAL CONSULTING

**SOURCE:** 1849 13<sup>TH</sup> STREET,  
WEST LINN, OREGON

ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1276/12-420  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12

**DATE RECEIVED:** 08-15-12

**DATE COMPLETED:** 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
1	ASPHALT SHINGLE	ROOF	NONE DETECTED	30% FIBERGLASS, TAR, AGGREGATE
2	TROWELED ON CEILING TEXTURE	GARAGE	2% CHRYSOTILE	CALCIUM CARBONATE, BINDER
3	GYPSUM WALLBOARD WITH TAPE AND MUD	GARAGE	NONE DETECTED	15% CELLULOSE, CALCIUM SULFATE, CALCIUM CARBONATE, BINDER
4	TROWELED ON CEILING TEXTURE	LIVING ROOM	3% CHRYSOTILE	CALCIUM CARBONATE, BINDER
5	TROWELED ON CEILING TEXTURE	HALLWAY	3% CHRYSOTILE	CALCIUM CARBONATE, BINDER
6	TROWELED ON CEILING TEXTURE	BEDROOM	3% CHRYSOTILE	CALCIUM CARBONATE, BINDER

**ANALYST:** 

DEVIATION FROM METHOD: NONE.

PERCENTAGES ARE ESTIMATES.

TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.

\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.

NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

**REVIEWED BY:** 

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**

---

---

**SAMPLE ANALYSIS REPORT**

**CLIENT:** CREEKSIDE ENVIRONMENTAL CONSULTING  
ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

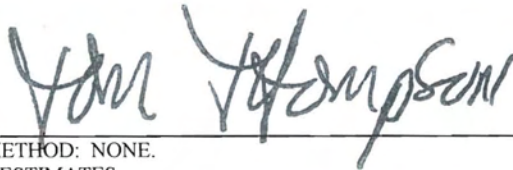
**SOURCE:** 1849 13<sup>TH</sup> STREET,  
WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1276/12-420  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE COMPLETED:** 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
7A	SHEET VINYL	TOP LAYER MASTER BATHROOM	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE
7B	SHEET VINYL	BOTTOM LAYER MASTER BATHROOM	NONE DETECTED	25% CELLULOSE, VINYL, CALCITE, ADHESIVE
8	SHEET VINYL	HALLWAY BATHROOM	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE
9A	SHEET VINYL	TOP LAYER ENTRY	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE
9B	SHEET VINYL	BOTTOM LAYER ENTRY	20% <b>CHRYBOTILE</b>	5% CELLULOSE, VINYL, CALCITE, ADHESIVE
10A	SHEET VINYL	TOP LAYER KITCHEN	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE

**ANALYST:** \_\_\_\_\_



**REVIEWED BY:** \_\_\_\_\_



DEVIATION FROM METHOD: NONE.  
PERCENTAGES ARE ESTIMATES.  
TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.  
\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.  
NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## SAMPLE ANALYSIS REPORT

CLIENT: CREEKSIDE ENVIRONMENTAL CONSULTING

SOURCE: 1849 13<sup>TH</sup> STREET,  
WEST LINN, OREGON

ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

SAMPLED BY: TOM THOMPSON  
LAB #: X-1276/12-420  
ANALYZED BY: TOM THOMPSON

DATE SAMPLED: 08-15-12

DATE RECEIVED: 08-15-12

DATE COMPLETED: 08-17-12

ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
10B	SHEET VINYL	SECOND LAYER KITCHEN	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE
10C	SHEET VINYL	BOTTOM LAYER KITCHEN	NONE DETECTED	25% CELLULOSE, VINYL, CALCITE, ADHESIVE
11	FLOOR TILE AND MASTIC	BASEMENT CLOSET	NONE DETECTED	CALCIUM CARBONATE, VINYL, BINDER, TAR
12	SHEET VINYL	TOP LAYER FAMILY ROOM	NONE DETECTED	VINYL, SYNTHETIC FOAM, ADHESIVE
13	SHEET VINYL	TOP LAYER LAUNDRY ROOM	NONE DETECTED	20% CELLULOSE, VINYL, CALCITE, ADHESIVE
14	COVE BASE MASTIC	FAMILY ROOM	3% ANTHOPHYLLITE	ADHESIVE, CLAY

ANALYST: 

DEVIATION FROM METHOD: NONE.

PERCENTAGES ARE ESTIMATES.

TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.

\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.

NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

REVIEWED BY: 

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**

**SAMPLE ANALYSIS REPORT**

**CLIENT:** CREEKSIDE ENVIRONMENTAL CONSULTING  
ATTN: BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

**SOURCE:** 1849 13<sup>TH</sup> STREET,  
WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1276/12-420  
**ANALYZED BY:** TOM THOMPSON

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE COMPLETED:** 08-17-12

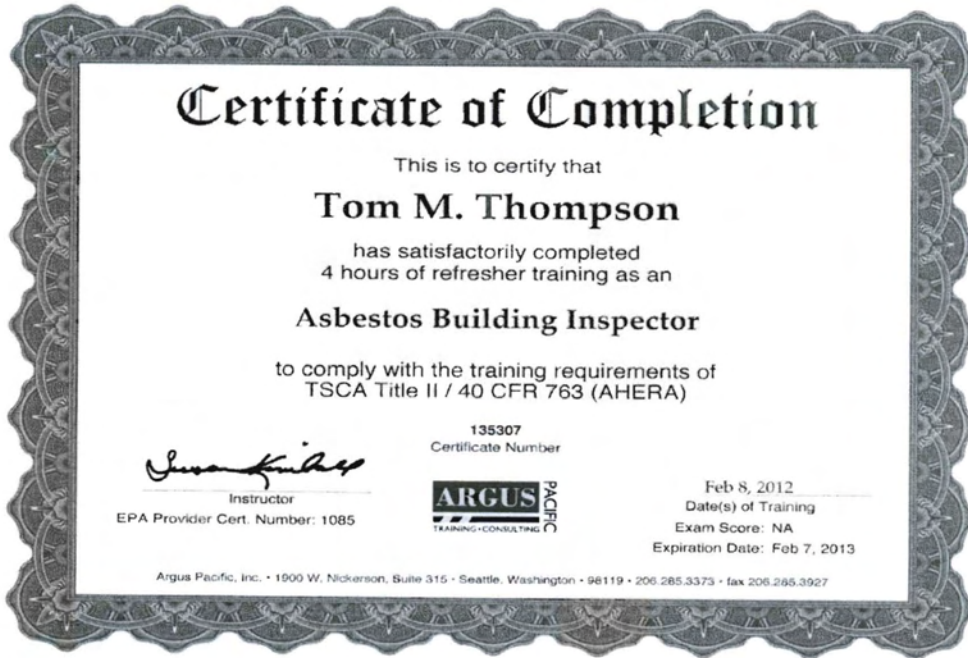
ANALYTICAL METHOD: EPA, 40 CFR Part 763, Section 1, Subpart F,  
Appendix A, PLM/Dispersion Staining

SAMPLE ID #	SAMPLE DESCRIPTION	SAMPLE LOCATION	ASBESTOS CONTENT	OTHER MATERIAL
15	COVE BASE MASTIC	KITCHEN	NONE DETECTED	SILICONE CEMENT
16	ORANGE PEEL TEXTURE	LIVING ROOM	NONE DETECTED	CALCIUM CARBONATE, BINDER
17	ORANGE PEEL TEXTURE	HALLWAY	NONE DETECTED	CALCIUM CARBONATE, BINDER
18	ORANGE PEEL TEXTURE	BEDROOM	NONE DETECTED	CALCIUM CARBONATE, BINDER

**ANALYST:** 

DEVIATION FROM METHOD: NONE.  
PERCENTAGES ARE ESTIMATES.  
TEST RESULTS PERTAIN ONLY TO ITEMS TESTED.  
\* DETECTION LIMIT IS LESS THAN 1% ASBESTOS.  
NON-ASBESTOS MATERIALS ARE NOT NECESSARILY LISTED.

**REVIEWED BY:** 



# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

---

August 30, 2012

Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

Dear Mr. Jorgensen;

On August 15, 2012, three lead paint samples were collected from the exterior siding, exterior trim, and interior wall. The samples were collected at, 1849 13<sup>th</sup> Street, in West Linn, Oregon. The paint samples were collected by Tom Thompson; an EPA trained lead paint inspector and analyzed by EHS.

The samples were analyzed by flame Atomic Absorption spectrophotometry with sample results of 580 ppm (parts per million), 15,000 ppm (parts per million), and 350 ppm (parts per million), respectively. The current regulatory guidelines issued by HUD and EPA specify that paint containing more than 5000 ppm be considered lead paint.

OSHA's standard makes it absolutely clear that paint containing any lead falls into OSHA's guideline, 29 CFR 1926.62 "Lead For The Construction Industry" OAR 437, Division 3, where an employee may become occupationally exposed to lead. All construction work excluded in the general industry standard for lead is now covered by this standard. It includes the demolition or salvage of structures where lead or materials of lead are present.

If lead is present in your workplace in any quantity, the employer and/or owners' representative is required to make an initial determination of whether any employee's exposure to lead exceeds the action level of 30 micrograms per cubic meter of air averaged over an 8-hour day. Employee exposure is that exposure which would occur if the employee were not using a respirator.

For residential lead projects involving paint that contains more than 5000 ppm (parts per million), a licensed lead abatement contractor certified by the Oregon Health Division must be used.

There are requirements for employee protection during the assessment for each specific task(s). For these tasks, employees must be protected as if exposed above the PEL (permissible exposure limit, greater than fifty micrograms per cubic meter of air, averaged over an eight-hour period).

When applicable, disposal requirements call for a Toxic Characteristic Leaching Procedure (TCLP) test to be done to profile the debris, as per 40 CFR 148, before any disposal can occur to determine if it is a hazardous waste as defined by the EPA.

We appreciate the opportunity to have worked with you on this project and look forward to serving your needs in the future. Please contact our offices, if you have any questions or if we can be of further assistance.

Sincerely,

  
Don Young  
Principal

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

## LEAD PAINT ANALYSIS REPORT

**CLIENT:**

CREEKSIDE ENVIRONMENTAL  
CONSULTING  
MR. BRENT JORGENSEN  
21790 SW CHEHALIS COURT  
TUALATIN, OREGON 97062

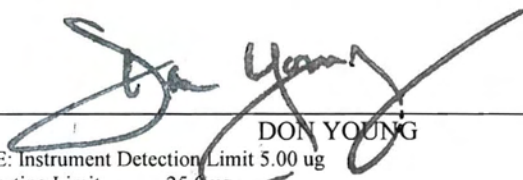
**SOURCE:** 1849 13<sup>TH</sup> STREET,  
IN WEST LINN, OREGON  
**SAMPLED BY:** TOM THOMPSON  
**LAB #:** X-1276  
**ANALYZED BY:** EHS

**DATE SAMPLED:** 08-15-12  
**DATE RECEIVED:** 08-15-12  
**DATE (COMP):** 08-17-12

PREPARATION METHOD: EPA 600/R-93/200 ANALYSIS METHOD: EPA SW846 7420

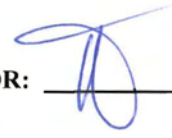
SAMPLE #	SAMPLE DESCRIPTION	SAMPLE LOCATION	LEAD CONCENTRATION PPM
1PB	PAINT	EXTERIOR SIDING	580
2PB	PAINT	EXTERIOR TRIM	15,000
3PB	PAINT	INTERIOR WALL	350

REVIEWED BY: \_\_\_\_\_



DON YOUNG

LAB DIRECTOR: \_\_\_\_\_



NOTE: Instrument Detection Limit 5.00 ug  
Reporting Limit 25.0 ug  
Sample results denoted with a "less than" (<) sign contain less than 25.0 ug total lead, based on a 50 ml. sample volume.  
The current regulatory guidelines issued by HUD and EPA specify that paint containing more than 5000 ppm be considered lead paint.



State of Oregon  
Oregon Health Authority

**Certified Environmental Consulting**

is certified by the Oregon Health Authority to conduct lead-based paint activities

Certification Number: **1036**  
Control Number: **002394**

Date of Issuance: **7/6/2011**  
Date of Expiration: **6/30/2012**



Oregon  
**Health**  
Authority

---

---

**CERTIFIED ENVIRONMENTAL CONSULTING, LLC**

---

---

August 30, 2012

Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

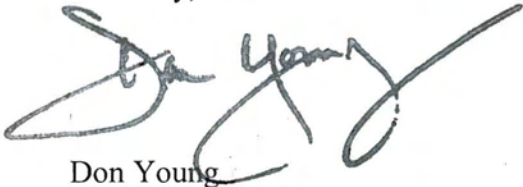
Dear Mr. Jorgensen,

On August 15, 2012, a TCLP sample was taken to determine lead content of various building materials collected from throughout the building. The sample was collected at, 1849 13<sup>th</sup> Street, in West Linn, Oregon. The sample were collected by Tom Thompson, an EPA trained lead inspector and analyzed by Apex Laboratories.

The sample was analyzed according to the TCLP (Toxic Characteristic Leaching Procedure) protocol. TCLP testing evaluates the potential of lead to leach out and contaminate the soil and water. According to Federal and State regulations, CFR 261.24 and Oregon rule OAR 340-101, any test result higher than 5 milligrams per liter indicates the item is to be considered a hazardous waste. Representative testing results for this site is no lead detected (none detected), therefore according to Oregon rule; this material may be accepted at any construction/demolition debris landfill.

We appreciate the opportunity to have worked with you on this project and look forward to serving your needs in the future. If there are any questions or concerns, please contact our office.

Sincerely,

A handwritten signature in black ink, appearing to read "Don Young", written over a light blue horizontal line.

Don Young  
Principal

DY/ah

**Lead TCLP Analysis Report**

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1819 13<sup>th</sup> Street, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1275/12-419  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

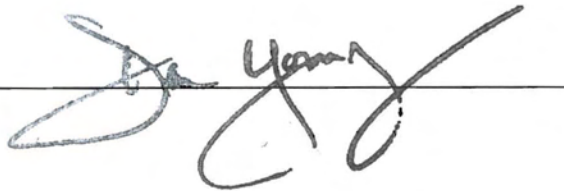
**Client Sample ID/Lab Sample ID:** 1 (A12H272-01)  
**Sample Material:** Various Building Materials  
**Sample Location:** Throughout the Building  
**Date Sampled:** 08-15-12  
**Date Received:** 08-15-12  
**Date (Comp):** 08-26-12

**Analytical Method: TCLP Metals by EPA 6020 (ICPMS)**

Analyte	Result	MDL	Reporting Limit	Units	Dil	Analyzed	Method
Lead	ND	---	0.0500	mg/L	5	08/23/12	EPA 1311/6020

ND-None Detected  
mg/kg = ppm (parts per million)

Reviewed By: \_\_\_\_\_



**Lead TCLP Analysis Report**

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1899 13<sup>th</sup> Street, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1276/12-420  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

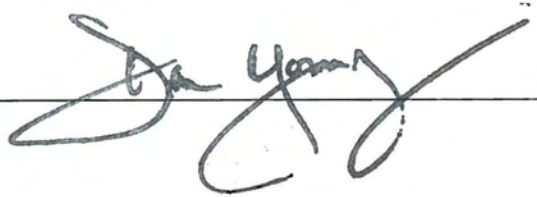
**Client Sample ID/Lab Sample ID:** 1 (A12H274-01)  
**Sample Material:** Various Building Materials  
**Sample Location:** Throughout the Building  
**Date Sampled:** 08-15-12  
**Date Received:** 08-15-12  
**Date (Comp):** 08-26-12

**Analytical Method: TCLP Metals by EPA 6020 (ICPMS)**

Analyte	Result	MDL	Reporting Limit	Units	Dil	Analyzed	Method
Lead	ND	---	0.0500	mg/L	5	08/23/12	EPA 1311/6020

ND-None Detected  
mg/kg = ppm (parts per million)

Reviewed By: \_\_\_\_\_



---

---

# CERTIFIED ENVIRONMENTAL CONSULTING, LLC

---

---

## Lead TCLP Analysis Report

### Quality Control (QC) Sample Results

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1849 13<sup>th</sup> Street, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1276/12-420  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

**Lab Sample ID:** Blank (1208491-BLK1)  
**Date Sampled:** N/A  
**Date Received:** N/A  
**Date (Comp):** 08-26-12  
**Batch** 1208491-EPA 1311/3015

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	ND	---	0.0500	mg/L	5	---	---	---	---	---	---	TCLP

**Lab Sample ID:** LCS (1208491-BS1)  
**Date Prepared:** 08-23-12  
**Date Analyzed:** 08-23-12  
**Date (Comp):** 08-26-12

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.53	---	0.0500	mg/L	5	2.50	---	101	80-120%	---	---	TCLP

**Lab Sample ID:** Matrix Spike (1208491-MS1)  
**QC Source Sample 1** (A12H274-01)  
**Date Prepared:** 08-23-12  
**Date Analyzed:** 08-23-12  
**Date (Comp):** 08-26-12

#### Analytical Method: TCLP Metals by EPA 6020 (ICPMS)

Analyte	Result	MDL	Reporting Limit	Units	Dil	Spike Amount	Source Result	%REC	%REC Limits	RPD	RPD Limit	Notes
Lead	2.48	---	0.0500	mg/L	5	2.50	ND	99	50-150%	---	---	

**Lead TCLP Analysis Report**

**Sample Preparation Information**

**Client:** Creekside Environmental Consulting  
Mr. Brent Jorgensen  
21790 SW Chehalis Court  
Tualatin, Oregon 97062

**Source:** 1849 13<sup>th</sup> Street, in West Linn, Oregon  
**Sampled By:** Tom Thompson  
**Lab/Job #:** X-1276/12-420  
**Analyzed By:** Apex Labs (ORELAP #OR100062)

**Prep:** EPA 1311/3015  
**Batch:** 1208491  
**Date (Comp):** 08-26-12

**Analytical Method: TCLP Metals by EPA 6020 (ICP-AES)**

Lab Number	Matrix	Method	Sampled	Prepared	Sample Initial/Final	Default Initial/Final	RL Prep Factor
A12H274-01	Solid	EPA 1311/6020	08/15/12	08/23/12	5mL/50mL	5mL/50mL	1.00

**Notes and definitions**

Qualifiers:

TCLP -This batch QC sample was prepared with TCLP or SPLP fluid from preparation batch 1208475.

Notes and Conventions:

DET- Analyte DETECTED

ND -Analyte NOT DETECTED at or above the reporting limit

NR Not reported

dry -Sample results reported on a dry weight basis. Results listed as 'wet' or without 'dry' designation are not dry weight corrected.

RPD -Relative Percent Difference.

MDL- If MDL is not listed, data has been evaluated to the Method Reporting Limit only.

WMSC-WaterMiscible Solvent Correction has been applied to Results and MRLs for volatiles soil samples per EPA 8000C.

Batch QC- Unless specifically stated, all analyses include full batch QC, including Sample Duplicates, Matrix Spikes and/or Matrix Spike Duplicates, in order to meet or exceed method and regulatory requirements. This report contains only results for Batch QC derived from samples included in this report. Complete Batch QC results are available upon request. In cases where there is insufficient sample provided for Sample Duplicates and/or Matrix Spike, a Lab Control Sample Duplicate (LCS Dup) is analyzed to demonstrate accuracy and precision of the extraction and analysis.

Blank Policy-Apex assesses blank data for potential high bias down to a level equal to ½ the method reporting limit (MRL), except for conventional chemistry and HCID analyses which are assessed only to the MRL. Sample results flagged with B or B-02 qualifier are potentially biased high if they are less than ten times the level found in the blank for inorganic analyses or less than five times the level found in the blank for organic analyses.

--- QC results are not applicable. For example, % Recoveries for Blanks and Duplicates, % RPD for Blanks, Blank Spikes and Matrix Spikes, etc.

\*\*\*-Used to indicate a possible discrepancy with the Sample and Sample Duplicate results when the %RPD is not available. In this case, either the Sample or the Sample Duplicate has a reportable result for this analyte, while the other is Non Detect (ND)

**Photographic Log**



1. Front view of 1849 13<sup>th</sup> Street,  
West Linn, Oregon



2. Main floor of house.



**Photographic Log**

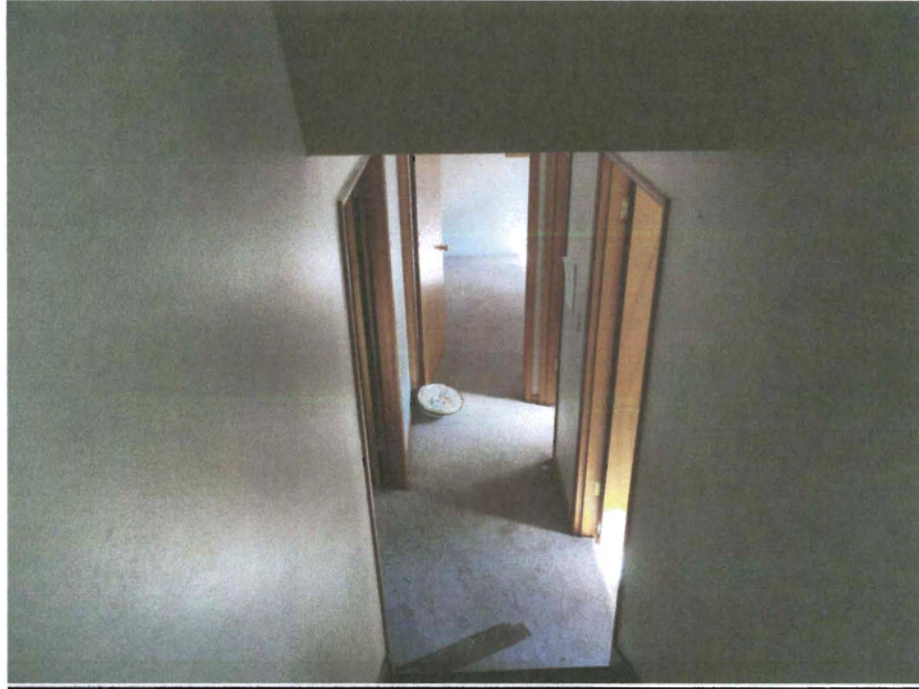


3. Kitchen area of house.



4. View of upper level.

**Photographic Log**



5. View of basement.