

**ALTAMONT ENVIRONMENTAL, INC.**  
ENGINEERING & HYDROGEOLOGY

231 HAYWOOD STREET, ASHEVILLE, NC 28801  
TEL. 828.281.3350 FAC. 828.281.3351  
WWW.ALTAMONTENVIRONMENTAL.COM

*Transmitted by email*  
[tracy.wahl@ncdenr.gov](mailto:tracy.wahl@ncdenr.gov)

March 27, 2014

Ms. Tracy Wahl  
Regional Brownfields Coordinator  
North Carolina Department of Environment and Natural Resources  
339 New Leicester Highway, Suite 140  
Asheville, North Carolina 28806

Subject: Soil-Gas Sampling Results  
Former Grey Hosiery Mill  
301 Fourth Avenue East  
Hendersonville, North Carolina

Dear Ms. Wahl:

On behalf of the City of Hendersonville (the City), Altamont Environmental Inc. (Altamont) is submitting this report for soil gas sampling activities at the former Grey Hosiery Mill property (the site) located at 301 Fourth Avenue East in Hendersonville, North Carolina (see attached Figure 1—Site Location Map).

## Background

Historical groundwater data, summarized in the *Brownfield Site Assessment Report—Former Grey Hosiery Mill* (2005 Phase II ESA) prepared by Hart and Hickman, PC, dated April 21, 2005 and the *Phase II Environmental Site Assessment Update* (Phase II ESA Update) prepared by Altamont dated October 28, 2013 indicate that groundwater in some areas of the site is impacted with low concentrations of volatile organic compounds (VOCs). Concentrations of VOCs are below the North Carolina Inactive Hazardous Sites Branch (IHSB) Industrial/Commercial Vapor Intrusion Screening Levels (Industrial VI levels) for Preliminary Acceptable Groundwater concentrations. However, in the most recent sampling event, the concentration of one VOC, tetrachloroethene (PCE), in monitoring well MW-4 (for well location, see attached Figure 2—Soil-Gas Probe Location Map) slightly exceeded the IHSB Residential Vapor Intrusion Screening Level (Residential VI level) for Preliminary Acceptable Groundwater concentrations. Concentrations of chloroform had historically exceeded the Residential VI level in other wells, but did not during the 2013 sampling event.

## Purpose

This assessment was conducted in order to evaluate any potential vapor intrusion risk associated with the existing building located on the subject property. Altamont installed five soil gas probes and collected soil gas samples on February 17 and 26, 2014. A background ambient air sample was collected on February 11, 2014. Samples were analyzed for select VOCs via Environmental Protection Agency (EPA) Method TO-15. Sampling locations are shown on the attached Figure 2.

The following sections describe the methodology and analytical results for sampling activities at the site.

## Soil Gas Probe Installation

Altamont notified the North Carolina One-Call Center to identify the location of public underground utilities on-site. A fiber optic cable is located underneath the sidewalk along the western property boundary with Grove Street. The location of the fiber optic cable caused the location of soil-gas probes to be moved further east, out of the sidewalk and into a grassy area closer to the building on the subject property.

On February 11, 2014, Altamont oversaw Akers Environmental, a North Carolina licensed drilling contractor, advance borings using direct-push techniques. Five soil gas probes (SG-1, SG-2, SG-3, SG-4, and SG-5) were installed on-site, located as shown on the attached Soil-Gas Location Map. The target sampling depth was generally 5 feet below ground surface (ft-bgs) and 2 feet above the water table with a minimum depth of 3 ft-bgs. Initially groundwater was not encountered in any of the borings.

The soil-gas borings were installed as follows:

- SG-1 was initially installed to 4.5 ft-bgs but was reinstalled to 3 ft-bgs and designated as SG-1R on February 26, 2014 after water was observed in the soil-gas probe tubing assembly during soil-gas purging. The probe (SG-1R) was installed using a 3-½-inch diameter hand auger near the southwestern corner of the property, 25 feet north of monitoring well MW-4.
- SG-2 was installed to 4 ft-bgs and located north of SG-1 along Grove Street.
- SG-3 was installed to 3.9 ft-bgs and located north of SG-2 in the northwestern portion of the property along Grove Street, south of abandoned monitoring well MW-5.
- SG-4 was installed to 3.4 ft-bgs and located in the northwestern portion of the property along Fifth Avenue East, halfway between monitoring well MW-6 and the building corner.
- SG-5 was installed to 4.6 ft-bgs and located within the parking area on the subject property near monitoring well MW-1.

Probes were constructed of 6-inch-long by ½-inch-diameter stainless steel screens connected to ¼-inch-diameter Teflon-lined polyethylene tubing capped with a stopcock cap. The stopcock was then connected to additional tubing and brass barb fitting to facilitate sampling the soil gas probes. Probes were constructed in general accordance with *Tennessee Department of Environment and Conservation Division of Underground Storage Tanks Technical Guidance Document—018, RE: Requirements for Conducting Soil Gas Surveys*, dated January 1, 2008.

After the probe screen and tubing assembly were placed in the borehole, a sand pack was inserted around the screen to a depth of at least 6 inches above the top of the screen. Hydrated bentonite pellets were used to seal the annular space from the top of the sand pack to ground surface.

## Ambient Air Sampling

Prior to installing soil gas probes, one field blank ambient air sample, AMB-1, was collected outdoors through one of the screen, tubing, and sampling assemblies. The sample was collected along the western property boundary between soil-gas probes SG-2 and SG-3. The field blank was collected with a 1-liter negative pressure summa canister with a passive vacuum regulator over approximately 30 minutes on February 11, 2014.

## Soil Gas Sampling

On February 17, 2014, Altamont mobilized to the site to collect soil-gas samples from the probes described above. The soil-gas sample from SG-1R was collected on February 26, 2014 due to water observed in the original soil-gas probe tubing.

Prior to sampling, approximately three volumes (including the volume of the screen, tubing, and sampling assembly) were purged from the probe and tubing assembly using a syringe at the five locations. A sample was then collected over a 30-minute period using a 1-liter summa canister. The initial and final time and pressures were recorded for each of the samples as well as the atmospheric conditions for each day samples were collected. The field notes are summarized on the attached Soil-Gas Sampling Logs.

The samples were analyzed by ConTest Analytical Laboratories (a North Carolina certified laboratory) located in Longmeadow, Massachusetts for the VOCs that have been detected in groundwater at the site (PCE, chloroform, and methyl tertiary-butyl ether [MTBE]) as well as PCE daughter products (trichloroethelene [TCE], cis-1,2-dichloroethelene [cis-1,2-DCE], trans-1,2-dichloroethelene [trans-1,2-DCE], and vinyl chloride) by EPA Method TO-15.

## Soil-Gas Results

Soil-gas analytical results indicate that VOCs are present in soil-gas, but at concentrations below both the DENR Division of Waste Management (DWM) Residential and Non-Residential Soil-Gas Screening Levels (SGSLs). Soil-gas results are included in the attached Table 1—Soil-Gas Analytical Results Summary. The laboratory analytical report is also attached.

Chloroform was detected at a low concentration (0.17 micrograms per cubic meter [ $\mu\text{g}/\text{m}^3$ ]), in the exterior ambient air sample (AMB-1). This was the only VOC detected in this sample and was detected at a concentration below the DENR DWM Residential and Non-Residential Vapor Indoor Screening Levels (IASLs). Chloroform is a common laboratory contaminant but also a constituent present in groundwater at the site.

## Conclusions

This assessment did not indicate the presence of an unacceptable risk of vapor intrusion for residential or commercial use of the current building or a proposed building located in the general footprint and at a similar foundation elevation of the subject site building.

No additional assessment or remedial activities are recommended at this time.

Ms. Tracy Wahl  
March 27, 2014  
Page 4 of 4

Thank you for your time and consideration on this project. Please feel free to call or respond with any questions or comments related to this project.

Sincerely,

ALTAMONT ENVIRONMENTAL, INC.



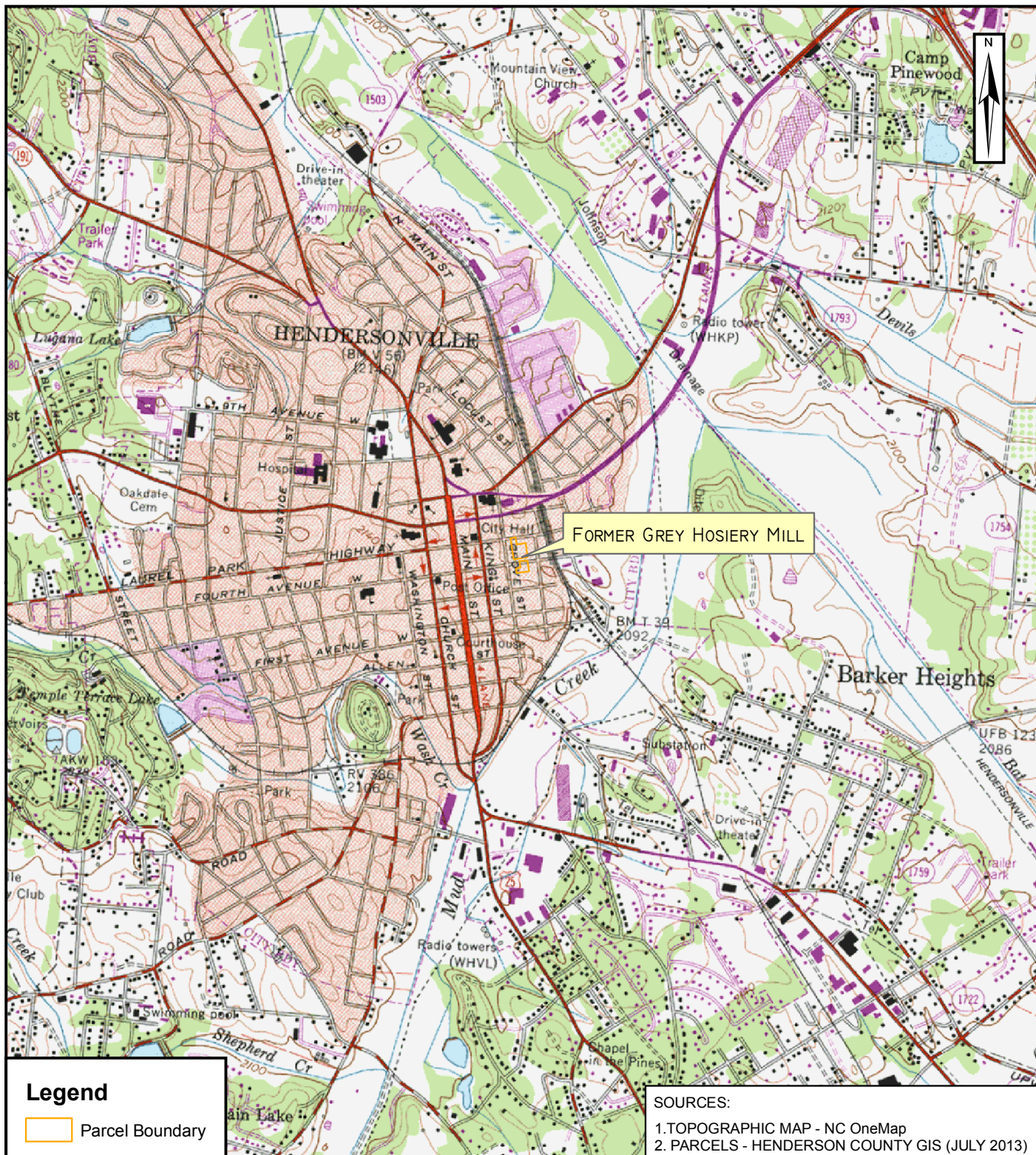
Adam M. Tripp, P.G.



CC: John Connet, ICMA-CM—City of Hendersonville

Enclosures: Figure 1—Site Location Map  
Figure 2—Soil-Gas Probe Location Map  
Table 1—Soil-Gas Sample Analytical Results Summary  
Soil-Gas Sampling Logs  
Report of Laboratory Analysis





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DRAWN BY: JENNIFER VERDE  
PROJECT MANAGER: CHRIS GILBERT  
CLIENT: CITY OF HENDERSONVILLE  
DATE: 03/27/2014

SCALE

0 500 1,000 2,000  
FEET

## SITE LOCATION MAP

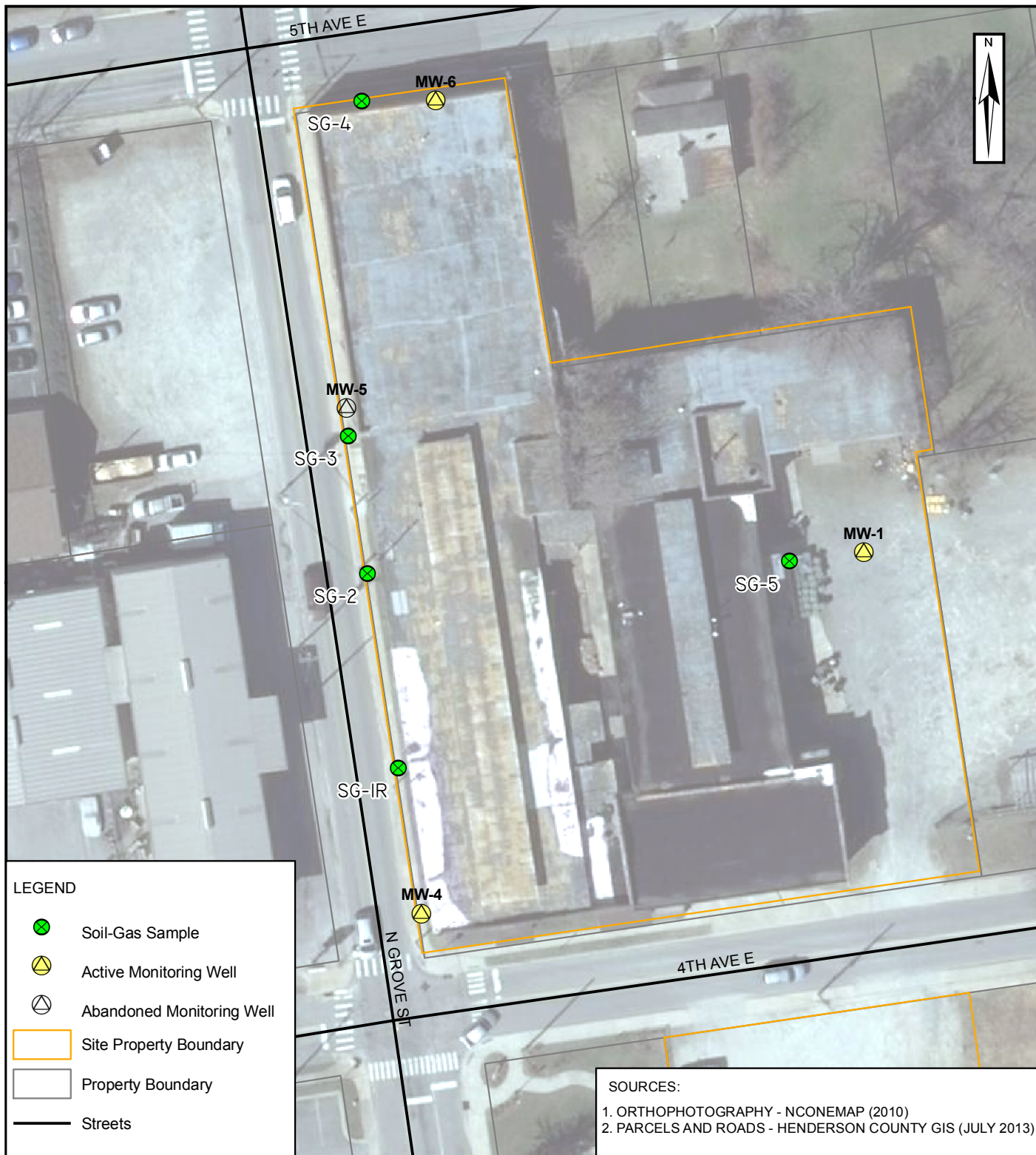
FORMER GREY HOSIERY MILL  
301 FOURTH AVENUE EAST, HENDERSONVILLE  
HENDERSON COUNTY, NORTH CAROLINA

## FIGURE

1

P:\CITY OF HENDERSONVILLE\GREY HOSIERY MILL\FIGURES\SITE LOCATION MAP.MXD





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DRAWN BY: EVAN YURKOVICH  
PROJECT MANAGER: CHRIS GILBERT  
CLIENT: CITY OF HENDERSONVILLE  
DATE: 03/13/2014



## SOIL-GAS PROBE LOCATION MAP

FORMER GREY HOSIERY MILL  
301 FOURTH AVENUE EAST, HENDERSONVILLE  
HENDERSON COUNTY, NORTH CAROLINA

FIGURE

2

P:\CITY OF HENDERSONVILLE\GREY HOSIERY MILL\Fig\Soil-Gas Probe Location Map.MXD

**Table 1**  
**Soil-Gas Sample Analytical Results Summary**  
**Former Grey Hosiery Mill**  
**301 Fourth Avenue East**  
**Hendersonville, North Carolina**

Constituent	Sample ID:				AMB-1	SG-1R	SG-2	SG-3	SG-4	SG-5
	Date Collected:				2/11/2014	2/26/2014	2/17/2014	2/17/2014	2/17/2014	2/17/2014
VOCs ( $\mu\text{g}/\text{m}^3$ ) (Method TO-15)	Non-Residential IASL	Residential IASL	Non-Residential SGSL	Residential SGSL						
Chloroform	53.3	10.6	533	35.3	0.17	<0.49	0.60	<0.49	3.8	0.61
Methyl tert-butyl ether	2,630	626	47,200	3,120	<0.13	<0.36	<0.36	0.38	<0.36	<0.36
Tetrachloroethene	35.0	8.34	3,500	278	<0.24	<0.68	1.7	<0.68	<0.68	5.9
Trichloroethene	1.75	0.417	175	13.9	<0.19	0.70	<0.54	<0.54	<0.54	<0.54
cis-1,2-Dichloroethene	NL	NL	NL	NL	<0.14	<0.40	<0.40	<0.40	<0.40	<0.40
trans-1,2-Dichloroethene	52.6	12.5	5,260	417	<0.14	<0.40	<0.40	<0.40	<0.40	<0.40
Vinyl chloride	87.6	16.1	2,790	53.7	<0.09	<0.26	<0.26	<0.26	<0.26	<0.26

Notes:

AMB-1 Ambient air sample collected outside between SG-2 and SG-3 and analytical results compared to IASLs.

SG Soil-gas samples collected from associated soil-gas probe and analytical results compared to SGSLs.

VOCs Volatile organic compounds.

$\mu\text{g}/\text{m}^3$  All results reported in micrograms per cubic meter.

IASLs DENR-DWM Residential and Non-Residential Indoor Air Screening Levels (IASLs) at Target Risk 1.0x10<sup>-4</sup>, January 2014.

SGSLs Department of Environment and Natural Resources (DENR) Division of Waste Management (DWM) Residential and Non-Residential Soil Gas Screening Levels (SGSLs), January 2014.

0.7 Indicates constituent was detected at a concentration above the associated laboratory reporting limit.

<0.49 Indicates that the concentration was not detected at a concentration above the associated laboratory reporting limit.

NL Not listed.

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PROJECT NAME: <u>Former Grey Hosiery Mill</u>	PROJECT NUMBER: _____
LOCATION: <u>Hendersonville, NC</u>	DATE: <u>2/11/14</u>
SAMPLING PERSONNEL: <u>M. Gragg</u>	

Barometric Pressure: 30.21 in

[illegible]

Date: 3/27/14



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PROJECT NAME: Grey Hosiery Mill	PROJECT NUMBER: 2479.01
LOCATION: Hendersonville NC	DATE: 2/17/2014
SAMPLING PERSONNEL: E. Yuxanich	

Barometric Pressure: 30.3 in

Water observed in S6-1 tubney when collecting sample. Sample not collected from S6-1.

[illegible]

Date: 2/07/14

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## Air/Soil-Gas Sampling Log

[illegible]


March 10, 2014

Adam Tripp  
Altamont Environmental  
231 Haywood Street  
Asheville, NC 28801

Project Location: Grey Hosiery Mill, Hendersonville, NC  
Client Job Number:  
Project Number: 2479.01  
Laboratory Work Order Number: 14B0853

Enclosed are results of analyses for samples received by the laboratory on February 26, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa Worthington", is written over a light gray rectangular background.

Lisa A. Worthington  
Project Manager

Altamont Environmental  
231 Haywood Street  
Asheville, NC 28801  
ATTN: Adam Tripp

REPORT DATE: 3/10/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2479.01

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14B0853

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Grey Hosiery Mill, Hendersonville, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SG-1R	14B0853-01	Soil Gas		EPA TO-15	



#### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "M. Erickson", is written on a light gray rectangular background.

Michael A. Erickson  
Laboratory Director

# ANALYTICAL RESULTS

Project Location: Grey Hosiery Mill, Hendersonvill  
Date Received: 2/26/2014  
**Field Sample #: SG-1R**  
**Sample ID: 14B0853-01**  
Sample Matrix: Soil Gas  
Sampled: 2/26/2014 14:30

Sample Description/Location:  
Sub Description/Location:  
Canister ID: 1177  
Canister Size: 6 liter  
Flow Controller ID: 4175  
Sample Type: 30 min

**Work Order: 14B0853**  
Initial Vacuum(in Hg): -25.5  
Final Vacuum(in Hg): -9  
Receipt Vacuum(in Hg): -11.8  
Flow Controller Type: Fixed-Orifice  
Flow Controller Calibration  
RPD Pre and Post-Sampling:

## EPA TO-15

Analyte	Results	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
		RL	MDL		Results	RL		Analyzed		
Chloroform	ND	0.10	0.023		ND	0.49	2	3/6/14 22:20	WSD	
cis-1,2-Dichloroethylene	ND	0.10	0.038		ND	0.40	2	3/6/14 22:20	WSD	
trans-1,2-Dichloroethylene	ND	0.10	0.026		ND	0.40	2	3/6/14 22:20	WSD	
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.031		ND	0.36	2	3/6/14 22:20	WSD	
Tetrachloroethylene	ND	0.10	0.028		ND	0.68	2	3/6/14 22:20	WSD	
Trichloroethylene	0.13	0.10	0.030		0.70	0.54	2	3/6/14 22:20	WSD	
Vinyl Chloride	ND	0.10	0.043		ND	0.26	2	3/6/14 22:20	WSD	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	3/6/14 22:20

**Sample Extraction Data**

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
14B0853-01 [SG-1R]	B091588	1.5	1	N/A	1000	400	300	03/06/14

# QUALITY CONTROL

## Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
	Results	RL	Results	RL							

### Batch B091588 - TO-15 Prep

#### Blank (B091588-BLK1)

Prepared &amp; Analyzed: 03/06/14

Chloroform	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Tetrachloroethylene	ND	0.025
Trichloroethylene	ND	0.025
Vinyl Chloride	ND	0.025

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>8.46</i>	<i>8.00</i>	<i>106</i>	<i>70-130</i>
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#### LCS (B091588-BS1)

Prepared &amp; Analyzed: 03/06/14

Chloroform	4.48	5.00	89.7	70-130
cis-1,2-Dichloroethylene	4.30	5.00	86.0	70-130
trans-1,2-Dichloroethylene	4.27	5.00	85.5	70-130
Methyl tert-Butyl Ether (MTBE)	4.75	5.00	94.9	70-130
Tetrachloroethylene	4.90	5.00	98.1	70-130
Trichloroethylene	4.25	5.00	85.0	70-130
Vinyl Chloride	5.16	5.00	103	70-130

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	<i>9.15</i>	<i>8.00</i>	<i>114</i>	<i>70-130</i>
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**FLAG/QUALIFIER SUMMARY**

- \* QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

# CERTIFICATIONS

## Certified Analyses included in this Report

Analyte	Certifications
<b>EPA TO-15 in Air</b>	
Chloroform	AIHA,FL,NJ,NY,VA,ME
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA,ME
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA,ME
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,VA,ME
Tetrachloroethylene	AIHA,FL,NJ,NY,VA,ME
Trichloroethylene	AIHA,FL,NJ,NY,VA,ME
Vinyl Chloride	AIHA,FL,NJ,NY,VA,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



ANALYTICAL LABORATORY

Phone: 413-525-2332

Fax: 413-525-6405

Email: info@contestlabs.com

www.contestlabs.com

AIR SAMPLE CHAIN OF CUSTODY

RECORD

39 SPRUCE ST

EAST LONGMEADOW, MA 01028

Page \_\_\_\_ of \_\_\_\_

Company Name:

Altamont Environmental

Address:

331 Haywood St.

Attention:

Adam, Tripp

Project Location:

Grey Hestory Mill, Hendersonville NC

Sampled By:

Ernest Vukobrat

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

proposal date

Telephone: (888) 281-3350  
Project # 2479.01  
Client PO #

DATA DELIVERY (check one):  
☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: [altamont@contestlabs.com](mailto:altamont@contestlabs.com)

Format: ☐ EXCEL ☒ PDF ☐ GIS KEY ☐ OTHER

Date Sampled

Start Stop

Date Time

Date Time

Minutes

Sampled

Flow Rate

M<sup>3</sup>/Min. or L / Min.

Volume

Liters or M<sup>3</sup>

Matrix

Code\*

SG-1R

Soil Gas

S

01

1356

1430

34

46L

SG

X

ANALYSIS REQUESTED

TO-15 (PCE, TCE, DCE, trans-1,2-DCE, VC, Chloroform, MTBE only)

SG-1R

Soil Gas

S

01

1356

1430

34

46L

SG

X

Please fill out completely, sign, and retain the yellow copy for your record.

Summa canisters flow controllers returned within 14 days of receipt or rental will apply.

Summa canisters retained for a minimum of 14 days after sampling date prior to cleaning.

Summa canister ID

1177

413

Flow

Con

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

ID

**IMPORTANT!**

Delays are anticipated in AL, FL and LA during Mardi Gras. Learn More

**798044902597**Ship (P/U) date :  
**Wed 2/26/2014**  
ASHEVILLE, NC US**Delivered**

Signed for by: KBRUTZER

Actual delivery :  
**Fri 2/28/2014 12:51 pm**  
EAST LONGMEADOW, MA US**Travel History**

Date/Time	Activity	Location
- 2/28/2014 - Friday		
12:51 pm	Delivered	East Longmeadow, MA
5:14 am	On FedEx vehicle for delivery	CHICOPEE, MA
5:06 am	At local FedEx facility	CHICOPEE, MA
1:18 am	Departed FedEx location	WILLINGTON, CT
- 2/27/2014 - Thursday		
8:23 pm	Arrived at FedEx location	WILLINGTON, CT
4:33 am	Departed FedEx location	CHARLOTTE, NC
1:52 am	Arrived at FedEx location	CHARLOTTE, NC
- 2/26/2014 - Wednesday		
9:05 pm	Left FedEx origin facility	Mills River, NC
5:39 pm	Arrived at FedEx location	Mills River, NC
5:00 pm	Picked up	Mills River, NC
4:22 pm	Shipment information sent to FedEx	
3:55 pm	In FedEx possession Tendered at FedEx location	ASHEVILLE, NC

Local Scan Time

**Shipment Facts**

Tracking number	798044902597	Service	FedEx Ground
Reference	2479	Weight	7 lbs
Dimensions	17x9x9 in.	Total pieces	1
Packaging	Package		



Login Sample Receipt Checklist(Rejection Criteria Listing - Using Sample Acceptance Policy)Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>	<u>Comment</u>
	<u>T/F/NA</u>	
1) The cooler's custody seal, if present, is intact.	NA	
2) The cooler or samples do not appear to have been compromised or tampered with.	NA	
3) Samples were received on ice.	NA	
4) Cooler Temperature is acceptable.	NA	
5) Cooler Temperature is recorded.	NA	
6) COC is filled out in ink and legible.	T	
7) COC is filled out with all pertinent information.	T	
8) Field Sampler's name present on COC.	T	
9) There are no discrepancies between the sample IDs on the container and the COC.	T	
10) Samples are received within Holding Time.	T	
11) Sample containers have legible labels.	T	
12) Containers are not broken or leaking.	T	
13) Air Cassettes are not broken/open.	NA	
14) Sample collection date/times are provided.	T	
15) Appropriate sample containers are used.	T	
16) Proper collection media used.	T	
17) No headspace sample bottles are completely filled.	NA	
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T	
19) Trip blanks provided if applicable.	NA	
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA	
21) Samples do not require splitting or compositing.	T	



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Page 1 of 2

39 Spruce St.  
East Longmeadow, MA.  
01028  
P: 413-525-2332  
F: 413-525-6405

## AIR Only Receipt Checklist

CLIENT NAME: Altamont RECEIVED BY: PB DATE: 2.28.14

1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No

2) Does the chain agree with the samples? ☒ Yes ☐ No  
If not, explain:

3) Are all the samples in good condition? ☒ Yes ☐ No  
If not, explain:

4) Are there any samples "On Hold"? Yes ☒ No ☐ Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes ☒ No ☐

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

6) Location where samples are stored:

Air Lab

Permission to subcontract samples? Yes ☐ No ☐  
(Walk-in clients only) if not already approved  
Client Signature: \_\_\_\_\_

7) Number of cans Individually Certified or Batch Certified?

### Containers received at Con-Test

	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)	1	6 lit
Tedlar Bags		
TO-17 Tubes		
Regulators	1	30 min
Restrictors		
Hg/Hopcalite Tube (NIOSH 6009)		
(TO-4A/ TO-10A/TO-13) PUFs		
PCB Florisil Tubes (NIOSH 5503)		
Air cassette		
PM 2.5/PM 10		
TO-11A Cartridges		
Other		

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments:

1177 4175

February 28, 2014

Adam Tripp  
Altamont Environmental  
231 Haywood Street  
Asheville, NC 28801

Project Location: Hendersonville, NC  
Client Job Number:  
Project Number: 2479.01  
Laboratory Work Order Number: 14B0521

Enclosed are results of analyses for samples received by the laboratory on February 19, 2014. If you have any questions concerning this report, please feel free to contact me.

Sincerely,

A handwritten signature in black ink, appearing to read "Lisa Worthington", is displayed on a light gray rectangular background.

Lisa A. Worthington  
Project Manager



39 Spruce Street \* East Longmeadow, MA 01028 \* FAX 413/525-6405 \* TEL. 413/525-2332

Altamont Environmental  
231 Haywood Street  
Ashville, NC 28801  
ATTN: Adam Tripp

REPORT DATE: 2/28/2014

PURCHASE ORDER NUMBER:

PROJECT NUMBER: 2479.01

#### ANALYTICAL SUMMARY

WORK ORDER NUMBER: 14B0521

The results of analyses performed on the following samples submitted to the CON-TEST Analytical Laboratory are found in this report.

PROJECT LOCATION: Hendersonville, NC

FIELD SAMPLE #	LAB ID:	MATRIX	SAMPLE DESCRIPTION	TEST	SUB LAB
SG-2	14B0521-01	Soil Gas		EPA TO-15	
SG-3	14B0521-02	Soil Gas		EPA TO-15	
SG-4	14B0521-03	Soil Gas		EPA TO-15	
SG-5	14B0521-04	Soil Gas		EPA TO-15	
AMB-1	14B0521-05	Ambient Air		EPA TO-15	

#### CASE NARRATIVE SUMMARY

All reported results are within defined laboratory quality control objectives unless listed below or otherwise qualified in this report.

The results of analyses reported only relate to samples submitted to the Con-Test Analytical Laboratory for testing.

I certify that the analyses listed above, unless specifically listed as subcontracted, if any, were performed under my direction according to the approved methodologies listed in this document, and that based upon my inquiry of those individuals immediately responsible for obtaining the information, the material contained in this report is, to the best of my knowledge and belief, accurate and complete.

A handwritten signature in black ink, appearing to read "Daren J. Damboragian", is written over a light gray rectangular background.

Daren J. Damboragian  
Laboratory Manager



# ANALYTICAL RESULTS

Project Location: Hendersonville, NC  
Date Received: 2/19/2014  
**Field Sample #: SG-2**  
**Sample ID: 14B0521-01**  
Sample Matrix: Soil Gas  
Sampled: 2/17/2014 11:48

Sample Description/Location:  
Sub Description/Location:  
Canister ID: 1061  
Canister Size: 6 liter  
Flow Controller ID: 4174  
Sample Type: 30 min

**Work Order: 14B0521**  
Initial Vacuum(in Hg): -30  
Final Vacuum(in Hg): -3  
Receipt Vacuum(in Hg): -3  
Flow Controller Type: Fixed-Orifice  
Flow Controller Calibration  
RPD Pre and Post-Sampling:

## EPA TO-15

Analyte	Results	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
		RL	MDL		Results	RL		Analyzed		
Chloroform	0.12	0.10	0.023		0.60	0.49	2	2/22/14 1:33		TPH
cis-1,2-Dichloroethylene	ND	0.10	0.038		ND	0.40	2	2/22/14 1:33		TPH
trans-1,2-Dichloroethylene	ND	0.10	0.026		ND	0.40	2	2/22/14 1:33		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.031		ND	0.36	2	2/22/14 1:33		TPH
Tetrachloroethylene	0.25	0.10	0.028		1.7	0.68	2	2/22/14 1:33		TPH
Trichloroethylene	ND	0.10	0.030		ND	0.54	2	2/22/14 1:33		TPH
Vinyl Chloride	ND	0.10	0.043		ND	0.26	2	2/22/14 1:33		TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	114	70-130	2/22/14 1:33

# ANALYTICAL RESULTS

Project Location: Hendersonville, NC  
Date Received: 2/19/2014  
**Field Sample #: SG-3**  
**Sample ID: 14B0521-02**  
Sample Matrix: Soil Gas  
Sampled: 2/17/2014 11:52

Sample Description/Location:  
Sub Description/Location:  
Canister ID: 1826  
Canister Size: 6 liter  
Flow Controller ID: 4178  
Sample Type: 30 min

**Work Order: 14B0521**  
Initial Vacuum(in Hg): -28.5  
Final Vacuum(in Hg): -4  
Receipt Vacuum(in Hg): -5.4  
Flow Controller Type: Fixed-Orifice  
Flow Controller Calibration  
RPD Pre and Post-Sampling:

## EPA TO-15

Analyte	Results	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
		RL	MDL		Results	RL		Analyzed		
Chloroform	ND	0.10	0.023		ND	0.49	2	2/21/14 23:34	TPH	
cis-1,2-Dichloroethylene	ND	0.10	0.038		ND	0.40	2	2/21/14 23:34	TPH	
trans-1,2-Dichloroethylene	ND	0.10	0.026		ND	0.40	2	2/21/14 23:34	TPH	
Methyl tert-Butyl Ether (MTBE)	0.11	0.10	0.031		0.38	0.36	2	2/21/14 23:34	TPH	
Tetrachloroethylene	ND	0.10	0.028		ND	0.68	2	2/21/14 23:34	TPH	
Trichloroethylene	ND	0.10	0.030		ND	0.54	2	2/21/14 23:34	TPH	
Vinyl Chloride	ND	0.10	0.043		ND	0.26	2	2/21/14 23:34	TPH	

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	124	70-130	2/21/14 23:34

# ANALYTICAL RESULTS

Project Location: Hendersonville, NC  
Date Received: 2/19/2014  
**Field Sample #: SG-4**  
**Sample ID: 14B0521-03**  
Sample Matrix: Soil Gas  
Sampled: 2/17/2014 11:54

Sample Description/Location:  
Sub Description/Location:  
Canister ID: 1163  
Canister Size: 6 liter  
Flow Controller ID: 4179  
Sample Type: 30 min

**Work Order: 14B0521**  
Initial Vacuum(in Hg): -28  
Final Vacuum(in Hg): -5  
Receipt Vacuum(in Hg): -5.8  
Flow Controller Type: Fixed-Orifice  
Flow Controller Calibration  
RPD Pre and Post-Sampling:

## EPA TO-15

Analyte	Results	ppbv		Flag	ug/m3		Dilution	Date/Time		Analyst
		RL	MDL		Results	RL		Analyzed		
Chloroform	0.79	0.10	0.023		3.8	0.49	2	2/22/14	0:14	TPH
cis-1,2-Dichloroethylene	ND	0.10	0.038		ND	0.40	2	2/22/14	0:14	TPH
trans-1,2-Dichloroethylene	ND	0.10	0.026		ND	0.40	2	2/22/14	0:14	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.031		ND	0.36	2	2/22/14	0:14	TPH
Tetrachloroethylene	ND	0.10	0.028		ND	0.68	2	2/22/14	0:14	TPH
Trichloroethylene	ND	0.10	0.030		ND	0.54	2	2/22/14	0:14	TPH
Vinyl Chloride	ND	0.10	0.043		ND	0.26	2	2/22/14	0:14	TPH
Surrogates	% Recovery			% REC Limits						
4-Bromofluorobenzene (1)	120			70-130						
									2/22/14	0:14

# ANALYTICAL RESULTS

Project Location: Hendersonville, NC  
Date Received: 2/19/2014  
**Field Sample #: SG-5**  
**Sample ID: 14B0521-04**  
Sample Matrix: Soil Gas  
Sampled: 2/17/2014 11:37

Sample Description/Location:  
Sub Description/Location:  
Canister ID: 1699  
Canister Size: 6 liter  
Flow Controller ID: 4195  
Sample Type: 30 min

**Work Order: 14B0521**  
Initial Vacuum(in Hg): -28.5  
Final Vacuum(in Hg): -4  
Receipt Vacuum(in Hg): -5.1  
Flow Controller Type: Fixed-Orifice  
Flow Controller Calibration  
RPD Pre and Post-Sampling:

## EPA TO-15

Analyte	ppbv			Flag	ug/m3		Dilution	Date/Time		Analyst
	Results	RL	MDL		Results	RL		Analyzed		
Chloroform	0.12	0.10	0.023		0.61	0.49	2	2/22/14 0:54		TPH
cis-1,2-Dichloroethylene	ND	0.10	0.038		ND	0.40	2	2/22/14 0:54		TPH
trans-1,2-Dichloroethylene	ND	0.10	0.026		ND	0.40	2	2/22/14 0:54		TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.10	0.031		ND	0.36	2	2/22/14 0:54		TPH
Tetrachloroethylene	0.87	0.10	0.028		5.9	0.68	2	2/22/14 0:54		TPH
Trichloroethylene	ND	0.10	0.030		ND	0.54	2	2/22/14 0:54		TPH
Vinyl Chloride	ND	0.10	0.043		ND	0.26	2	2/22/14 0:54		TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	116	70-130	2/22/14 0:54

# ANALYTICAL RESULTS

Project Location: Hendersonville, NC  
Date Received: 2/19/2014  
**Field Sample #: AMB-1**  
**Sample ID: 14B0521-05**  
Sample Matrix: Ambient Air  
Sampled: 2/17/2014 09:40

Sample Description/Location:  
Sub Description/Location:  
Canister ID: 1034  
Canister Size: 6 liter  
Flow Controller ID: 4196  
Sample Type: 30 min

**Work Order: 14B0521**  
Initial Vacuum(in Hg): -27.5  
Final Vacuum(in Hg): -5  
Receipt Vacuum(in Hg): -5.9  
Flow Controller Type: Fixed-Orifice  
Flow Controller Calibration  
RPD Pre and Post-Sampling:

## EPA TO-15

Analyte	Results	ppbv		Flag	ug/m3		Date/Time		
		RL	MDL		Results	RL	Dilution	Analyzed	Analyst
Chloroform	0.036	0.035	0.0082		0.17	0.17	0.702	2/21/14 22:54	TPH
cis-1,2-Dichloroethylene	ND	0.035	0.013		ND	0.14	0.702	2/21/14 22:54	TPH
trans-1,2-Dichloroethylene	ND	0.035	0.0093		ND	0.14	0.702	2/21/14 22:54	TPH
Methyl tert-Butyl Ether (MTBE)	ND	0.035	0.011		ND	0.13	0.702	2/21/14 22:54	TPH
Tetrachloroethylene	ND	0.035	0.010		ND	0.24	0.702	2/21/14 22:54	TPH
Trichloroethylene	ND	0.035	0.010		ND	0.19	0.702	2/21/14 22:54	TPH
Vinyl Chloride	ND	0.035	0.015		ND	0.090	0.702	2/21/14 22:54	TPH

Surrogates	% Recovery	% REC Limits	
4-Bromofluorobenzene (1)	121	70-130	2/21/14 22:54

### Sample Extraction Data

Prep Method: TO-15 Prep-EPA TO-15

Lab Number [Field ID]	Batch	Pressure Dilution	Pre Dilution	Pre-Dil Initial mL	Pre-Dil Final mL	Default Injection mL	Actual Injection mL	Date
14B0521-01 [SG-2]	B091042	1.5	1	N/A	1000	400	300	02/21/14
14B0521-02 [SG-3]	B091042	1.5	1	N/A	1000	400	300	02/21/14
14B0521-03 [SG-4]	B091042	1.5	1	N/A	1000	400	300	02/21/14
14B0521-04 [SG-5]	B091042	1.5	1	N/A	1000	400	300	02/21/14
14B0521-05 [AMB-1]	B091042	1.5	1	N/A	1000	400	855	02/21/14



# QUALITY CONTROL

## Air Toxics by EPA Compendium Methods - Quality Control

Analyte	ppbv		ug/m3		Spike Level ppbv	Source Result	%REC	%REC Limits	RPD	RPD Limit	Flag
	Results	RL	Results	RL							

### Batch B091042 - TO-15 Prep

#### Blank (B091042-BLK1)

Prepared &amp; Analyzed: 02/21/14

Chloroform	ND	0.025
cis-1,2-Dichloroethylene	ND	0.025
trans-1,2-Dichloroethylene	ND	0.025
Methyl tert-Butyl Ether (MTBE)	ND	0.025
Tetrachloroethylene	ND	0.025
Trichloroethylene	ND	0.025
Vinyl Chloride	ND	0.025

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	8.93		8.00		112	70-130
--	------	--	------	--	-----	--------

#### LCS (B091042-BS1)

Prepared &amp; Analyzed: 02/21/14

Chloroform	4.68		5.00		93.6	70-130
cis-1,2-Dichloroethylene	4.40		5.00		88.0	70-130
trans-1,2-Dichloroethylene	4.26		5.00		85.2	70-130
Methyl tert-Butyl Ether (MTBE)	5.43		5.00		109	70-130
Tetrachloroethylene	5.21		5.00		104	70-130
Trichloroethylene	4.20		5.00		83.9	70-130
Vinyl Chloride	4.44		5.00		88.9	70-130

<i>Surrogate: 4-Bromofluorobenzene (1)</i>	9.26		8.00		116	70-130
--	------	--	------	--	-----	--------

**FLAG/QUALIFIER SUMMARY**

- \* QC result is outside of established limits.
- † Wide recovery limits established for difficult compound.
- ‡ Wide RPD limits established for difficult compound.
- # Data exceeded client recommended or regulatory level

Percent recoveries and relative percent differences (RPDs) are determined by the software using values in the calculation which have not been rounded.

# CERTIFICATIONS

## Certified Analyses included in this Report

Analyte	Certifications
<b>EPA TO-15 in Air</b>	
Chloroform	AIHA,FL,NJ,NY,VA,ME
cis-1,2-Dichloroethylene	AIHA,FL,NY,VA,ME
trans-1,2-Dichloroethylene	AIHA,NJ,NY,VA,ME
Methyl tert-Butyl Ether (MTBE)	AIHA,FL,NJ,NY,VA,ME
Tetrachloroethylene	AIHA,FL,NJ,NY,VA,ME
Trichloroethylene	AIHA,FL,NJ,NY,VA,ME
Vinyl Chloride	AIHA,FL,NJ,NY,VA,ME

The CON-TEST Environmental Laboratory operates under the following certifications and accreditations:

Code	Description	Number	Expires
AIHA	AIHA-LAP, LLC	100033	02/1/2016
MA	Massachusetts DEP	M-MA100	06/30/2014
CT	Connecticut Department of Public Health	PH-0567	09/30/2015
NY	New York State Department of Health	10899 NELAP	04/1/2014
NH-S	New Hampshire Environmental Lab	2516 NELAP	02/5/2015
RI	Rhode Island Department of Health	LAO00112	12/30/2014
NC	North Carolina Div. of Water Quality	652	12/31/2014
NJ	New Jersey DEP	MA007 NELAP	06/30/2014
FL	Florida Department of Health	E871027 NELAP	06/30/2014
VT	Vermont Department of Health Lead Laboratory	LL015036	07/30/2014
WA	State of Washington Department of Ecology	C2065	02/23/2015
ME	State of Maine	2011028	06/9/2015
VA	Commonwealth of Virginia	460217	12/14/2014
NH-P	New Hampshire Environmental Lab	2557 NELAP	09/6/2014



Phone: 413-525-2392  
Fax: 413-525-6405  
Email: info@contestlabs.com  
www.contestlabs.com

# AIR SAMPLE CHAIN OF CUSTODY RECORD

39 SPRUCE ST  
EAST LONGMEADOW, MA 01028

Page 1 of 1

Company Name:

Altamont Environmental

Address:

231 Hyland St.

Asheville NC 28801

Attention:

Adam Tripp

Project Location:

Hendersonville, NC

Sampled By:

Erin Yurkovich

Proposal Provided? (For Billing purposes)

☐ yes ☐ no

Field ID	Sample Description	Media	Lab #
SG-2	Soil Gas	S	01
SG-3	Soil Gas	S	02
SG-4	Soil Gas	S	03
SG-5	Soil Gas	S	04
AMB-1	Ambient	S	05

Laboratory Comments:

Telephone: (888) 281-3350  
Project # 2479.01  
Client PO #

DATA DELIVERY (check one):

☐ FAX ☒ EMAIL ☐ WEBSITE CLIENT

Fax #:

Email: [erina@altamontenvironmental.com](mailto:erina@altamontenvironmental.com)

Format: ☐ EXCEL ☐ PDF ☐ GIS KEY ☐ OTHER

Date Sampled

ONLY USE WHEN USING PUMPS

Start	Stop	Total	Flow Rate	Volume	Matrix
Date	Date	Minutes	M <sup>3</sup> /Min. or L / Min.	Liters or M <sup>3</sup>	Code*
2/17/14	2/17/14	34		6L	SG
2/17/14	2/17/14	30		6L	SG
2/17/14	2/17/14	30		6L	SG
2/17/14	2/17/14	30		6L	SG
2/17/14	2/17/14	28		6L	AMB

CLIENT COMMENTS:

Relinquished by: (signature)

Date/Time: 2/17/14 1440

Received by: (signature)

Date/Time: 2.17.14 13:00

Relinquished by: (signature)

Date/Time:

Received by: (signature)

Date/Time:

Turnaround \*\*

☐ 7-Day

☒ 10-Day

☐ Other

RUSH \*

☐ \*24-Hr ☐ \*48-Hr

☐ \*72-Hr ☐ \*4-Day

\*Approval Required

Special Requirements

Regulations:

Data Enhancement/RCP? ☐ Y ☐ N

Enhanced Data Package ☐ Y ☐ N

(Surcharge Applies)

Required Detection Limits:

Other:

\*Matrix Code:

SG= SOIL GAS

IA= INDOOR AIR

AMB=AMBIENT

SS= SUB SLAB

D= DUP

BL= BLANK

O= other

\*\*Media Codes:

S=summa can

TB=tedlar bag

P=PUF

T=tube

F= filter

C=cassette

O= Other

ANALYSIS REQUESTED

TO-15 (PCE, TCE, CIS-1,2-DCE, trans-1,2-DCE, VC, Chloroform, MDEA)

"Hg

Please fill out completely, sign, date and retain the yellow copy for your record

Summa canisters a flow controllers must be returned within 14 days of receipt or rental will apply.

Summa canisters will be retained for a minimum of 14 days after sampling date prior to cleaning.

Summa Canister ID

Flow Control ID

\*\* TURNAROUND TIME STARTS AT 9:00 A.M. THE DAY AFTER SAMPLE RECEIPT UNLESS THERE ARE QUESTIONS ON YOUR CHAIN. IF THIS FORM IS NOT FILLED OUT COMPLETELY OR IS INCORRECT, TURNAROUND TIME WILL NOT START UNTIL ALL QUESTIONS ARE ANSWERED BY OUR CLIENT.



797908013670

Ship (D/U) date  
**Mon 2/17/2014**  
 Allentown, PA US



**Delivered**  
 Signed for by: CC CHUBBS

Actual delivery:  
**Wed 2/19/2014 1:00 pm**  
 EAST LONGMEADOW, MA US

■ 2 Piece shipment

### Travel History

Date/Time	Activity	Location
- 2/19/2014 - Wednesday		
1:00 pm	Delivered	EAST LONGMEADOW, MA
4:45 am	On FedEx vehicle for delivery	CHICOPPEE, MA
4:35 am	At local FedEx facility	CHICOPPEE, MA
2:25 am	Departed FedEx location	WILINGTON, CT
12:09 am	Arrived at FedEx location	WILINGTON, CT
- 2/18/2014 - Tuesday		
10:23 am	Departed FedEx location	LEWISBURG, PA
- 2/17/2014 - Monday		
11:12 pm	Arrived at FedEx location	LEWISBURG, PA
7:04 pm	Left FedEx origin facility	DUNGANSVILLE, PA
5:49 pm	Arrived at FedEx location	DUNGANSVILLE, PA
4:00 pm	Picked up	DUNGANSVILLE, PA
- 2/13/2014 - Thursday		
10:34 am	Shipment information sent to FedEx	

Local Scan Time

### Shipment Facts

Tracking number	797908013670	Service	FedEx Ground
Reference	PO 18399	Master tracking number	797908013670
Weight	32 lbs	Dimensions	22x19x13 in
Total pieces	2	Total shipment weight	48 lbs / 21.8 kgs
Packaging	Package		

Login Sample Receipt Checklist(Rejection Criteria Listing - Using Sample Acceptance Policy)Any False statement will be brought to the attention of Client

<u>Question</u>	<u>Answer (True/False)</u>		<u>Comment</u>
	<u>T/F/NA</u>		
1) The cooler's custody seal, if present, is intact.	NA		
2) The cooler or samples do not appear to have been compromised or tampered with.	NA		
3) Samples were received on ice.	NA		
4) Cooler Temperature is acceptable.	NA		
5) Cooler Temperature is recorded.	NA		
6) COC is filled out in ink and legible.	T		
7) COC is filled out with all pertinent information.	T		
8) Field Sampler's name present on COC.	T		
9) There are no discrepancies between the sample IDs on the container and the COC.	T		
10) Samples are received within Holding Time.	T		
11) Sample containers have legible labels.	T		
12) Containers are not broken or leaking.	T		
13) Air Cassettes are not broken/open.	NA		
14) Sample collection date/times are provided.	T		
15) Appropriate sample containers are used.	T		
16) Proper collection media used.	T		
17) No headspace sample bottles are completely filled.	NA		
18) There is sufficient volume for all requested analyses, including any requested MS/MSDs.	T		
19) Trip blanks provided if applicable.	NA		
20) VOA sample vials do not have head space or bubble is <6mm (1/4") in diameter.	NA		
21) Samples do not require splitting or compositing.	T		

Doc #278 Rev. 4 January 2014

Who notified of False statements?

Log-In Technician Initials: PB

Date/Time:

Date/Time: 2.19.14

13:00





www.contestlabs.com



Page 1 of 2

39 Spruce St.  
East Longmeadow, MA.  
01028  
P: 413-525-2332  
F: 413-525-6405

## AIR Only Receipt Checklist

CLIENT NAME: A Hamont Env. RECEIVED BY: PB DATE: 2.19.14

1) Was the chain(s) of custody relinquished and signed? ☒ Yes ☐ No

2) Does the chain agree with the samples? ☒ Yes ☐ No

If not, explain:

3) Are all the samples in good condition? ☒ Yes ☐ No

If not, explain:

4) Are there any samples "On Hold"? Yes ☒ No ☐ Stored where:

5) Are there any RUSH or SHORT HOLDING TIME samples? Yes ☒ No ☐

Who was notified \_\_\_\_\_ Date \_\_\_\_\_ Time \_\_\_\_\_

6) Location where samples are stored:

Permission to subcontract samples? Yes ☐ No ☐  
(Walk-in clients only) if not already approved  
Client Signature: \_\_\_\_\_

7) Number of cans Individually Certified or Batch Certified?

Containers received at Con-Test		
	# of Containers	Types (Size, Duration)
Summa Cans (TO-14/TO-15/APH)	5	6 Lit
Tedlar Bags		
TO-17 Tubes		
Regulators	5	30 min
Restrictors		
Hg/Hopcalite Tube (NIOSH 6009)		
(TO-4A/ TO-10A/TO-13) PUFs		
PCB Florisil Tubes (NIOSH 5503)		
Air cassette		
PM 2.5/PM 10		
TO-11A Cartridges		
Other		

Unused Summas/PUF Media:

Unused Regulators:

1) Was all media (used & unused) checked into the WASP?

2) Were all returned summa cans, Restrictors & Regulators and PUF's documented as returned in the Air Lab Inbound/Outbound Excel Spreadsheet?

Laboratory Comments: 1061 1699 4195 4178  
1826 1034 4196 4179  
1163 4174