



REPORT OF INDOOR AIR QUALITY ASSESSMENT

ATHERTON MILL PROPERTY
2000, 2100, 2130 & 2140 SOUTH BOULEVARD
CHARLOTTE, MECKLENBURG COUNTY, NORTH CAROLINA

Prepared for:

ATHERTON MILL (E&A), LLC
1221 MAIN STREET, SUITE 1000
COLUMBIA, SOUTH CAROLINA 29201

Prepared By:

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.
2801 YORKMONT ROAD, SUITE 100
CHARLOTTE, NORTH CAROLINA 28208

AUGUST 6, 2013

AMEC PROJECT: 6228-12-0051



August 6, 2013

Ms. Carolyn Minnich, Brownfields Project Manager
North Carolina Department of Environment and Natural Resources
Division of Waste Management
Brownfields Program
1646 Mail Service Center
Raleigh, North Carolina 27699-1646

**Subject: Transmittal Letter
Report of Indoor Air Quality (IAQ) Assessment
Atherton Mill Property
2000, 2100, 2130 & 2140 South Boulevard
Charlotte, Mecklenburg County, North Carolina
Brownfields Project Number: 10047-06-60
AMEC Project: 6228-12-0051**

Dear Ms. Minnich:

On behalf of Atherton Mill (E&A), LLC, AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to present this report for the Atherton Mill Property located in Charlotte, North Carolina (subject property) to the North Carolina Department of Environment and Natural Resources (NCDENR) relating to the activities proposed in AMEC's Work Plan (dated April 8, 2013) and approved by NCDENR on April 10 and June 28, 2013. Edens Limited Partnership approved the scope of work on April 16 and July 9, 2013. Documents reflecting these approvals are provided as Attachment A.

We appreciate your review of this report. Please contact the undersigned at (704) 357-8600 if you have questions.

Sincerely,

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

Andrew J. Frantz, AEP
Project Environmental Scientist

Robert C. Foster, LG
Associate Geologist

ATTACHMENTS:

FIGURE 1 – Indoor Air Quality Sampling Locations

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TABLE 2 – Hourly Weather Observations (July 16, 2013)

TABLE 3 – Summary of Temperature/Relative Humidity Measurements (July 16, 2013)

TABLE 4 – Summary of Indoor Air Analytical Results

ATTACHMENT A – Work Plan/Proposals/E-mail Approval

ATTACHMENT B – Laboratory Analytical Reports and Chain-of-Custody Forms



August 6, 2013

Mr. Jude Peck
Atherton Mill (E&A), LLC
1221 Main Street, Suite 1000
Columbia, South Carolina 29201

Subject: **Report of Indoor Air Quality Assessment
Atherton Mill Property
2000, 2100, 2130 & 2140 South Boulevard
Charlotte, Mecklenburg County, North Carolina
Brownfields Project Number: 10047-06-60
AMEC Project: 6228-12-0051**

Dear Mr. Peck:

As authorized by your acceptance of our Proposal (Prop13chltev55A, dated July 1, 2013), AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to submit this *Report of Indoor Air Quality Assessment*. This report includes a description of the field activities, the results obtained, and AMEC's conclusions.

AMEC appreciates the continued opportunity to provide our environmental consulting services. If you have questions concerning this report or this project, please contact us at 704-357-8600.

Sincerely,

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

A handwritten signature in black ink, appearing to read "Andrew J. Frantz".

Andrew J. Frantz, AEP
Project Environmental Scientist

A handwritten signature in blue ink, appearing to read "Robert C. Foster III".

Robert C. Foster, LG
Associate Geologist

Cc: Ms. Amanda Short, McGuireWoods, LLP

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1. SITE HISTORY AND CHARACTERIZATION

The 9.78-acre subject property (subject property) is located at 2000 (Building 1), 2100 (Building 2), 2130 (Building 3) & 2140 (Building 4) South Boulevard in Charlotte, North Carolina and consists of Mecklenburg County Tax Parcel 121-031-09. A site layout is depicted on **Figure 1**. The subject property contains four commercial buildings. According to the Mecklenburg County Property Ownership and Land Records Information System (POLARIS), an approximately 58,959-square foot commercial building (Building 1) constructed in 1908 at 2000 South Boulevard, an approximately 41,166-square foot commercial building (Building 2) constructed in 1940 at 2100 South Boulevard, an approximately 12,422-square foot commercial building (Building 3) constructed in 1962 at 2130 South Boulevard and an approximately 6,255-square foot commercial building (Building 4) constructed in 1932 at 2140 South Boulevard occupy the site (**Figure 1**). Remaining portions of the site consist of asphalt-paved driveway and parking areas and grass covered areas. The site is currently occupied by office retail and restaurant space.

According to the draft Brownfields Agreement for the subject property, in the early 1900's, the Parks-Cramer Company initially developed 4.5-acres of the subject property at the corner of South Boulevard and West Tremont Avenue (2000 South Boulevard). The Parks-Cramer Company manufactured products that included humidity control equipment for textile mills. Later, the Parks-Cramer Company manufactured and restored air handling equipment and hoisting systems for the textile industry.

The Parks-Cramer Company expanded its holdings to the southern portion of the subject property in the 1960's and 1970's. In 1962, it commenced operation of a vapor degreasing unit for cleaning and preparation of metal parts prior to paint application at the northern portion of the subject property. Initially, trichloroethene was used as the solvent in the degreasing process, with 1,1,1-trichloroethane replacing it in 1976.

In 1988, the Parks-Cramer Company sold its manufacturing operation to Flakt, Inc. The property operated under a lease until December 1992, when South Boulevard Properties, Inc. became the owner of the subject property. In 1993, Building 1 was renovated for use of office, restaurant and retail space. Atherton Mills (E&A), LLC purchased the subject property on September 7, 2006.

The most recent groundwater sampling at the subject property reportedly occurred in June 2004. The highest concentrations of the Volatile Organic Compounds (VOCs) reported in June 2004 were: 1,1-dichloroethene - 26,000 µg/L, 1,1-dichloroethane – 840 µg/L, cis-1,2-dichloroethene – 1,200 µg/L, 1,1,1-trichloroethane – 16,000 µg/L, trichloroethene (TCE) – 250,000 µg/L and tetrachloroethene (PCE) – 10,000 µg/L.

In October 2012, AMEC collected the sub-slab vapor samples in general accordance with the “*DRAFT Vapor Intrusion Guidance, NCDENR Brownfields Program*”, dated March 2012, “*Supplemental Guidelines for the Evaluation of Structural Vapor Intrusion Potential for Site Assessments and Remedial Actions Under the Inactive Hazardous Sites Branch*”, dated June 21, 2011 and “*Section 3.0 of the “Assessment of Vapor Intrusion in Homes near the Raymark Superfund Site Using Basement and Sub-Slab Air Samples”*” at the subject property.

Portions of the property are currently frequented by children and have the potential in the future to be frequented by children. Therefore, the applicable IHSB acceptable soil-gas concentrations are the IHSB Residential Soil-Gas Concentrations. The laboratory analysis of the twelve sub-slab soil-gas samples identified maximum concentrations of chloroform (26.1 µg/m³), 1,1-dichloroethene (10,500 µg/m³), naphthalene (197 µg/m³), PCE (30,200 µg/m³), TCE (94,600 µg/m³) and 1,2,4-trimethylbenzene (43.2 µg/m³) in various samples which exceeded their respective NCDENR IHSB Residential Acceptable Soil-Gas concentrations. Based on the laboratory results, AMEC recommended indoor air quality (IAQ) sampling be conducted at the subject property. The first IAQ sampling event was performed by AMEC in April 2013. Based on the results obtained, Ms. Carolyn Minnich of the NCDENR Brownfields Program requested that a second IAQ sampling event be performed. This report details the results of both sampling events.

2. INDOOR AIR QUALITY SAMPLING ACTIVITIES

AMEC collected the indoor air quality samples in general accordance with the previously selected six locations (IA-1 through IA-6, sampled on April 30, 2013 and IA-1' through IA-6', sampled on July 16, 2013) which were based on the previous sub-slab soil-gas samples (Figure 1).

- IA-1 and IA-1' – Unit 45 (vacant at time of sampling), located near the center of the unit;
- IA-2 and IA-2' – Atherton Mill Market (Unit 60), located near the building's center;
- IA-3 and IA-3' – Unit 80 (vacant at the time of sampling), located near the eastern corner of the unit;
- IA-4 and IA-4' – Electrical closet (adjacent to Unit 85). The closet is not typically occupied by persons;
- IA-5 and IA-5' – Janitorial storage closet (adjacent to Unit 160). The closet is not typically occupied by persons; and
- IA-6 and IA-6' – Basement located beneath Unit 140. The basement area is not typically occupied by persons.

In addition, background samples (IA-7 and IA-7') were collected outside, at a location generally upwind of the facility on April 30 and July 16, 2013. Early on each sampling date, the wind direction ranged from east-northeast to north (Tables 1 and 2). Therefore, the samples were collected outside near the northeastern building corner (Figure 1).

Unit 45 was vacant at the time of collection of samples IA-1 and IA-1'. Unit 45 consists of approximately 6,516-square feet and closed conditions were observed during the sample collection period with the HVAC system off and the windows and doors closed during both 8-hour sampling periods.

Unit 60 was occupied by the Atherton Mill Market at the time of collection of samples IA-2 and IA-2'. Unit 60 consists of approximately 71,810-square feet and closed conditions were not completely observed during the sample collection period. While no HVAC

system is present in Unit 60, the doors were open to the general public as the sample collection period coincided with normal business hours of the Atherton Mill Market.

Unit 80 was vacant at the time of collection of samples IA-3 and IA-3'. Unit 80 consists of approximately 7,454-square feet and closed conditions were observed during the sample collection period with the HVAC system off and the windows and doors closed during both 8-hour sampling periods.

The electrical closet (sample IA- and IA-4') and the janitorial storage closet (sample IA-5 and IA-5') remained closed during both 8-hour sampling periods.

The basement located beneath Unit 140 was vacant at the time of collection of samples IA-6 and IA-6'. The basement consists of approximately 1,500-square feet and closed conditions were observed during the sample collection periods. No HVAC system is present in the basement and the openings to the outdoors were closed during both 8-hour sampling periods.

The sampling scope included the following items:

- AMEC personnel selected the indoor air sample locations based on accessibility, previous assessment results and known site activities;
- Each sample was collected from the normal breathing level, two to five feet above the floor;
- The samples were collected over an 8-hour time period on April 30 and July 16, 2013;
- Each sample was collected into a Summa canister at a flow rate of approximately 12.5 mL/min (8-hour sample time) and submitted to a North Carolina certified laboratory for analysis;
- The outdoor air samples (IA-7 and IA-7') were collected approximately upwind of the on-site building and was used as background samples;
- Indoor relative humidity and temperature readings were recorded at each sampling location during the July 16, 2013 sampling event;
- The outdoor air samples were collected over the same 8-hour time period into a Summa canister at a flow rate of approximately 12.5 mL/min; and

- The Summa canisters were submitted to a laboratory for analysis of VOCs via EPA Method TO-15.

Hourly weather observations for the weather station at the Charlotte Douglas International Airport (KCLT) (approximately 4.3 miles west from the subject property) were obtained from Weather Underground for both sampling dates. A summary of the hourly weather data for April 30 and July 16, 2013 obtained from Weather Underground is provided in **Tables 1 and 2**, respectively.

On July 16, 2013, AMEC personnel collected temperature and relative humidity readings at the individual sample locations using a Testo 445 meter. During the eight hour sample collection period the average temperature at IA-1' was 83.1 °F, at IA-2' was 85.0 °F, at IA-3' was 86.3 °F, at IA-4' was 77.3 °F, at IA-5' was 77.6 °F, at IA-6' was 76.4 °F and at IA-7' was 87.0 °F. The average relative humidity during the sample collection period at IA-1' was 62.8 %, at IA-2' was 59.5 %, at IA-3' was 66.8 %, at IA-4' was 44.5 %, at IA-5' was 45.1 %, at IA-6' was 75.9 % and at IA-7' was 52.6 %. A summary of the temperature and relative humidity readings collected is provided in **Table 3**.

3. INDOOR AIR QUALITY SAMPLING RESULTS

The results of the IAQ analysis for the April and July sampling events are summarized on **Table 4**. A copy of the laboratory report is attached. The analysis identified several VOCs in each of the indoor air samples collected as well as the “Background” samples.

Most notably:

- 4/30/13 – Benzene was identified in samples IA-4 (the electrical closet) and IA-7 (outdoor air sample) at concentrations (2.3 and 2.0 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 1.6 $\mu\text{g}/\text{m}^3$. Benzene was also identified in samples IA-1 (vacant unit), IA-3 (vacant unit) and IA-6 (basement) at concentrations that exceeded the IHSB Residential Acceptable Indoor Air Concentration of 0.31 $\mu\text{g}/\text{m}^3$;
- 7/16/13 – Benzene was identified in samples IA-1', IA-2', IA-3' and IA-5' at concentrations which exceeded the IHSB Residential Acceptable Indoor Air Concentration of 0.31 $\mu\text{g}/\text{m}^3$. No concentrations of benzene identified in the samples from July 16, 2013 exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 1.6 $\mu\text{g}/\text{m}^3$;
- 4/30/13 – Naphthalene was identified in samples IA-3 (vacant unit), IA-4 (the electrical closet) and IA-5 (janitorial storage closet) at concentrations (42.6, 33.2 and 2.0 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air concentration of 0.36 $\mu\text{g}/\text{m}^3$;
- 7/16/13 – Naphthalene was identified in samples IA-1', IA-3', IA-4', IA-5', IA-6' and background sample IA-7' at concentrations that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air concentration of 0.36 $\mu\text{g}/\text{m}^3$. The concentrations identified in the samples from July 16, 2013 showed an increase from the April 30, 2013 concentrations;
- 4/30/13 – TCE was identified in samples IA-4 (the electrical closet), IA-5 (janitorial storage closet) and IA-7 (outdoor air sample) at concentrations (2.5, 2.4 and 6.8 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 1.76 $\mu\text{g}/\text{m}^3$;
- 7/16/13 – TCE was identified in samples IA-1', IA-2', IA-3', IA-4', IA-5, IA-6' and background sample IA-7' at concentrations that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 1.76 $\mu\text{g}/\text{m}^3$. The concentrations identified in the samples from July 16, 2013 showed an increase from the April 30, 2013 concentrations;
- 4/30/13 – Chloroform was identified in sample IA-1 (vacant unit) at a concentration (2.6 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 0.53 $\mu\text{g}/\text{m}^3$; and

- 7/16/13 – Chloroform was identified in sample IA-1' at a concentration of 4.4 $\mu\text{g}/\text{m}^3$ that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 0.53 $\mu\text{g}/\text{m}^3$.

4. CONCLUSIONS

AMEC notes the following distinctions between the data obtained in each (April and July 2013) sampling event:

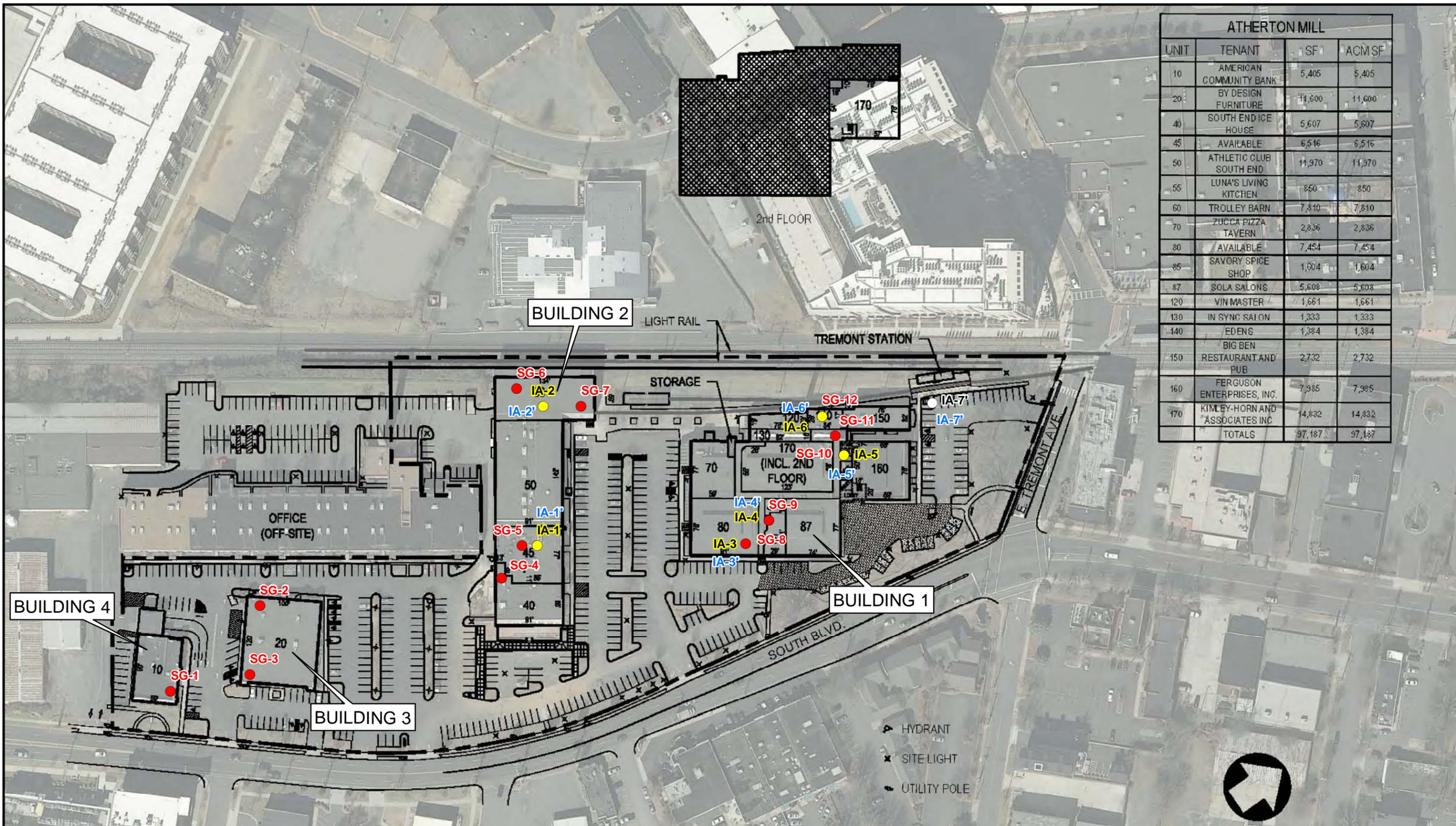
- Detectable concentrations of naphthalene were identified in samples IA-1', IA-6' and IA-7' (July). Analysis of samples from these same locations (April) did not identify naphthalene;
- A detectable concentration of 1,2 Dichloroethane (1,2-DCA) was identified in sample IA-5' (July). Analysis of a sample from this same location (April) did not identify (1,2-DCA);
- A detectable concentration of ethylbenzene was identified in sample IA-5' (July). Analysis of a sample from this same location (April) did not identify ethylbenzene;
- Detectable concentrations of TCE were identified in samples IA-1', IA-2', IA-3' and IA-6' (July). Analysis of samples from these same locations (April) did not identify TCE;
- The identified concentrations of 1,2,4-Trimethylbenzene and naphthalene at sample locations IA-3/IA-3', IA-4/IA-4' and IA-5/IA-5' increased from the April to the July sampling event; and
- The identified concentrations of TCE at sample locations IA-4/IA-4', IA-5/IA-5' and IA-7/IA-7' increased from the April to the July sampling event.

AMEC notes the following areas of potential exposure based on the analytical data obtained:

- The occurrence of naphthalene in sample IA-3 (April 2013) and IA-1', IA-3' (July 2013) at concentrations in excess of the Industrial/Commercial Acceptable Indoor Air Concentration may represent the potential for exposure to occupants. However, these spaces were vacant when sampled. The indoor air concentration would likely be reduced if the HVAC is operating as will be the case if this space is "occupied". The occurrence of naphthalene in samples IA-4, IA-5 and IA-6' at concentrations in excess of the Industrial/Commercial Acceptable Indoor Air Concentration will not likely represent the potential for exposure to occupants because persons do not occupy the closets or basement;
- Because portions of the property are visited by children and have the potential in the future to be frequented by children, the applicable IHSB acceptable soil-gas concentrations are the IHSB Residential Soil-Gas Concentrations. However, the areas represented by samples IA-4/IA-4' and IA-5/IA-5' consist of storage closets which are not likely to be visited by children;

- The occurrence of TCE in sample IA-2' (July 2013) at a concentration in excess of the Industrial/Commercial Acceptable Indoor Air Concentration may represent the potential for exposure to occupants; and
- The occurrence of benzene and TCE in samples IA-1 and IA-3 represent air quality conditions at a point in time when these spaces were vacant. The indoor air benzene concentration in these areas would likely be reduced if the HVAC is operating as will be the case if this space is "occupied". The occurrence of TCE in samples IA-4/IA-4', IA-5/IA-5' and IA-6/IA-6' at concentrations in excess of the Industrial/Commercial Acceptable Indoor Air Concentration will not likely represent the potential for exposure to occupants because persons do not occupy the closets or basement.

FIGURE



ATHERTON MILL			
UNIT	TENANT	SF	ACM SF
10	AMERICAN COMMUNITY BANK	5,405	5,405
20	BY DESIGN FURNITURE	11,600	11,600
40	SOUTH END ICE HOUSE	5,607	5,607
45	AVAILABLE	6,516	6,516
50	ATHLETIC CLUB SOUTH END	11,970	11,970
55	LUNA'S LIVING KITCHEN	850	850
60	TROLLEY BARN	7,810	7,810
70	ZUCCA PIZZA TAVERN	2,836	2,836
80	AVAILABLE	7,454	7,454
85	SAVORY SPICE SHOP	1,604	1,604
87	SOLA SALONS	5,608	5,608
120	VIN MASTER	1,661	1,661
130	IN SYNC SALON	1,333	1,333
140	EDENS	1,384	1,384
150	BIG BEN RESTAURANT AND PUB	2,732	2,732
160	FERGUSON ENTERPRISES, INC.	7,985	7,985
170	KIMLEY-HORN AND ASSOCIATES INC	14,832	14,832
TOTALS		97,187	97,187

Source: http://imagery.nconemap.com/arcgis/services/2010_Orthoimagery/ImageServer

SG-1 ● Sub-Slab Vapor Samples, October 10, 2012 IA-2 ● Indoor Air Sampling Location, July 16, 2013
 IA-2 ● Indoor Air Sampling Location, April 30, 2013 IA-7 ○ Background Air Sample Location



IAQ SAMPLING LOCATIONS
ATHERTON MILL PROPERTY
 2000, 2100, 2130 & 2140 SOUTH BOULEVARD
 CHARLOTTE, NORTH CAROLINA

PREPARED BY AJF DATE 5/30/13 CHECKED BY RCF DATE 5/30/13 JOB NUMBER 6228-12-0051 FIGURE 1

TABLES

Table 1: Hourly Weather Observations (April 30, 2013)
Atherton Mill Property
Charlotte, North Carolina
AMEC Project: 6228-12-0051

Time (EST)	Temperature (°F)	Pressure (in. of Hg)	Wind Speed (mph)	Wind Direction	Precipitation (in.)
8:52	62.1	30.08	6.9	ENE	0.0
9:52	63.0	30.09	5.8	NNE	0.0
10:52	64.9	30.10	5.8	ENE	0.0
11:52	64.0	30.11	8.1	NE	0.0
12:52	66.0	30.10	8.1	ENE	0.0
13:52	66.9	30.10	6.9	E	0.0
14:52	69.8	30.10	9.2	E	0.0
15:52	71.1	30.06	9.2	E	0.0
16:52	73.9	30.06	4.6	NNE	0.0
17:52	73.0	30.09	11.5	ENE	0.0
18:52	69.1	30.11	10.4	NE	0.0
19:52	66.0	30.12	11.5	ENE	0.0
Average	67.5	30.09	8.17	ENE	0.0

Notes:

1. Data collected at Charlotte Douglas International Airport (KCLT)
2. Data obtained from Weather Underground (www.wunderground.com)
3. EST = Eastern Standard Time
4. °F = Degrees Fahrenheit
5. in. of Hg = Inches of Mercury
6. mph = Miles per hour
7. in. = Inches

Prepared By/Date: AJF 5/3/13

Checked By/Date: MDF 5/30/13

Table 2: Hourly Weather Observations (July 16, 2013)
Atherton Mill Property
Charlotte, North Carolina
AMEC Project: 6228-12-0051

Time (EST)	Temperature (°F)	Relative Humidity (RH%)	Pressure (in. of Hg)	Wind Speed (mph)	Wind Direction	Precipitation (in.)
7:52	75.0	87	30.30	0.0	--	0.0
8:52	79.0	79	30.31	4.6	N	0.0
9:52	82.0	71	30.30	5.8	NW	0.0
10:52	84.0	67	30.30	4.6	NNW	0.0
11:52	86.0	61	30.30	0.0	--	0.0
12:52	87.1	59	30.29	6.9	N	0.0
13:52	90.0	52	30.27	4.6	NNE	0.0
14:52	90.0	48	30.25	5.8	NNW	0.0
15:52	90.0	48	30.24	0.0	--	0.0
16:52	91.0	47	30.23	4.6	N	0.0
17:52	91.0	47	30.22	5.8	NW	0.0
18:52	91.0	47	30.22	3.5	N	0.0
Average	86.3	59.4	30.27	3.85	N	0.0

Notes:

1. Data collected at Charlotte Douglas International Airport (KCLT)
2. Data obtained from Weather Underground (www.wunderground.com)
3. EST = Eastern Standard Time
4. °F = Degrees Fahrenheit
5. in. of Hg = Inches of Mercury
6. mph = Miles per hour
7. in. = Inches

Prepared By/Date: AJF 7/19/13

Checked By/Date: RCF 8/6/13

Table 3: Summary of Temperature/Relative Humidity Measurements (July 16, 2013)
Atherton Mill Property
Charlotte, North Carolina
AMEC Project: 6228-12-0051

Sample ID	Time	Temperature at Sample Location (°F)	Relative Humidity at Sample Location (RH%)
IA-1'	9:20	78.5	65.6
	11:39	81.7	66.8
	14:56	84.7	60.2
	17:20	87.4	58.6
	Average	83.1	62.8
IA-2'	9:35	79.2	73.1
	11:42	84.4	61.4
	15:01	88.7	52.3
	17:35	87.8	51.0
	Average	85.0	59.5
IA-3'	9:45	81.5	66.6
	11:30	86.9	58.3
	14:45	87.5	68.6
	17:45	89.4	73.5
	Average	86.3	66.8
IA-4'	9:53	79.7	43.3
	11:32	77.6	43.7
	14:37	77.2	44.6
	17:53	74.8	46.3
	Average	77.3	44.5
IA-5'	10:00	77.6	44.3
	11:35	78.6	43.9
	14:32	79.3	43.1
	18:00	75.0	48.9
	Average	77.6	45.1
IA-6'	11:10	78.1	71.7
	12:35	77.6	75.4
	15:18	75.2	77.2
	19:10	74.8	79.3
	Average	76.4	75.9
IA-7'	8:15	81.0	63.4
	11:15	86.4	58.2
	14:19	90.1	45.1
	16:15	90.4	43.8
	Average	87.0	52.6

Notes:

1. Measurements collected using a Testo 445 meter.

Prepared By/Date: AJF 7/19/13

Checked By/Date: RCF 8/6/13

Table 4: Summary of Indoor Air Analytical Results
Atherton Mill Property
Charlotte, North Carolina
AMEC Project: 6228-12-0051

Constituent	IA-1	IA-1'	IA-2	IA-2'	IA-3	IA-3'	IA-4	IA-4'	IA-5	IA-5'	IA-6	IA-6'	IA-7	IA-7'	IHSB Residential Acceptable Indoor Air Concentrations	IHSB Industrial/Commercial Acceptable Indoor Air Concentrations
	Date Sample Collected	4/30/2013	7/16/2013	4/30/2013	7/16/2013	4/30/2013	7/16/2013	4/30/2013	7/16/2013	4/30/2013	7/16/2013	4/30/2013	7/16/2013	4/30/2013		
Acetone	10.0	19.7	3.0	5.6	18.7	42.4	206	247	23.8	92.4	4.7	17.6	143	8.9	6,400	28,000
Benzene	0.90	0.58	<0.73	0.81	0.91	1.1	2.3	<0.45	<0.55	0.83	0.65	<0.45	2.0	<1.1	0.31	1.6
Bromomethane	<1.3	<1.1	<1.8	<1.1	<1.3	<1.1	<1.3	<1.1	<1.3	<1.1	<1.3	<1.1	<1.4	<2.7	NSL	NSL
2-Butanone (MEK)	3.8	9.3	<1.3	3.5	3.4	7.5	9.4	6.2	<1.0	4.9	1.6	5.9	6.5	2.7	1,000	4,400
Carbon disulfide	1.6	<0.88	<1.4	1.3	<1.1	<0.91	<1.0	<0.88	<1.1	<0.88	<1.0	<0.88	<1.1	<2.1	150	620
Carbon tetrachloride	<1.1	<0.89	<1.4	<0.89	<1.1	<0.92	<1.0	<0.89	<1.1	<0.89	<1.0	<0.89	<1.1	<2.2	0.41	2
Chloroethane	<0.91	<0.75	<1.2	<0.75	<0.91	<0.78	<0.87	<0.75	<0.91	<0.75	<0.87	<0.75	<0.94	<1.8	NSL	NSL
Chloroform	2.6	4.4	<2.2	<1.4	<1.7	<1.4	<1.6	<1.4	<1.7	<1.4	<1.6	<1.4	<1.7	<3.3	0.11	0.53
Chloromethane	1.3	0.98	<0.94	1.4	1.1	1.4	<0.68	<0.58	<0.71	1.2	<0.68	0.95	1.3	<1.4	19	78
Cyclohexane	<1.2	<0.97	<1.6	<0.97	<1.2	<1.0	<1.1	<0.97	<1.2	<0.97	<1.1	<0.97	<1.2	<2.4	NSL	NSL
1,4-Dichlorobenzene	<2.0	<1.7	<2.7	<1.7	<2.0	<1.8	<2.0	<1.7	<2.0	<1.7	<2.0	<1.7	<2.1	<4.1	0.22	1.1
Dichlorodifluoromethane	3.2	2.0	<3.9	2.1	4.0	<1.5	3.8	6.5	<1.7	<1.4	<2.8	1.6	3.4	<3.4	20	88
1,1-Dichloroethane	<1.4	<1.1	<1.8	<1.1	<1.4	<1.2	<1.3	<1.1	<1.4	<1.1	<1.3	<1.1	<1.4	<2.8	1.5	7.7
1,2-Dichloroethane	<0.69	<0.57	<0.92	<0.57	<0.69	<0.59	<0.66	<0.57	<0.69	0.96	<0.66	<0.57	<0.72	<1.4	0.094	0.47
1,1-Dichloroethene	<1.4	<1.1	<1.8	<1.1	<1.4	<1.2	<1.3	<1.1	<1.4	<1.1	<1.3	1.2	<1.4	<2.7	42	176
cis-1,2-Dichloroethene	<1.4	<1.1	<1.8	<1.1	<1.4	<1.2	<1.3	<1.1	<1.4	3.6	<1.3	<1.1	<1.4	<2.7	NSL	NSL
trans-1,2-Dichloroethene	<1.4	<1.1	<1.8	<1.1	<1.4	<1.2	<1.3	<1.1	<1.4	<1.1	<1.3	<1.1	<1.4	<2.7	13	52
Ethyl acetate	<1.2	1.3	<1.6	<1.0	<1.2	2.9	4.2	<1.0	<1.2	4.7	<1.2	2.4	<1.3	<2.5	NSL	NSL
Ethylbenzene	<1.5	<1.2	<2.0	<1.2	<1.5	1.7	<1.4	3.5	<1.5	6.8	<1.4	3.9	<1.5	<3.0	0.97	4.9
4-Ethyltoluene	<1.7	<1.4	<2.2	<1.4	2.1	9.9	2.4	7.7	<1.7	10.2	<1.6	<1.4	<1.8	<3.4	NSL	NSL
n-Heptane	<1.4	1.2	<1.9	<1.2	<1.2	1.9	<1.3	<1.2	<1.4	3.2	<1.3	<1.2	<1.5	<2.8	NSL	NSL
n-Hexane	<1.2	1.4	<1.6	3.2	9.1	4.0	53.8	1.5	<1.2	2.1	6.5	1.4	26.1	<2.4	150	620
2-Hexanone	<1.4	1.8	<1.9	<1.2	<1.4	<1.2	<1.3	<1.2	<1.4	<1.2	<1.3	1.7	<1.5	<2.8	NSL	NSL
Methylene Chloride	1.6	<0.99	14.3	47.4	23.0	37.8	162	4.5	<1.2	1.7	90.3	10.1	35.3	2.5	96	530
4-Methyl-2-pentanone (MIBK)	<1.4	1.4	<1.9	<1.2	<1.4	1.3	<1.3	2.0	<1.4	1.5	<1.3	<1.2	<1.5	<2.8	620	2,600
Naphthalene	<1.8	5.8	<2.4	<1.5	42.6	148	33.2	95.0	2.0	44.0	<1.7	5.4	<1.9	6.5	0.072	0.36
Styrene	<1.5	1.4	<1.9	<1.2	<1.5	<1.3	<1.4	2.8	<1.5	1.8	<1.4	<1.2	<1.5	<2.9	200	880
Tetrachloroethene (PCE)	<1.2	<0.96	<1.5	<0.96	<1.2	<0.99	<1.1	<0.96	<1.2	1.4	<1.1	<0.96	<1.2	<2.3	8.3	0.21
Tetrahydrofuran	<1.0	<0.83	<1.3	<0.83	<1.0	<0.86	<0.97	<0.83	<1.0	<0.83	<0.97	<0.83	<1.0	<2.0	NSL	NSL
Toluene	2.7	2.7	<1.7	5.6	1.9	7.5	4.2	17.6	<1.3	6.1	1.5	3.0	3.0	8.6	1,000	4,400
1,2,4-Trichlorobenzene	<2.5	<2.1	<3.4	<2.1	<2.5	<2.2	<2.4	<2.1	<2.5	<2.1	<2.4	<2.1	<2.6	<5.1	0.42	1.76
1,1,1-Trichloroethane	<1.9	<1.5	17.5	<1.5	<1.9	<1.6	<1.8	<1.5	<1.9	<1.5	<1.8	<1.5	<1.9	3.7	1,000	4,400
Trichloroethene (TCE)	<0.92	61.7	<1.2	4.7	<0.92	24.3	2.5	45.3	2.4	1,760	<0.89	26.8	6.8	16.0	0.42	1.76
Trichlorofluoromethane	<1.9	<1.6	<2.6	1.7	<1.9	1.7	<1.8	3.8	<1.9	<1.6	<1.8	<1.6	<2.0	<3.8	150	620
1,2,4-Trimethylbenzene	<1.7	1.4	<2.2	<1.4	5.9	27.2	4.4	14.6	2.0	13.6	<1.6	2.5	<1.7	<3.4	1.5	6.2
1,3,5-Trimethylbenzene	<1.7	<1.4	<2.2	<1.4	1.9	8.1	<1.6	5.4	<1.7	7.2	<1.6	<1.4	<1.7	<3.4	NSL	NSL
m&p-Xylene	<3.0	<2.4	<3.9	<2.4	<3.0	6.7	4.1	13.0	4.6	25.7	<2.8	16.7	<3.1	<5.9	20	88
o-Xylene	<1.5	<1.2	<2.0	<1.2	<1.5	3.1	1.4	4.5	<1.5	9.7	<1.4	5.7	<1.5	<3.0	20	88

Notes:

1. Concentrations shown in µg/m³
2. IHSB = Inactive Hazardous Sites Branch
3. NSL = No standard listed
4. Bold values indicate a concentration exceeding the laboratory reporting limit.
5. Shaded values indicate a concentration exceeding the IHSB Residential Acceptable Indoor Air Concentration.
6. Blue shaded values indicate a concentration exceeding the IHSB Industrial/Commercial Acceptable Indoor Air Concentration.
7. THC = Total Hydrocarbons
8. Samples IA-7 and IA-7' collected from an outdoor, upwind location as a background sample.

Prepared By/Date: AJF 7/31/13

Checked By/Date: RCF 8/6/13

ATTACHMENT A

WORK PLAN/PROPOSALS/E-MAIL APPROVAL



April 10, 2013

Mr. Jude Peck, CCIM, ERM, LEED Green Associate
Environmental Risk Manager
Edens Limited Partnership
1221 Main Street
Columbia, South Carolina 29201

**Subject: Proposal for Indoor Air Quality (IAQ) Testing
Atherton Mill Property
2000, 2100, 2130 & 2140 South Boulevard
Charlotte, North Carolina
AMEC Proposal Prop13chltev55**

Dear Mr. Peck:

AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to present this *Proposal for Indoor Air Quality (IAQ) Testing* at the facility located at the subject facilities in Charlotte, North Carolina (subject property). The proposal is in response to the e-mail approval of the AMEC IAQ Work Plan (dated April 8, 2013) for the subject property by Ms. Carolyn Minnich of the North Carolina Department of Environment and Natural Resources (NCDENR) Brownfields Program.

PROJECT BACKGROUND

The site is located southwest of the intersection of South Boulevard and West Tremont Avenue in Charlotte, North Carolina. The site was developed in 1918 by Parks-Cramer Company (Parks-Cramer) as a factory for manufacturing textile-related products such as humidity control equipment. In 1988, ownership of the property was transferred to South Boulevard Properties, Inc. (SBP). Luwa Bahson, Inc. leased the property and continued manufacturing operations at the site from 1988 until 1992. Under SBP, the site was redeveloped for commercial use (e.g., Atherton Mills, Southend Brewery) in 1993.

An environmental audit conducted by others in 1988 for SBP discovered the presence of degreasing agents in the soil and groundwater at the former Parks-Cramer facility located at 2000 South Boulevard. Parks-Cramer operated a vapor degreasing unit for cleaning

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Licensures: NC Engineering F-1253, Geology C-247

and preparation of metal parts for paint application from 1962 until 1988. Initially, Trichloroethene (TCE) was used as a solvent in the degreasing unit. 1,1,1-Trichloroethane (1,1,1-TCA) replaced TCE in 1976 as the solvent used in the degreasing unit.

Assessments performed for SBP identified three Solid Waste Management Units (SWMUs) - the vapor degreaser, a railroad spur, and a railroad ditch. An Area of Concern (AOC) was also identified behind the building located at 2130 South Boulevard.

In 2006, the NCDENR Brownfields Program obtained oversight of the subject property and a draft Brownfields Agreement was submitted in 2007. To finalize the previously submitted draft Brownfields Agreement, Ms. Carolyn Minnich, Brownfields Project Manager with NCDENR requested sub-slab vapor sampling and analysis be performed at the subject property.

AMEC completed a sub-slab vapor assessment (report dated November 13, 2013) and submitted the results to the Brownfields Program for review. The assessment results identified the following:

- Portions of the property are currently frequented by children and have the potential in the future to be frequented by children. Therefore, the applicable IHSB acceptable soil-gas concentrations are the IHSB Residential Soil-Gas Concentrations; and
- Chloromethane, 1,1-dichloroethene, naphthalene, PCE, TCE and 1,2,4-trimethylbenzene were identified in four samples at concentrations which exceeded their respective NCDENR IHSB Residential Acceptable Soil-Gas concentrations. TCE was identified at seven locations at concentrations that exceeded the NCDENR IHSB Industrial/Commercial Soil-Gas concentrations.

Ms. Carolyn Minnich of the Brownfields Program requested a Work Plan for IAQ testing. AMEC provided the Work Plan and Ms. Minnich approved it.

SCOPE OF SERVICES

Task 1 – Indoor Air Sampling

AMEC will collect six indoor air samples from the facilities and one background sample (outdoors) at the site as approved by NCDENR. The methods will be consistent with the following guidelines and information:

- EPA Compendium Method TO-15 (EPA/625/R-96-010b). (8 – 24 hour sample duration);
- Section 3.2 of the "Assessment of Vapor Intrusion in Homes near the Raymark Superfund Site Using Basement and Sub-Slab Air Samples"; and
- DRAFT Vapor Intrusion Guidance, NCDENR Brownfields Program March 2012.

Task 2 – Laboratory Analyses

AMEC will submit the air samples to a North Carolina-certified laboratory. Furthermore, AMEC will verify that the laboratory method detection limits are below the applicable standards. AMEC will provide complete original laboratory reports and associated laboratory QA/QC documentation in the final report to DENR and our client. The air samples will be analyzed for Volatile Organic Compounds (VOCs) by TO-15 Method.

Task 3 – Report

AMEC will prepare and submit an assessment report with a description of field activities, laboratory data packet, and relevant information. AMEC will prepare and provide a site plan with sample locations and current site structures. AMEC will provide summary analytical table for contaminants detected by the laboratory versus the state standards and include historical data, if available.

FEE

AMEC will complete the above scope of services for a lump-sum fee of A
breakdown of the fee is as follows:

TASK	FEE
Task 1 – Indoor Air Sampling	\$
Task 2 – Laboratory Analysis	\$
Task 3 – Report	\$
Total	\$

Atherton Mill
Charlotte, North Carolina
AMEC Proposal: Prop13chltev55

April 10, 2013

AUTHORIZATION

To authorize this work, please sign below. The work will be performed in accordance with the terms and conditions of the Services Agreement between AMEC Environment & Infrastructure, Inc. and Edens Limited Partnership (dated May 14, 2012).

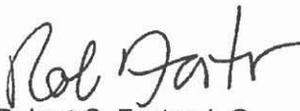
CLOSING

We appreciate your consideration of AMEC to perform these services and look forward to working with you on this project. Please contact Rob Foster at (704) 357-5530 if you have questions concerning this proposal.

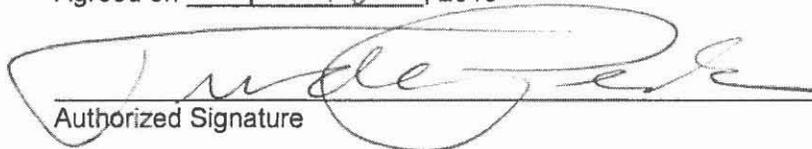
Sincerely,

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.


Andrew M. Clark, L.G.
Environmental Branch Manager


Robert C. Foster, L.G.
Associate Geologist

Agreed on April 16, 2013


Authorized Signature



July 1, 2013

Mr. Jude Peck, CCIM, ERM, LEED Green Associate
Environmental Risk Manager
Edens Limited Partnership
1221 Main Street
Columbia, South Carolina 29201

**Subject: Proposal for Indoor Air Quality (IAQ) Testing
Atherton Mill Property
2000, 2100, 2130 & 2140 South Boulevard
Charlotte, North Carolina
AMEC Proposal Prop13chltev55A**

Dear Mr. Peck:

AMEC Environment & Infrastructure, Inc. (AMEC) is pleased to present this *Proposal for Indoor Air Quality (IAQ) Testing* at the subject facilities in Charlotte, North Carolina (subject property). Ms. Carolyn Minnich of the North Carolina Department of Environment and Natural Resources (NCDENR) Brownfields Program provided in an e-mail approval of the AMEC IAQ Work Plan (dated April 8, 2013) for the subject property.

PROJECT BACKGROUND

The site is located southwest of the intersection of South Boulevard and West Tremont Avenue in Charlotte, North Carolina. The site was developed in 1918 by Parks-Cramer Company (Parks-Cramer) as a factory for manufacturing textile-related products such as humidity control equipment. In 1988, ownership of the property was transferred to South Boulevard Properties, Inc. (SBP). Luwa Bahson, Inc. leased the property and continued manufacturing operations at the site from 1988 until 1992. Under SBP, the site was redeveloped for commercial use (e.g., Atherton Mills, Southend Brewery) in 1993.

AMEC recently performed an IAQ assessment at the site. NCDENR requested a second event to evaluate IAQ trends. The results of the April 2013 IAQ analysis are summarized below. The analysis identified several Volatile Organic Compounds (VOCs) in five of the indoor air samples collected as well as the "Background" sample (IA-7). Most notably:

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Licenses: NC Engineering F-1253, Geology C-247

www.amec.com

- Benzene was identified in samples IA-4 (the electrical closet) and IA-7 (outdoor air sample) at concentrations (2.3 and 2.0 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 1.6 $\mu\text{g}/\text{m}^3$. Benzene was also identified in samples IA-1 (vacant unit), IA-3 (vacant unit) and IA-6 (basement) at concentrations that exceeded the IHSB Residential Acceptable Indoor Air Concentration of 0.31 $\mu\text{g}/\text{m}^3$;
- Naphthalene was identified in samples IA-3 (vacant unit), IA-4 (the electrical closet) and IA-5 (janitorial storage closet) at concentrations (42.6, 33.2 and 2.0 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air concentration of 0.36 $\mu\text{g}/\text{m}^3$;
- TCE was identified in samples IA-4 (the electrical closet), IA-5 (janitorial storage closet) and IA-7 (outdoor air sample) at concentrations (2.5, 2.4 and 6.8 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 1.76 $\mu\text{g}/\text{m}^3$;
- Chloroform was identified in sample IA-1 (vacant unit) at a concentration (2.6 $\mu\text{g}/\text{m}^3$) that exceeded the IHSB Industrial/Commercial Acceptable Indoor Air Concentration of 0.53 $\mu\text{g}/\text{m}^3$; and
- No analytes were identified in sample IA-2 (Atherton Mill Market) that exceeded the IHSB Industrial/Commercial or Residential Acceptable Indoor Air Concentrations.

Based on the results of the IAQ assessment, AMEC offered the following conclusions:

- The occurrence of naphthalene in sample IA-3 at concentration in excess of the Industrial/Commercial Acceptable Indoor Air Concentration may represent the potential for exposure to occupants. However, this space was vacant when sampled. The indoor air concentration would likely be reduced if the HVAC is operating as will be the case if this space is "occupied". The occurrence of naphthalene in samples IA-4 and IA-5 at concentrations in excess of the Industrial/Commercial Acceptable Indoor Air Concentration will not likely represent the potential for exposure to occupants because persons do not occupy the closets;
- Because portions of the property are visited by children and have the potential in the future to be frequented by children, the applicable IHSB acceptable soil-gas concentrations are the IHSB Residential Soil-Gas Concentrations. However, the areas represented by samples IA-4 and IA-5 consist of storage closets which are not likely to be visited by children;
- The background sample (IA-7) contained some of the highest concentrations of benzene and TCE suggesting that the indoor air quality of the subject facility compares favorably to the outdoor air quality;

- The basement area (represented by sample IA-6 in this assessment) is not typically occupied by persons; and
- The occurrence of benzene and TCE in samples IA-1 and IA-3 represent air quality conditions at a point in time when these spaces were vacant. The indoor air benzene concentration in these areas would likely be reduced if the HVAC is operating as will be the case if this space is "occupied".

SCOPE OF SERVICES

Task 1 – Indoor Air Sampling

AMEC will collect six indoor air samples from the facilities and one background sample (outdoors) at the site as approved by NCDENR. The methods will be consistent with the following guidelines and information:

- EPA Compendium Method TO-15 (EPA/625/R-96-010b). (8 – 24 hour sample duration);
- Section 3.2 of the "Assessment of Vapor Intrusion in Homes near the Raymark Superfund Site Using Basement and Sub-Slab Air Samples"; and
- DRAFT Vapor Intrusion Guidance, NCDENR Brownfields Program March 2012.

Task 2 – Laboratory Analyses

AMEC will submit the air samples to a North Carolina-certified laboratory. Furthermore, AMEC will verify that the laboratory method detection limits are below the applicable standards. AMEC will provide complete original laboratory reports and associated laboratory QA/QC documentation in the final report to DENR and our client. The air samples will be analyzed for VOCs by TO-15 Method (excluding THC as Gas).

Task 3 – Report

AMEC will amend the previous report (dated June 4, 2013) to include the current data. The report will include a description of field activities, laboratory data packet, and relevant information. AMEC will prepare and provide a site plan with sample locations and current site structures. AMEC will provide summary analytical table for contaminants detected by the laboratory versus the state standards and include historical IAQ data.

July 1, 2013

FEE

AMEC will complete the above scope of services for a lump-sum fee of \$ A
breakdown of the fee is as follows:

TASK	FEE
Task 1 – Indoor Air Sampling	\$
Task 2 – Laboratory Analysis	\$
Task 3 – Report	\$
Total	\$

AUTHORIZATION

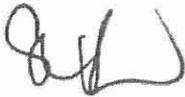
To authorize this work, please sign below. The work will be performed in accordance with the terms and conditions of the Services Agreement between AMEC Environment & Infrastructure, Inc. and Edens Limited Partnership (dated May 14, 2012).

CLOSING

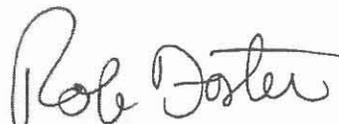
We appreciate your consideration of AMEC to perform these services and look forward to working with you on this project. Please contact Rob Foster at (704) 357-5530 if you have questions concerning this proposal.

Sincerely,

AMEC ENVIRONMENT & INFRASTRUCTURE, INC.

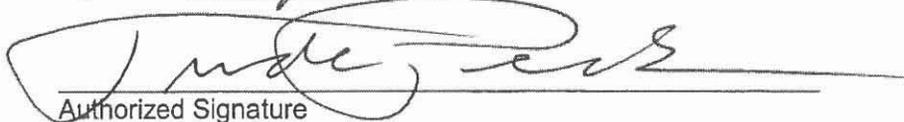


Steve E. Kiser, P.E.
Senior Associate



Robert C. Foster, L.G.
Associate Geologist

Agreed on July 9, 2013



Authorized Signature

From: Minnich, Carolyn [carolyn.minnich@ncdenr.gov]
Sent: Wednesday, April 10, 2013 10:23 AM
To: Foster, Rob
Cc: Jude Peck
Subject: RE: Atherton Mill (Brownfields Project Number: 10047-06-60)

The work plan is acceptable and approved. Contact me if you have any questions or comments.

Carolyn Minnich

Brownfields Project Manager
NCDENR-DWM
704/661-0330
www.ncbrownfields.org
Come Clean Up With Us!

Email correspondence to and from this address is subject to the North Carolina Public Records Law and may be disclosed to third parties unless the content is exempt by statute or other regulation.

From: Foster, Rob [mailto:Rob.Foster@amec.com]
Sent: Monday, April 08, 2013 1:45 PM
To: Minnich, Carolyn
Cc: Jude Peck
Subject: Atherton Mill (Brownfields Project Number: 10047-06-60)

Carolyn,

SAMPLING SCOPE AND METHODS

AMEC proposes to collect seven air samples (six indoor and one background) in general accordance with the "DRAFT Vapor Intrusion Guidance, NCDENR Brownfields Program", dated March 19, 2012 and "Section 3.2 of the "Assessment of Vapor Intrusion in Homes near the Raymark Superfund Site Using Basement and Sub-Slab Air Samples". The sampling scope includes the following items:

- The indoor air sample locations will be selected based on accessibility, previous assessment results and known site activities (depicted on attached **Figure**);
- Each sample shall be collected from the normal breathing level, two to five feet above the floor;
- The samples shall be collected over an 8-hour time period outside of normal business hours to ensure windows and doors at the facility remain closed during sample collection. The use of exhaust fans, clothes dryers, fireplaces and other items which may induce short term pressure changes will not be allowed during sampling activities;
- Each sample shall be collected into a 6-liter Summa canister at a flow rate of approximately 12.5 mL/min (8-hour sample time);
- Each Summa canister will have a dedicated pressure gauge and all Summa canisters and pressure gauges will be either "100% certified" or "batch certified";

- The vacuum reading of each Summa canister will be recorded prior to and after sample collection;
- Relative humidity and temperature will be monitored and recorded inside and outside the facility during sampling activities;
- The indoor air samples shall be maintained under a chain-of-custody protocol and submitted to a North Carolina certified laboratory for analysis of VOCs via EPA Compendium Method TO-15 (EPA/625/R-96-010b).

The following Quality Assurance/Quality Control Procedures shall be implemented:

- One, outdoor, upwind background sample will be collected from a normal breathing level, two to five feet above the ground;
- The background sample shall be collected into a 6-liter Summa canister at a flow rate of approximately 12.5 mL/min (8-hour sample time);
- The background sample shall be initiated at least one hour prior to the initiation of the indoor air samples;
- The samples shall be maintained under a manually-prepared chain-of-custody record;
- Non-dedicated sampling equipment shall be decontaminated between sample locations.

REPORT AND FIGURES

AMEC will describe the field activities, present the results of the indoor air sampling as tabulated data, and submit the laboratory data packet in a suitable report format for submittal to the NCDENR Brownfields Program. The report will include a site plan with current and estimated previous sampling locations and current site structures. The report will summarize the data collected and/or generated and provide recommendations for additional assessment, if necessary.

SCHEDULE

AMEC anticipates the coordination and implementation of the field activities can be completed within ten days of NCDENR approval, assuming sampling locations are readily accessible. Laboratory analysis is expected to be completed on a standard turnaround time of ten business days. A final report can be submitted to the NCDENR within approximately 10 business days of receiving the final laboratory data.

If you have questions, please contact me.

Robert C. Foster, LG
AMEC Environment & Infrastructure, Inc.

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Foster, Rob

From: Minnich, Carolyn [carolyn.minnich@ncdenr.gov]
Sent: Friday, June 28, 2013 1:51 PM
To: Foster, Rob; Amanda K Short (Amanda.short@hmw.com)
Subject: Atherton Mill

Rob and Amanda:

As we discussed, please collect a second round of indoor air sampling at the Atherton Mill Brownfields Site. The work should be done in accordance with the approved April 2013 Work Plan. The sampling data can be added to the Report of Indoor Air Quality Assessment dated June 4, 2013.

As you move forward with sampling, I will be completing the draft brownfields agreement and sending it for internal review next week. Please have the surveyor begin preparing the plat map.

If you have any questions or comments, please contact me.

Carolyn Minnich

Brownfields Project Manager
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ATTACHMENT B

LABORATORY ANALYTICAL REPORTS AND CHAIN-OF-CUSTODY FORMS



Pace Analytical Services, Inc.
205 East Meadow Road - Suite A
Eden, NC 27288
(336)623-8921

Pace Analytical Services, Inc.
2225 Riverside Dr.
Asheville, NC 28804
(828)254-7176

Pace Analytical Services, Inc.
9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

July 30, 2013

Mr. Andrew Frantz
AMEC-Charlotte
2801 Yorkmont Road
Suite 100
Charlotte, NC 28208

RE: Project: ATHERTON MILLS 6228-12-0051
Pace Project No.: 92165855

Dear Mr. Frantz:

Enclosed are the analytical results for sample(s) received by the laboratory on July 19, 2013. The results relate only to the samples included in this report. Results reported herein conform to the most current TNI standards and the laboratory's Quality Assurance Manual, where applicable, unless otherwise noted in the body of the report.

Analyses were performed at the Pace Analytical Services location indicated on the sample analyte page for analysis unless otherwise footnoted.

If you have any questions concerning this report, please feel free to contact me.

Sincerely,

Kevin Godwin

kevin.godwin@pacelabs.com
Project Manager

Enclosures



REPORT OF LABORATORY ANALYSIS

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CERTIFICATIONS

Project: ATHERTON MILLS 6228-12-0051
 Pace Project No.: 92165855

Minnesota Certification IDs

1700 Elm Street SE Suite 200, Minneapolis, MN 55414
 A2LA Certification #: 2926.01
 Alaska Certification #: UST-078
 Alaska Certification #MN00064
 Arizona Certification #: AZ-0014
 Arkansas Certification #: 88-0680
 California Certification #: 01155CA
 Colorado Certification #Pace
 Connecticut Certification #: PH-0256
 EPA Region 8 Certification #: Pace
 Florida/NELAP Certification #: E87605
 Georgia Certification #: 959
 Hawaii Certification #Pace
 Idaho Certification #: MN00064
 Illinois Certification #: 200011
 Kansas Certification #: E-10167
 Louisiana Certification #: 03086
 Louisiana Certification #: LA080009
 Maine Certification #: 2007029
 Maryland Certification #: 322
 Michigan DEQ Certification #: 9909
 Minnesota Certification #: 027-053-137

Mississippi Certification #: Pace
 Montana Certification #: MT CERT0092
 Nevada Certification #: MN_00064
 Nebraska Certification #: Pace
 New Jersey Certification #: MN-002
 New York Certification #: 11647
 North Carolina Certification #: 530
 North Dakota Certification #: R-036
 Ohio VAP Certification #: CL101
 Oklahoma Certification #: 9507
 Oregon Certification #: MN200001
 Oregon Certification #: MN300001
 Pennsylvania Certification #: 68-00563
 Puerto Rico Certification
 Tennessee Certification #: 02818
 Texas Certification #: T104704192
 Utah Certification #: MN00064
 Virginia/DCLS Certification #: 002521
 Virginia/VELAP Certification #: 460163
 Washington Certification #: C754
 West Virginia Certification #: 382
 Wisconsin Certification #: 999407970

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(704)875-9092

SAMPLE ANALYTE COUNT

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
92165855001	IA-1'	TO-15	CJR	58	PASI-M
92165855002	IA-2'	TO-15	CJR	58	PASI-M
92165855003	IA-3'	TO-15	CJR	58	PASI-M
92165855004	IA-4'	TO-15	CJR	58	PASI-M
92165855005	IA-5'	TO-15	CJR	58	PASI-M
92165855006	IA-6'	TO-15	CJR	58	PASI-M
92165855007	IA-7'	TO-15	CJR	58	PASI-M

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Sample Project No.: 92165855

Sample: IA-1'	Lab ID: 92165855001	Collected: 07/16/13 17:20	Received: 07/19/13 08:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	19.7	ug/m3	0.67	1.39		07/24/13 23:15	67-64-1	
Benzene	0.58	ug/m3	0.45	1.39		07/24/13 23:15	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.39		07/24/13 23:15	75-27-4	
Bromoform	ND	ug/m3	2.9	1.39		07/24/13 23:15	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.39		07/24/13 23:15	74-83-9	
1,3-Butadiene	ND	ug/m3	0.63	1.39		07/24/13 23:15	106-99-0	
2-Butanone (MEK)	9.3	ug/m3	0.83	1.39		07/24/13 23:15	78-93-3	
Carbon disulfide	ND	ug/m3	0.88	1.39		07/24/13 23:15	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.89	1.39		07/24/13 23:15	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.39		07/24/13 23:15	108-90-7	
Chloroethane	ND	ug/m3	0.75	1.39		07/24/13 23:15	75-00-3	
Chloroform	4.4	ug/m3	1.4	1.39		07/24/13 23:15	67-66-3	
Chloromethane	0.98	ug/m3	0.58	1.39		07/24/13 23:15	74-87-3	
Cyclohexane	ND	ug/m3	0.97	1.39		07/24/13 23:15	110-82-7	L2
Dibromochloromethane	ND	ug/m3	2.4	1.39		07/24/13 23:15	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.39		07/24/13 23:15	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/24/13 23:15	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/24/13 23:15	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/24/13 23:15	106-46-7	
Dichlorodifluoromethane	2.0	ug/m3	1.4	1.39		07/24/13 23:15	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.39		07/24/13 23:15	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.57	1.39		07/24/13 23:15	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.39		07/24/13 23:15	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.39		07/24/13 23:15	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.39		07/24/13 23:15	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.39		07/24/13 23:15	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/24/13 23:15	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/24/13 23:15	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.39		07/24/13 23:15	76-14-2	
Ethyl acetate	1.3	ug/m3	1.0	1.39		07/24/13 23:15	141-78-6	
Ethylbenzene	ND	ug/m3	1.2	1.39		07/24/13 23:15	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	1.39		07/24/13 23:15	622-96-8	
n-Heptane	1.2	ug/m3	1.2	1.39		07/24/13 23:15	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.39		07/24/13 23:15	87-68-3	
n-Hexane	1.4	ug/m3	1.0	1.39		07/24/13 23:15	110-54-3	
2-Hexanone	1.8	ug/m3	1.2	1.39		07/24/13 23:15	591-78-6	
Methylene Chloride	ND	ug/m3	0.99	1.39		07/24/13 23:15	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.4	ug/m3	1.2	1.39		07/24/13 23:15	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.39		07/24/13 23:15	1634-04-4	
Naphthalene	5.8	ug/m3	1.5	1.39		07/24/13 23:15	91-20-3	
Propylene	ND	ug/m3	0.49	1.39		07/24/13 23:15	115-07-1	
Styrene	1.4	ug/m3	1.2	1.39		07/24/13 23:15	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.97	1.39		07/24/13 23:15	79-34-5	
Tetrachloroethene	ND	ug/m3	0.96	1.39		07/24/13 23:15	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	1.39		07/24/13 23:15	109-99-9	
Toluene	2.7	ug/m3	1.1	1.39		07/24/13 23:15	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	2.1	1.39		07/24/13 23:15	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

Sample: IA-1'		Lab ID: 92165855001	Collected: 07/16/13 17:20	Received: 07/19/13 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.39		07/24/13 23:15	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.76	1.39		07/24/13 23:15	79-00-5	
Trichloroethene	61.7	ug/m3	0.76	1.39		07/24/13 23:15	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	1.39		07/24/13 23:15	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.39		07/24/13 23:15	76-13-1	
1,2,4-Trimethylbenzene	1.4	ug/m3	1.4	1.39		07/24/13 23:15	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	1.39		07/24/13 23:15	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.39		07/24/13 23:15	108-05-4	
Vinyl chloride	ND	ug/m3	0.36	1.39		07/24/13 23:15	75-01-4	
m&p-Xylene	ND	ug/m3	2.4	1.39		07/24/13 23:15	179601-23-1	
o-Xylene	ND	ug/m3	1.2	1.39		07/24/13 23:15	95-47-6	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Sample Project No.: 92165855

Sample: IA-2'	Lab ID: 92165855002	Collected: 07/16/13 17:35	Received: 07/19/13 08:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	5.6 ug/m3		0.89	1.86		07/25/13 09:26	67-64-1	
Benzene	0.81 ug/m3		0.45	1.39		07/24/13 23:44	71-43-2	
Bromodichloromethane	ND ug/m3		1.9	1.39		07/24/13 23:44	75-27-4	
Bromoform	ND ug/m3		2.9	1.39		07/24/13 23:44	75-25-2	
Bromomethane	ND ug/m3		1.1	1.39		07/24/13 23:44	74-83-9	
1,3-Butadiene	ND ug/m3		0.63	1.39		07/24/13 23:44	106-99-0	
2-Butanone (MEK)	3.5 ug/m3		0.83	1.39		07/24/13 23:44	78-93-3	
Carbon disulfide	1.3 ug/m3		0.88	1.39		07/24/13 23:44	75-15-0	L2
Carbon tetrachloride	ND ug/m3		0.89	1.39		07/24/13 23:44	56-23-5	
Chlorobenzene	ND ug/m3		1.3	1.39		07/24/13 23:44	108-90-7	
Chloroethane	ND ug/m3		0.75	1.39		07/24/13 23:44	75-00-3	
Chloroform	ND ug/m3		1.4	1.39		07/24/13 23:44	67-66-3	
Chloromethane	1.4 ug/m3		0.58	1.39		07/24/13 23:44	74-87-3	
Cyclohexane	ND ug/m3		0.97	1.39		07/24/13 23:44	110-82-7	
Dibromochloromethane	ND ug/m3		2.4	1.39		07/24/13 23:44	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/m3		2.2	1.39		07/24/13 23:44	106-93-4	
1,2-Dichlorobenzene	ND ug/m3		1.7	1.39		07/24/13 23:44	95-50-1	
1,3-Dichlorobenzene	ND ug/m3		1.7	1.39		07/24/13 23:44	541-73-1	
1,4-Dichlorobenzene	ND ug/m3		1.7	1.39		07/24/13 23:44	106-46-7	
Dichlorodifluoromethane	2.1 ug/m3		1.4	1.39		07/24/13 23:44	75-71-8	
1,1-Dichloroethane	ND ug/m3		1.1	1.39		07/24/13 23:44	75-34-3	
1,2-Dichloroethane	ND ug/m3		0.57	1.39		07/24/13 23:44	107-06-2	
1,1-Dichloroethene	ND ug/m3		1.1	1.39		07/24/13 23:44	75-35-4	
cis-1,2-Dichloroethene	ND ug/m3		1.1	1.39		07/24/13 23:44	156-59-2	
trans-1,2-Dichloroethene	ND ug/m3		1.1	1.39		07/24/13 23:44	156-60-5	
1,2-Dichloropropane	ND ug/m3		1.3	1.39		07/24/13 23:44	78-87-5	
cis-1,3-Dichloropropene	ND ug/m3		1.3	1.39		07/24/13 23:44	10061-01-5	
trans-1,3-Dichloropropene	ND ug/m3		1.3	1.39		07/24/13 23:44	10061-02-6	
Dichlorotetrafluoroethane	ND ug/m3		2.0	1.39		07/24/13 23:44	76-14-2	
Ethyl acetate	ND ug/m3		1.0	1.39		07/24/13 23:44	141-78-6	
Ethylbenzene	ND ug/m3		1.2	1.39		07/24/13 23:44	100-41-4	
4-Ethyltoluene	ND ug/m3		1.4	1.39		07/24/13 23:44	622-96-8	
n-Heptane	ND ug/m3		1.2	1.39		07/24/13 23:44	142-82-5	
Hexachloro-1,3-butadiene	ND ug/m3		3.1	1.39		07/24/13 23:44	87-68-3	
n-Hexane	3.2 ug/m3		1.3	1.86		07/25/13 09:26	110-54-3	
2-Hexanone	ND ug/m3		1.2	1.39		07/24/13 23:44	591-78-6	
Methylene Chloride	47.4 ug/m3		1.3	1.86		07/25/13 09:26	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/m3		1.2	1.39		07/24/13 23:44	108-10-1	
Methyl-tert-butyl ether	ND ug/m3		1.0	1.39		07/24/13 23:44	1634-04-4	
Naphthalene	ND ug/m3		1.5	1.39		07/24/13 23:44	91-20-3	
Propylene	ND ug/m3		0.49	1.39		07/24/13 23:44	115-07-1	
Styrene	ND ug/m3		1.2	1.39		07/24/13 23:44	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/m3		0.97	1.39		07/24/13 23:44	79-34-5	
Tetrachloroethene	ND ug/m3		0.96	1.39		07/24/13 23:44	127-18-4	
Tetrahydrofuran	ND ug/m3		0.83	1.39		07/24/13 23:44	109-99-9	
Toluene	5.6 ug/m3		1.1	1.39		07/24/13 23:44	108-88-3	
1,2,4-Trichlorobenzene	ND ug/m3		2.1	1.39		07/24/13 23:44	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

Sample: IA-2'		Lab ID: 92165855002	Collected: 07/16/13 17:35	Received: 07/19/13 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.39		07/24/13 23:44	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.76	1.39		07/24/13 23:44	79-00-5	
Trichloroethene	4.7	ug/m3	0.76	1.39		07/24/13 23:44	79-01-6	
Trichlorofluoromethane	1.7	ug/m3	1.6	1.39		07/24/13 23:44	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.39		07/24/13 23:44	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	1.4	1.39		07/24/13 23:44	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	1.39		07/24/13 23:44	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.39		07/24/13 23:44	108-05-4	
Vinyl chloride	ND	ug/m3	0.36	1.39		07/24/13 23:44	75-01-4	
m&p-Xylene	ND	ug/m3	2.4	1.39		07/24/13 23:44	179601-23-1	
o-Xylene	ND	ug/m3	1.2	1.39		07/24/13 23:44	95-47-6	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Sample Project No.: 92165855

Sample: IA-3'	Lab ID: 92165855003	Collected: 07/16/13 17:45	Received: 07/19/13 08:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	42.4	ug/m3	0.93	1.93		07/25/13 09:55	67-64-1	
Benzene	1.1	ug/m3	0.47	1.44		07/25/13 00:43	71-43-2	
Bromodichloromethane	ND	ug/m3	2.0	1.44		07/25/13 00:43	75-27-4	
Bromoform	ND	ug/m3	3.0	1.44		07/25/13 00:43	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.44		07/25/13 00:43	74-83-9	
1,3-Butadiene	ND	ug/m3	0.65	1.44		07/25/13 00:43	106-99-0	
2-Butanone (MEK)	7.5	ug/m3	0.86	1.44		07/25/13 00:43	78-93-3	
Carbon disulfide	ND	ug/m3	0.91	1.44		07/25/13 00:43	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.92	1.44		07/25/13 00:43	56-23-5	
Chlorobenzene	ND	ug/m3	1.4	1.44		07/25/13 00:43	108-90-7	
Chloroethane	ND	ug/m3	0.78	1.44		07/25/13 00:43	75-00-3	
Chloroform	ND	ug/m3	1.4	1.44		07/25/13 00:43	67-66-3	
Chloromethane	1.4	ug/m3	0.60	1.44		07/25/13 00:43	74-87-3	
Cyclohexane	ND	ug/m3	1.0	1.44		07/25/13 00:43	110-82-7	L2
Dibromochloromethane	ND	ug/m3	2.5	1.44		07/25/13 00:43	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.44		07/25/13 00:43	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.8	1.44		07/25/13 00:43	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.8	1.44		07/25/13 00:43	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.8	1.44		07/25/13 00:43	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.5	1.44		07/25/13 00:43	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.2	1.44		07/25/13 00:43	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.59	1.44		07/25/13 00:43	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.2	1.44		07/25/13 00:43	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		07/25/13 00:43	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.2	1.44		07/25/13 00:43	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.4	1.44		07/25/13 00:43	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.44		07/25/13 00:43	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.44		07/25/13 00:43	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.44		07/25/13 00:43	76-14-2	
Ethyl acetate	2.9	ug/m3	1.1	1.44		07/25/13 00:43	141-78-6	
Ethylbenzene	1.7	ug/m3	1.3	1.44		07/25/13 00:43	100-41-4	
4-Ethyltoluene	9.9	ug/m3	1.4	1.44		07/25/13 00:43	622-96-8	
n-Heptane	1.9	ug/m3	1.2	1.44		07/25/13 00:43	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.2	1.44		07/25/13 00:43	87-68-3	
n-Hexane	4.0	ug/m3	1.4	1.93		07/25/13 09:55	110-54-3	
2-Hexanone	ND	ug/m3	1.2	1.44		07/25/13 00:43	591-78-6	
Methylene Chloride	37.8	ug/m3	1.4	1.93		07/25/13 09:55	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.3	ug/m3	1.2	1.44		07/25/13 00:43	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.1	1.44		07/25/13 00:43	1634-04-4	
Naphthalene	148	ug/m3	1.5	1.44		07/25/13 00:43	91-20-3	
Propylene	ND	ug/m3	0.50	1.44		07/25/13 00:43	115-07-1	
Styrene	ND	ug/m3	1.3	1.44		07/25/13 00:43	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	1.0	1.44		07/25/13 00:43	79-34-5	
Tetrachloroethene	ND	ug/m3	0.99	1.44		07/25/13 00:43	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.86	1.44		07/25/13 00:43	109-99-9	
Toluene	7.5	ug/m3	1.1	1.44		07/25/13 00:43	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	2.2	1.44		07/25/13 00:43	120-82-1	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051
 Pace Project No.: 92165855

Sample: IA-3'		Lab ID: 92165855003	Collected: 07/16/13 17:45	Received: 07/19/13 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.6	1.44		07/25/13 00:43	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.79	1.44		07/25/13 00:43	79-00-5	
Trichloroethene	24.3	ug/m3	0.79	1.44		07/25/13 00:43	79-01-6	
Trichlorofluoromethane	1.7	ug/m3	1.6	1.44		07/25/13 00:43	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.3	1.44		07/25/13 00:43	76-13-1	
1,2,4-Trimethylbenzene	27.2	ug/m3	1.4	1.44		07/25/13 00:43	95-63-6	
1,3,5-Trimethylbenzene	8.1	ug/m3	1.4	1.44		07/25/13 00:43	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.44		07/25/13 00:43	108-05-4	
Vinyl chloride	ND	ug/m3	0.37	1.44		07/25/13 00:43	75-01-4	
m&p-Xylene	6.7	ug/m3	2.5	1.44		07/25/13 00:43	179601-23-1	
o-Xylene	3.1	ug/m3	1.3	1.44		07/25/13 00:43	95-47-6	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Sample Project No.: 92165855

Sample: IA-4'	Lab ID: 92165855004	Collected: 07/16/13 17:53	Received: 07/19/13 08:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	247	ug/m3	13.3	27.8		07/25/13 10:20	67-64-1	
Benzene	ND	ug/m3	0.45	1.39		07/25/13 01:14	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.39		07/25/13 01:14	75-27-4	
Bromoform	ND	ug/m3	2.9	1.39		07/25/13 01:14	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.39		07/25/13 01:14	74-83-9	
1,3-Butadiene	ND	ug/m3	0.63	1.39		07/25/13 01:14	106-99-0	
2-Butanone (MEK)	6.2	ug/m3	0.83	1.39		07/25/13 01:14	78-93-3	
Carbon disulfide	ND	ug/m3	0.88	1.39		07/25/13 01:14	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.89	1.39		07/25/13 01:14	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.39		07/25/13 01:14	108-90-7	
Chloroethane	ND	ug/m3	0.75	1.39		07/25/13 01:14	75-00-3	
Chloroform	ND	ug/m3	1.4	1.39		07/25/13 01:14	67-66-3	
Chloromethane	ND	ug/m3	0.58	1.39		07/25/13 01:14	74-87-3	
Cyclohexane	ND	ug/m3	0.97	1.39		07/25/13 01:14	110-82-7	L2
Dibromochloromethane	ND	ug/m3	2.4	1.39		07/25/13 01:14	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.39		07/25/13 01:14	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 01:14	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 01:14	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 01:14	106-46-7	
Dichlorodifluoromethane	6.5	ug/m3	1.4	1.39		07/25/13 01:14	75-71-8	1g
1,1-Dichloroethane	ND	ug/m3	1.1	1.39		07/25/13 01:14	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.57	1.39		07/25/13 01:14	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.39		07/25/13 01:14	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.39		07/25/13 01:14	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.39		07/25/13 01:14	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.39		07/25/13 01:14	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/25/13 01:14	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/25/13 01:14	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.39		07/25/13 01:14	76-14-2	
Ethyl acetate	ND	ug/m3	1.0	1.39		07/25/13 01:14	141-78-6	
Ethylbenzene	3.5	ug/m3	1.2	1.39		07/25/13 01:14	100-41-4	
4-Ethyltoluene	7.7	ug/m3	1.4	1.39		07/25/13 01:14	622-96-8	
n-Heptane	ND	ug/m3	1.2	1.39		07/25/13 01:14	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.39		07/25/13 01:14	87-68-3	
n-Hexane	1.5	ug/m3	1.0	1.39		07/25/13 01:14	110-54-3	
2-Hexanone	ND	ug/m3	1.2	1.39		07/25/13 01:14	591-78-6	
Methylene Chloride	4.5	ug/m3	0.99	1.39		07/25/13 01:14	75-09-2	
4-Methyl-2-pentanone (MIBK)	2.0	ug/m3	1.2	1.39		07/25/13 01:14	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.39		07/25/13 01:14	1634-04-4	
Naphthalene	95.0	ug/m3	1.5	1.39		07/25/13 01:14	91-20-3	
Propylene	ND	ug/m3	0.49	1.39		07/25/13 01:14	115-07-1	
Styrene	2.8	ug/m3	1.2	1.39		07/25/13 01:14	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.97	1.39		07/25/13 01:14	79-34-5	
Tetrachloroethene	ND	ug/m3	0.96	1.39		07/25/13 01:14	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	1.39		07/25/13 01:14	109-99-9	
Toluene	17.6	ug/m3	1.1	1.39		07/25/13 01:14	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	2.1	1.39		07/25/13 01:14	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

Sample: IA-4'		Lab ID: 92165855004	Collected: 07/16/13 17:53	Received: 07/19/13 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.39		07/25/13 01:14	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.76	1.39		07/25/13 01:14	79-00-5	
Trichloroethene	45.3	ug/m3	0.76	1.39		07/25/13 01:14	79-01-6	
Trichlorofluoromethane	3.8	ug/m3	1.6	1.39		07/25/13 01:14	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.39		07/25/13 01:14	76-13-1	
1,2,4-Trimethylbenzene	14.6	ug/m3	1.4	1.39		07/25/13 01:14	95-63-6	
1,3,5-Trimethylbenzene	5.4	ug/m3	1.4	1.39		07/25/13 01:14	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.39		07/25/13 01:14	108-05-4	
Vinyl chloride	ND	ug/m3	0.36	1.39		07/25/13 01:14	75-01-4	
m&p-Xylene	13.0	ug/m3	2.4	1.39		07/25/13 01:14	179601-23-1	
o-Xylene	4.5	ug/m3	1.2	1.39		07/25/13 01:14	95-47-6	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Sample Project No.: 92165855

Sample: IA-5'	Lab ID: 92165855005	Collected: 07/16/13 18:00	Received: 07/19/13 08:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	92.4	ug/m3	0.67	1.39		07/25/13 02:17	67-64-1	
Benzene	0.83	ug/m3	0.45	1.39		07/25/13 02:17	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.39		07/25/13 02:17	75-27-4	
Bromoform	ND	ug/m3	2.9	1.39		07/25/13 02:17	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.39		07/25/13 02:17	74-83-9	
1,3-Butadiene	ND	ug/m3	0.63	1.39		07/25/13 02:17	106-99-0	
2-Butanone (MEK)	4.9	ug/m3	0.83	1.39		07/25/13 02:17	78-93-3	
Carbon disulfide	ND	ug/m3	0.88	1.39		07/25/13 02:17	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.89	1.39		07/25/13 02:17	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.39		07/25/13 02:17	108-90-7	
Chloroethane	ND	ug/m3	0.75	1.39		07/25/13 02:17	75-00-3	
Chloroform	ND	ug/m3	1.4	1.39		07/25/13 02:17	67-66-3	
Chloromethane	1.2	ug/m3	0.58	1.39		07/25/13 02:17	74-87-3	
Cyclohexane	ND	ug/m3	0.97	1.39		07/25/13 02:17	110-82-7	L2
Dibromochloromethane	ND	ug/m3	2.4	1.39		07/25/13 02:17	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.39		07/25/13 02:17	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 02:17	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 02:17	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 02:17	106-46-7	
Dichlorodifluoromethane	ND	ug/m3	1.4	1.39		07/25/13 02:17	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.39		07/25/13 02:17	75-34-3	
1,2-Dichloroethane	0.96	ug/m3	0.57	1.39		07/25/13 02:17	107-06-2	
1,1-Dichloroethene	ND	ug/m3	1.1	1.39		07/25/13 02:17	75-35-4	
cis-1,2-Dichloroethene	3.6	ug/m3	1.1	1.39		07/25/13 02:17	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.39		07/25/13 02:17	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.39		07/25/13 02:17	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/25/13 02:17	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/25/13 02:17	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.39		07/25/13 02:17	76-14-2	
Ethyl acetate	4.7	ug/m3	1.0	1.39		07/25/13 02:17	141-78-6	
Ethylbenzene	6.8	ug/m3	1.2	1.39		07/25/13 02:17	100-41-4	
4-Ethyltoluene	10.2	ug/m3	1.4	1.39		07/25/13 02:17	622-96-8	
n-Heptane	3.2	ug/m3	1.2	1.39		07/25/13 02:17	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.39		07/25/13 02:17	87-68-3	
n-Hexane	2.1	ug/m3	1.0	1.39		07/25/13 02:17	110-54-3	
2-Hexanone	ND	ug/m3	1.2	1.39		07/25/13 02:17	591-78-6	
Methylene Chloride	1.7	ug/m3	0.99	1.39		07/25/13 02:17	75-09-2	
4-Methyl-2-pentanone (MIBK)	1.5	ug/m3	1.2	1.39		07/25/13 02:17	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.39		07/25/13 02:17	1634-04-4	
Naphthalene	44.0	ug/m3	1.5	1.39		07/25/13 02:17	91-20-3	
Propylene	ND	ug/m3	0.49	1.39		07/25/13 02:17	115-07-1	
Styrene	1.8	ug/m3	1.2	1.39		07/25/13 02:17	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.97	1.39		07/25/13 02:17	79-34-5	
Tetrachloroethene	1.4	ug/m3	0.96	1.39		07/25/13 02:17	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	1.39		07/25/13 02:17	109-99-9	
Toluene	6.1	ug/m3	1.1	1.39		07/25/13 02:17	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	2.1	1.39		07/25/13 02:17	120-82-1	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

Sample: IA-5'		Lab ID: 92165855005	Collected: 07/16/13 18:00	Received: 07/19/13 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.39		07/25/13 02:17	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.76	1.39		07/25/13 02:17	79-00-5	
Trichloroethene	1760	ug/m3	15.3	27.8		07/25/13 10:44	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	1.39		07/25/13 02:17	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.39		07/25/13 02:17	76-13-1	
1,2,4-Trimethylbenzene	13.6	ug/m3	1.4	1.39		07/25/13 02:17	95-63-6	
1,3,5-Trimethylbenzene	7.2	ug/m3	1.4	1.39		07/25/13 02:17	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.39		07/25/13 02:17	108-05-4	
Vinyl chloride	ND	ug/m3	0.36	1.39		07/25/13 02:17	75-01-4	
m&p-Xylene	25.7	ug/m3	2.4	1.39		07/25/13 02:17	179601-23-1	
o-Xylene	9.7	ug/m3	1.2	1.39		07/25/13 02:17	95-47-6	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Sample Project No.: 92165855

Sample: IA-6'	Lab ID: 92165855006	Collected: 07/16/13 19:10	Received: 07/19/13 08:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	17.6	ug/m3	0.67	1.39		07/25/13 01:48	67-64-1	
Benzene	ND	ug/m3	0.45	1.39		07/25/13 01:48	71-43-2	
Bromodichloromethane	ND	ug/m3	1.9	1.39		07/25/13 01:48	75-27-4	
Bromoform	ND	ug/m3	2.9	1.39		07/25/13 01:48	75-25-2	
Bromomethane	ND	ug/m3	1.1	1.39		07/25/13 01:48	74-83-9	
1,3-Butadiene	ND	ug/m3	0.63	1.39		07/25/13 01:48	106-99-0	
2-Butanone (MEK)	5.9	ug/m3	0.83	1.39		07/25/13 01:48	78-93-3	
Carbon disulfide	ND	ug/m3	0.88	1.39		07/25/13 01:48	75-15-0	
Carbon tetrachloride	ND	ug/m3	0.89	1.39		07/25/13 01:48	56-23-5	
Chlorobenzene	ND	ug/m3	1.3	1.39		07/25/13 01:48	108-90-7	
Chloroethane	ND	ug/m3	0.75	1.39		07/25/13 01:48	75-00-3	
Chloroform	ND	ug/m3	1.4	1.39		07/25/13 01:48	67-66-3	
Chloromethane	0.95	ug/m3	0.58	1.39		07/25/13 01:48	74-87-3	
Cyclohexane	ND	ug/m3	0.97	1.39		07/25/13 01:48	110-82-7	L2
Dibromochloromethane	ND	ug/m3	2.4	1.39		07/25/13 01:48	124-48-1	
1,2-Dibromoethane (EDB)	ND	ug/m3	2.2	1.39		07/25/13 01:48	106-93-4	
1,2-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 01:48	95-50-1	
1,3-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 01:48	541-73-1	
1,4-Dichlorobenzene	ND	ug/m3	1.7	1.39		07/25/13 01:48	106-46-7	
Dichlorodifluoromethane	1.6	ug/m3	1.4	1.39		07/25/13 01:48	75-71-8	
1,1-Dichloroethane	ND	ug/m3	1.1	1.39		07/25/13 01:48	75-34-3	
1,2-Dichloroethane	ND	ug/m3	0.57	1.39		07/25/13 01:48	107-06-2	
1,1-Dichloroethene	1.2	ug/m3	1.1	1.39		07/25/13 01:48	75-35-4	
cis-1,2-Dichloroethene	ND	ug/m3	1.1	1.39		07/25/13 01:48	156-59-2	
trans-1,2-Dichloroethene	ND	ug/m3	1.1	1.39		07/25/13 01:48	156-60-5	
1,2-Dichloropropane	ND	ug/m3	1.3	1.39		07/25/13 01:48	78-87-5	
cis-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/25/13 01:48	10061-01-5	
trans-1,3-Dichloropropene	ND	ug/m3	1.3	1.39		07/25/13 01:48	10061-02-6	
Dichlorotetrafluoroethane	ND	ug/m3	2.0	1.39		07/25/13 01:48	76-14-2	
Ethyl acetate	2.4	ug/m3	1.0	1.39		07/25/13 01:48	141-78-6	
Ethylbenzene	3.9	ug/m3	1.2	1.39		07/25/13 01:48	100-41-4	
4-Ethyltoluene	ND	ug/m3	1.4	1.39		07/25/13 01:48	622-96-8	
n-Heptane	ND	ug/m3	1.2	1.39		07/25/13 01:48	142-82-5	
Hexachloro-1,3-butadiene	ND	ug/m3	3.1	1.39		07/25/13 01:48	87-68-3	
n-Hexane	1.4	ug/m3	1.0	1.39		07/25/13 01:48	110-54-3	
2-Hexanone	1.7	ug/m3	1.2	1.39		07/25/13 01:48	591-78-6	
Methylene Chloride	10.1	ug/m3	0.99	1.39		07/25/13 01:48	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	ug/m3	1.2	1.39		07/25/13 01:48	108-10-1	
Methyl-tert-butyl ether	ND	ug/m3	1.0	1.39		07/25/13 01:48	1634-04-4	
Naphthalene	5.4	ug/m3	1.5	1.39		07/25/13 01:48	91-20-3	
Propylene	ND	ug/m3	0.49	1.39		07/25/13 01:48	115-07-1	
Styrene	ND	ug/m3	1.2	1.39		07/25/13 01:48	100-42-5	
1,1,2,2-Tetrachloroethane	ND	ug/m3	0.97	1.39		07/25/13 01:48	79-34-5	
Tetrachloroethene	ND	ug/m3	0.96	1.39		07/25/13 01:48	127-18-4	
Tetrahydrofuran	ND	ug/m3	0.83	1.39		07/25/13 01:48	109-99-9	
Toluene	3.0	ug/m3	1.1	1.39		07/25/13 01:48	108-88-3	
1,2,4-Trichlorobenzene	ND	ug/m3	2.1	1.39		07/25/13 01:48	120-82-1	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051
 Pace Project No.: 92165855

Sample: IA-6'		Lab ID: 92165855006	Collected: 07/16/13 19:10	Received: 07/19/13 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	1.5	1.39		07/25/13 01:48	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	0.76	1.39		07/25/13 01:48	79-00-5	
Trichloroethene	26.8	ug/m3	0.76	1.39		07/25/13 01:48	79-01-6	
Trichlorofluoromethane	ND	ug/m3	1.6	1.39		07/25/13 01:48	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	2.2	1.39		07/25/13 01:48	76-13-1	
1,2,4-Trimethylbenzene	2.5	ug/m3	1.4	1.39		07/25/13 01:48	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	1.4	1.39		07/25/13 01:48	108-67-8	
Vinyl acetate	ND	ug/m3	1.0	1.39		07/25/13 01:48	108-05-4	
Vinyl chloride	ND	ug/m3	0.36	1.39		07/25/13 01:48	75-01-4	
m&p-Xylene	16.7	ug/m3	2.4	1.39		07/25/13 01:48	179601-23-1	
o-Xylene	5.7	ug/m3	1.2	1.39		07/25/13 01:48	95-47-6	

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Sample Project No.: 92165855

Sample: IA-7'	Lab ID: 92165855007	Collected: 07/16/13 16:15	Received: 07/19/13 08:30	Matrix: Air				
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
Acetone	8.9 ug/m3		1.6	3.36		07/25/13 02:47	67-64-1	
Benzene	ND ug/m3		1.1	3.36		07/25/13 02:47	71-43-2	
Bromodichloromethane	ND ug/m3		4.6	3.36		07/25/13 02:47	75-27-4	
Bromoform	ND ug/m3		7.1	3.36		07/25/13 02:47	75-25-2	
Bromomethane	ND ug/m3		2.7	3.36		07/25/13 02:47	74-83-9	
1,3-Butadiene	ND ug/m3		1.5	3.36		07/25/13 02:47	106-99-0	
2-Butanone (MEK)	2.7 ug/m3		2.0	3.36		07/25/13 02:47	78-93-3	
Carbon disulfide	ND ug/m3		2.1	3.36		07/25/13 02:47	75-15-0	
Carbon tetrachloride	ND ug/m3		2.2	3.36		07/25/13 02:47	56-23-5	
Chlorobenzene	ND ug/m3		3.2	3.36		07/25/13 02:47	108-90-7	
Chloroethane	ND ug/m3		1.8	3.36		07/25/13 02:47	75-00-3	
Chloroform	ND ug/m3		3.3	3.36		07/25/13 02:47	67-66-3	
Chloromethane	ND ug/m3		1.4	3.36		07/25/13 02:47	74-87-3	
Cyclohexane	ND ug/m3		2.4	3.36		07/25/13 02:47	110-82-7	L2
Dibromochloromethane	ND ug/m3		5.8	3.36		07/25/13 02:47	124-48-1	
1,2-Dibromoethane (EDB)	ND ug/m3		5.2	3.36		07/25/13 02:47	106-93-4	
1,2-Dichlorobenzene	ND ug/m3		4.1	3.36		07/25/13 02:47	95-50-1	
1,3-Dichlorobenzene	ND ug/m3		4.1	3.36		07/25/13 02:47	541-73-1	
1,4-Dichlorobenzene	ND ug/m3		4.1	3.36		07/25/13 02:47	106-46-7	
Dichlorodifluoromethane	ND ug/m3		3.4	3.36		07/25/13 02:47	75-71-8	
1,1-Dichloroethane	ND ug/m3		2.8	3.36		07/25/13 02:47	75-34-3	
1,2-Dichloroethane	ND ug/m3		1.4	3.36		07/25/13 02:47	107-06-2	
1,1-Dichloroethene	ND ug/m3		2.7	3.36		07/25/13 02:47	75-35-4	
cis-1,2-Dichloroethene	ND ug/m3		2.7	3.36		07/25/13 02:47	156-59-2	
trans-1,2-Dichloroethene	ND ug/m3		2.7	3.36		07/25/13 02:47	156-60-5	
1,2-Dichloropropane	ND ug/m3		3.2	3.36		07/25/13 02:47	78-87-5	
cis-1,3-Dichloropropene	ND ug/m3		3.1	3.36		07/25/13 02:47	10061-01-5	
trans-1,3-Dichloropropene	ND ug/m3		3.1	3.36		07/25/13 02:47	10061-02-6	
Dichlorotetrafluoroethane	ND ug/m3		4.8	3.36		07/25/13 02:47	76-14-2	
Ethyl acetate	ND ug/m3		2.5	3.36		07/25/13 02:47	141-78-6	
Ethylbenzene	ND ug/m3		3.0	3.36		07/25/13 02:47	100-41-4	
4-Ethyltoluene	ND ug/m3		3.4	3.36		07/25/13 02:47	622-96-8	
n-Heptane	ND ug/m3		2.8	3.36		07/25/13 02:47	142-82-5	
Hexachloro-1,3-butadiene	ND ug/m3		7.4	3.36		07/25/13 02:47	87-68-3	
n-Hexane	ND ug/m3		2.4	3.36		07/25/13 02:47	110-54-3	
2-Hexanone	ND ug/m3		2.8	3.36		07/25/13 02:47	591-78-6	
Methylene Chloride	2.5 ug/m3		2.4	3.36		07/25/13 02:47	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND ug/m3		2.8	3.36		07/25/13 02:47	108-10-1	
Methyl-tert-butyl ether	ND ug/m3		2.5	3.36		07/25/13 02:47	1634-04-4	
Naphthalene	6.5 ug/m3		3.6	3.36		07/25/13 02:47	91-20-3	
Propylene	ND ug/m3		1.2	3.36		07/25/13 02:47	115-07-1	
Styrene	ND ug/m3		2.9	3.36		07/25/13 02:47	100-42-5	
1,1,2,2-Tetrachloroethane	ND ug/m3		2.3	3.36		07/25/13 02:47	79-34-5	
Tetrachloroethene	ND ug/m3		2.3	3.36		07/25/13 02:47	127-18-4	
Tetrahydrofuran	ND ug/m3		2.0	3.36		07/25/13 02:47	109-99-9	
Toluene	8.6 ug/m3		2.6	3.36		07/25/13 02:47	108-88-3	
1,2,4-Trichlorobenzene	ND ug/m3		5.1	3.36		07/25/13 02:47	120-82-1	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

Sample: IA-7'		Lab ID: 92165855007	Collected: 07/16/13 16:15	Received: 07/19/13 08:30	Matrix: Air			
Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
TO15 MSV AIR		Analytical Method: TO-15						
1,1,1-Trichloroethane	ND	ug/m3	3.7	3.36		07/25/13 02:47	71-55-6	
1,1,2-Trichloroethane	ND	ug/m3	1.8	3.36		07/25/13 02:47	79-00-5	
Trichloroethene	16.0	ug/m3	1.8	3.36		07/25/13 02:47	79-01-6	
Trichlorofluoromethane	ND	ug/m3	3.8	3.36		07/25/13 02:47	75-69-4	
1,1,2-Trichlorotrifluoroethane	ND	ug/m3	5.4	3.36		07/25/13 02:47	76-13-1	
1,2,4-Trimethylbenzene	ND	ug/m3	3.4	3.36		07/25/13 02:47	95-63-6	
1,3,5-Trimethylbenzene	ND	ug/m3	3.4	3.36		07/25/13 02:47	108-67-8	
Vinyl acetate	ND	ug/m3	2.4	3.36		07/25/13 02:47	108-05-4	
Vinyl chloride	ND	ug/m3	0.87	3.36		07/25/13 02:47	75-01-4	
m&p-Xylene	ND	ug/m3	5.9	3.36		07/25/13 02:47	179601-23-1	
o-Xylene	ND	ug/m3	3.0	3.36		07/25/13 02:47	95-47-6	

REPORT OF LABORATORY ANALYSIS

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QUALITY CONTROL DATA

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

QC Batch: AIR/17861 Analysis Method: TO-15
 QC Batch Method: TO-15 Analysis Description: TO15 MSV AIR Low Level
 Associated Lab Samples: 92165855001, 92165855002, 92165855003, 92165855004, 92165855005, 92165855006, 92165855007

METHOD BLANK: 1486301 Matrix: Air
 Associated Lab Samples: 92165855001, 92165855002, 92165855003, 92165855004, 92165855005, 92165855006, 92165855007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1-Trichloroethane	ug/m3	ND	1.1	07/24/13 15:10	
1,1,2,2-Tetrachloroethane	ug/m3	ND	0.70	07/24/13 15:10	
1,1,2-Trichloroethane	ug/m3	ND	0.55	07/24/13 15:10	
1,1,2-Trichlorotrifluoroethane	ug/m3	ND	1.6	07/24/13 15:10	
1,1-Dichloroethane	ug/m3	ND	0.82	07/24/13 15:10	
1,1-Dichloroethene	ug/m3	ND	0.81	07/24/13 15:10	
1,2,4-Trichlorobenzene	ug/m3	ND	1.5	07/24/13 15:10	
1,2,4-Trimethylbenzene	ug/m3	ND	1.0	07/24/13 15:10	
1,2-Dibromoethane (EDB)	ug/m3	ND	1.6	07/24/13 15:10	
1,2-Dichlorobenzene	ug/m3	ND	1.2	07/24/13 15:10	
1,2-Dichloroethane	ug/m3	ND	0.41	07/24/13 15:10	
1,2-Dichloropropane	ug/m3	ND	0.94	07/24/13 15:10	
1,3,5-Trimethylbenzene	ug/m3	ND	1.0	07/24/13 15:10	
1,3-Butadiene	ug/m3	ND	0.45	07/24/13 15:10	
1,3-Dichlorobenzene	ug/m3	ND	1.2	07/24/13 15:10	
1,4-Dichlorobenzene	ug/m3	ND	1.2	07/24/13 15:10	
2-Butanone (MEK)	ug/m3	ND	0.60	07/24/13 15:10	
2-Hexanone	ug/m3	ND	0.83	07/24/13 15:10	
4-Ethyltoluene	ug/m3	ND	1.0	07/24/13 15:10	
4-Methyl-2-pentanone (MIBK)	ug/m3	ND	0.83	07/24/13 15:10	
Acetone	ug/m3	ND	0.48	07/24/13 15:10	
Benzene	ug/m3	ND	0.32	07/24/13 15:10	
Bromodichloromethane	ug/m3	ND	1.4	07/24/13 15:10	
Bromoform	ug/m3	ND	2.1	07/24/13 15:10	
Bromomethane	ug/m3	ND	0.79	07/24/13 15:10	
Carbon disulfide	ug/m3	ND	0.63	07/24/13 15:10	
Carbon tetrachloride	ug/m3	ND	0.64	07/24/13 15:10	
Chlorobenzene	ug/m3	ND	0.94	07/24/13 15:10	
Chloroethane	ug/m3	ND	0.54	07/24/13 15:10	
Chloroform	ug/m3	ND	0.99	07/24/13 15:10	
Chloromethane	ug/m3	ND	0.42	07/24/13 15:10	
cis-1,2-Dichloroethene	ug/m3	ND	0.81	07/24/13 15:10	
cis-1,3-Dichloropropene	ug/m3	ND	0.92	07/24/13 15:10	
Cyclohexane	ug/m3	ND	0.70	07/24/13 15:10	L2
Dibromochloromethane	ug/m3	ND	1.7	07/24/13 15:10	
Dichlorodifluoromethane	ug/m3	ND	1.0	07/24/13 15:10	
Dichlorotetrafluoroethane	ug/m3	ND	1.4	07/24/13 15:10	
Ethyl acetate	ug/m3	ND	0.73	07/24/13 15:10	
Ethylbenzene	ug/m3	ND	0.88	07/24/13 15:10	
Hexachloro-1,3-butadiene	ug/m3	ND	2.2	07/24/13 15:10	
m&p-Xylene	ug/m3	ND	1.8	07/24/13 15:10	
Methyl-tert-butyl ether	ug/m3	ND	0.73	07/24/13 15:10	
Methylene Chloride	ug/m3	ND	0.71	07/24/13 15:10	

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QUALITY CONTROL DATA

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

METHOD BLANK: 1486301

Matrix: Air

Associated Lab Samples: 92165855001, 92165855002, 92165855003, 92165855004, 92165855005, 92165855006, 92165855007

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
n-Heptane	ug/m3	ND	0.83	07/24/13 15:10	
n-Hexane	ug/m3	ND	0.72	07/24/13 15:10	
Naphthalene	ug/m3	ND	1.1	07/24/13 15:10	
o-Xylene	ug/m3	ND	0.88	07/24/13 15:10	
Propylene	ug/m3	ND	0.35	07/24/13 15:10	
Styrene	ug/m3	ND	0.87	07/24/13 15:10	
Tetrachloroethene	ug/m3	ND	0.69	07/24/13 15:10	
Tetrahydrofuran	ug/m3	ND	0.60	07/24/13 15:10	
Toluene	ug/m3	ND	0.77	07/24/13 15:10	
trans-1,2-Dichloroethene	ug/m3	ND	0.81	07/24/13 15:10	
trans-1,3-Dichloropropene	ug/m3	ND	0.92	07/24/13 15:10	
Trichloroethene	ug/m3	ND	0.55	07/24/13 15:10	
Trichlorofluoromethane	ug/m3	ND	1.1	07/24/13 15:10	
Vinyl acetate	ug/m3	ND	0.72	07/24/13 15:10	
Vinyl chloride	ug/m3	ND	0.26	07/24/13 15:10	

LABORATORY CONTROL SAMPLE: 1486302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1-Trichloroethane	ug/m3	55.5	50.1	90	69-131	
1,1,2,2-Tetrachloroethane	ug/m3	69.8	74.5	107	66-135	
1,1,2-Trichloroethane	ug/m3	55.5	52.4	94	68-132	
1,1,2-Trichlorotrifluoroethane	ug/m3	77.9	65.9	85	65-130	
1,1-Dichloroethane	ug/m3	41.2	35.5	86	66-131	
1,1-Dichloroethene	ug/m3	40.3	33.3	83	64-136	
1,2,4-Trichlorobenzene	ug/m3	75.5	82.7	110	30-150	
1,2,4-Trimethylbenzene	ug/m3	50	56.4	113	71-135	
1,2-Dibromoethane (EDB)	ug/m3	78.1	87.5	112	72-132	
1,2-Dichlorobenzene	ug/m3	61.2	77.4	127	68-148	
1,2-Dichloroethane	ug/m3	41.2	38.0	92	66-136	
1,2-Dichloropropane	ug/m3	47	42.9	91	68-133	
1,3,5-Trimethylbenzene	ug/m3	50	54.4	109	69-136	
1,3-Butadiene	ug/m3	22.5	19.4	86	69-134	
1,3-Dichlorobenzene	ug/m3	61.2	70.2	115	70-134	
1,4-Dichlorobenzene	ug/m3	61.2	68.1	111	66-134	
2-Butanone (MEK)	ug/m3	30	30.8	103	69-141	
2-Hexanone	ug/m3	41.7	40.0	96	74-132	
4-Ethyltoluene	ug/m3	50	52.8	106	71-134	
4-Methyl-2-pentanone (MIBK)	ug/m3	41.7	36.6	88	74-131	
Acetone	ug/m3	24.2	21.6	89	62-142	
Benzene	ug/m3	32.5	29.1	90	72-136	
Bromodichloromethane	ug/m3	68.2	67.2	99	69-135	
Bromoform	ug/m3	105	125	119	72-133	
Bromomethane	ug/m3	39.5	34.5	87	65-125	
Carbon disulfide	ug/m3	31.7	27.9	88	68-127	

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QUALITY CONTROL DATA

Project: ATHERTON MILLS 6228-12-0051

Pace Project No.: 92165855

LABORATORY CONTROL SAMPLE: 1486302

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Carbon tetrachloride	ug/m3	64	59.4	93	64-133	
Chlorobenzene	ug/m3	46.8	50.6	108	65-135	
Chloroethane	ug/m3	26.8	22.9	85	63-129	
Chloroform	ug/m3	49.7	43.8	88	66-129	
Chloromethane	ug/m3	21	19.8	94	57-135	
cis-1,2-Dichloroethene	ug/m3	40.3	38.5	95	73-135	
cis-1,3-Dichloropropene	ug/m3	46.2	43.2	94	75-137	
Cyclohexane	ug/m3	35	24.9	71	73-139	L2
Dibromochloromethane	ug/m3	86.6	93.4	108	73-130	
Dichlorodifluoromethane	ug/m3	50.3	44.2	88	64-131	
Dichlorotetrafluoroethane	ug/m3	71.1	61.5	87	64-131	
Ethyl acetate	ug/m3	36.6	31.4	86	73-136	
Ethylbenzene	ug/m3	44.2	46.5	105	74-136	
Hexachloro-1,3-butadiene	ug/m3	108	123	113	30-150	
m&p-Xylene	ug/m3	44.2	45.2	102	72-135	
Methyl-tert-butyl ether	ug/m3	36.7	31.7	86	71-134	
Methylene Chloride	ug/m3	35.3	27.7	79	59-140	
n-Heptane	ug/m3	41.7	44.0	106	73-136	
n-Hexane	ug/m3	35.8	30.5	85	67-136	
Naphthalene	ug/m3	53.3	58.2	109	30-150	
o-Xylene	ug/m3	44.2	46.4	105	74-135	
Propylene	ug/m3	17.5	14.3	82	66-138	
Styrene	ug/m3	43.3	48.8	113	73-135	
Tetrachloroethene	ug/m3	69	70.6	102	66-135	
Tetrahydrofuran	ug/m3	30	26.9	90	73-130	
Toluene	ug/m3	38.3	37.8	99	71-134	
trans-1,2-Dichloroethene	ug/m3	40.3	36.2	90	68-129	
trans-1,3-Dichloropropene	ug/m3	46.2	41.6	90	75-129	
Trichloroethene	ug/m3	54.6	53.0	97	68-134	
Trichlorofluoromethane	ug/m3	57.1	49.5	87	61-134	
Vinyl acetate	ug/m3	35.8	30.0	84	70-139	
Vinyl chloride	ug/m3	26	22.2	85	64-134	

REPORT OF LABORATORY ANALYSIS

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QUALIFIERS

Project: ATHERTON MILLS 6228-12-0051
Pace Project No.: 92165855

DEFINITIONS

DF - Dilution Factor, if reported, represents the factor applied to the reported data due to changes in sample preparation, dilution of the sample aliquot, or moisture content.

ND - Not Detected at or above adjusted reporting limit.

J - Estimated concentration above the adjusted method detection limit and below the adjusted reporting limit.

MDL - Adjusted Method Detection Limit.

PRL - Pace Reporting Limit.

RL - Reporting Limit.

S - Surrogate

1,2-Diphenylhydrazine (8270 listed analyte) decomposes to Azobenzene.

Consistent with EPA guidelines, unrounded data are displayed and have been used to calculate % recovery and RPD values.

LCS(D) - Laboratory Control Sample (Duplicate)

MS(D) - Matrix Spike (Duplicate)

DUP - Sample Duplicate

RPD - Relative Percent Difference

NC - Not Calculable.

SG - Silica Gel - Clean-Up

U - Indicates the compound was analyzed for, but not detected.

N-Nitrosodiphenylamine decomposes and cannot be separated from Diphenylamine using Method 8270. The result reported for each analyte is a combined concentration.

Acid preservation may not be appropriate for 2-Chloroethylvinyl ether, Styrene, and Vinyl chloride.

Pace Analytical is TNI accredited. Contact your Pace PM for the current list of accredited analytes.

TNI - The NELAC Institute.

LABORATORIES

PASI-M Pace Analytical Services - Minneapolis

ANALYTE QUALIFIERS

1g The internal standard recoveries associated with this sample exceed the lower control limit (-40% of initial calibration standard). Results confirmed by second analysis.

L2 Analyte recovery in the laboratory control sample (LCS) was below QC limits. Results may be biased low.

REPORT OF LABORATORY ANALYSIS

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(828)254-7176

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9800 Kinsey Ave. Suite 100
Huntersville, NC 28078
(704)875-9092

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: ATHERTON MILLS 6228-12-0051
Pace Project No.: 92165855

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
92165855001	IA-1'	TO-15	AIR/17861		
92165855002	IA-2'	TO-15	AIR/17861		
92165855003	IA-3'	TO-15	AIR/17861		
92165855004	IA-4'	TO-15	AIR/17861		
92165855005	IA-5'	TO-15	AIR/17861		
92165855006	IA-6'	TO-15	AIR/17861		
92165855007	IA-7'	TO-15	AIR/17861		

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Air Sample Condition Upon Receipt

Client Name: AMEC Project #: _____

WO# : 92165855



92165855

Courier: Fed Ex UPS USPS Client
 Commercial Pace Other: _____

Tracking Number: 7962 4925 1145, 1226

Optional: Proj. Due Date: _____ Proj. Name: _____

Custody Seal on Cooler/Box Present? Yes No Seals Intact? Yes No

Packing Material: Bubble Wrap Bubble Bags Foam None Other: _____

Temp. (TO17 and TO13 samples only) (°C): AMB Corrected Temp (°C): _____ Thermom. Used: B88A912167504 80512447 73337080
 Temp should be above freezing to 6°C Correction Factor: _____ Date & Initials of Person Examining Contents: 7-19-13 AD

Comments:

Chain of Custody Present?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	1.
Chain of Custody Filled Out?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	2.
Chain of Custody Relinquished?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	3.
Sampler Name and/or Signature on COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	4.
Samples Arrived within Hold Time?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	5.
Short Hold Time Analysis (<72 hr)?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	6.
Rush Turn Around Time Requested?	<input type="checkbox"/> Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> N/A	7.
Sufficient Volume?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	8.
Correct Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	9.
-Pace Containers Used?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	
Containers Intact?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	10.
Media:	<u>AMB (CAN)</u>	11.
Sample Labels Match COC?	<input checked="" type="checkbox"/> Yes <input type="checkbox"/> No <input type="checkbox"/> N/A	12.

Samples Received: 7 CANS, 7 FC'S

Canisters		Flow Controllers		Stand Alone G	
Sample Number	Can ID	Sample Number	Can ID	Sample Number	Can ID
<u>IA-1'</u>	<u>1088</u>	<u>FC0216</u>			
<u>IA-2'</u>	<u>1513</u>	<u>FC0228</u>			
<u>IA-3'</u>	<u>1601</u>	<u>FC0227</u>			
<u>IA-4'</u>	<u>1286</u>	<u>FC0130</u>			
<u>IA-5'</u>	<u>1609</u>	<u>FC0285</u>			
<u>IA-6'</u>	<u>2024</u>	<u>FC0293</u>			
<u>IA-7'</u>	<u>1638</u>	<u>FC0217</u>			

CLIENT NOTIFICATION/RESOLUTION

Field Data Required? Yes No

Person Contacted: _____ Date/Time: _____

Comments/Resolution: _____

Project Manager Review: AD

Date: 7/22/13

Note: Whenever there is a discrepancy affecting North Carolina compliance samples, a copy of this form will be sent to the North Carolina DEHNR Certification Office (i.e. out of hold, incorrect preservative, out of temp, incorrect containers)



AIR: CHAIN-OF-CUSTODY / Analytical Request Document

The Chain-of-Custody is a LEGAL DOCUMENT. All relevant fields must be completed accurately.

Section A Required Client Information: Section B Required Project Information: Section C Invoice Information: 10511 Page: 1 of 1

Company: **AMEC** Report To: **Andrew Franz** Attention: **Andrew Franz**

Address: **2001 Yorkwood Rd** Copy To: **Andrew Franz** Company Name: **AMEC**

Email To: **Charles McRae** Purchase Order No.: **0220-12-0551** Address: **Atwater Mill**

Phone: **612-222-1200** Fax: **612-222-1201** Project Name: **Atwater Mill** Pace Project Manager/Sales Rep: **Kevin Godwin**

Requested Due Date/TAT: **Normal** Project Number: **0220-12-0551** Pace Profile #: **92105855**

ITEM #	Section D Required Client Information AIR SAMPLE ID Sample IDs MUST BE UNIQUE	Valid Media Codes MEDIA CODE Teller Bag TB 1 Liter Summa Can 1LC 6 Liter Summa Can 6LC Low Volume Puff LVP High Volume Puff HVP Other PM10	COLLECTED		Canister Pressure (Initial Field - psig)	Canister Pressure (Final Field - psig)	Summa Can Number	Flow Control Number	Method:	
			DATE	TIME						
1	IA-1'		7-16-13	935	1735	-30	0	1088	216	PM10
2	IA-2'		7-16-13	945	1745	-30	0	1513	278	3C-Fixed Gas (%)
3	IA-3'		7-16-13	953	1753	-30	-2	1601	30	TO-3
4	IA-4'		7-16-13	1000	1800	-30	-2	1609	05	TO-3M (Methane)
5	IA-5'		7-16-13	1110	1910	-30	0	2024	293	TO-4 (PCBs)
5	IA-6'		7-16-13	015	1915	-30	-19	1638	17	TO-13 (PAH)
7	IA-7'		7-16-13	015	1915	-30	-19	1638	17	TO-14
8										TO-15 Low Level
9										TO-15 Short List
10										Pace Lab ID
11										
12										

Comments: RELINQUISHED BY / AFFILIATION DATE TIME ACCEPTED BY / AFFILIATION DATE TIME SAMPLE CONDITIONS

RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS
Andrew Franz AMEC	7-13-13		Andrew Franz	7-13-13		Temp in °C Received on ice Custody Sealed Cooler Samples Intact

ORIGINAL