above ground storage tank
air quality
asbestos/lead-based paint
baseline environmental assessment
brownfield redevelopment
building/infrastructure restoration
caisson/piles
coatings
concrete
construction materials services
corrosion
dewatering
drilling
due care analysis
earth retention system
environmental compliance
environmental site assessment
facility asset management
failure analyses
forensic engineering
foundation engineering
geodynamic/vibration
geophysical survey
geosynthetic
greyfield redevelopment
ground modification
hydrogeologic evaluation
industrial hygiene
indoor air quality/mold
instrumentation
masonry/stone
metals
nondestructive testing
pavement evaluation/design
property condition assessment
regulatory compliance
remediation
risk assessment
roof system management
sealants/waterproofing
settlement analysis
slope stability
storm water management
structural steel/welding
underground storage tank

HAZARDOUS MATERIALS ASSESSMENT

FORMER H.K. PORTER FACILITY
1849 EAST SABINE STREET
HUNTINGTON, INDIANA

SME Project Number: 068260.00.001
October 16, 2013

Prepared for:

Mr. Anthony Goodnight, PE
Director of Public Works
City of Huntington
300 Cherry St.
Huntington, Indiana 46750

Soil and Materials Engineers, Inc.

Soil and Materials Engineers, Inc.
5847 W. 74th St.
Indianapolis, IN 46278-1757

tel (317) 876-0200
fax (317) 876-0300
www.sme-usa.com

October 16, 2013

Mr. Anthony Goodnight, PE
Director of Public Works
City of Huntington
300 Cherry St.
Huntington, Indiana 46750

Re: Hazardous Materials Assessment
Former H.K. Porter Facility
1849 East Sabine Street
Huntington, Indiana
SME Project Number: 068260.00.001

Dear Mr. Goodnight:

Soil and Materials Engineers, Inc. (SME) has completed the hazardous materials assessment of the structures located at 1849 East Sabine Street in Huntington, Indiana. The hazardous materials assessment was conducted prior to the planned demolition of the structures.

We appreciate this opportunity to provide these services to the City of Huntington during this phase of the project. Should you have questions concerning this report or require additional services, please contact us.

Sincerely,

SOIL AND MATERIALS ENGINEERS, INC.

Steven A. Reutter
Staff Geologist

Mark A. Halloway, OHST
Senior Project Consultant

Distribution: 2 Hard Copies, 2 CD's

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EXECUTIVE SUMMARY

We completed a Hazardous Materials Assessment of the structures located at 1849 East Sabine Street, Huntington, Indiana (the Property), to assist with identification of asbestos-containing materials (ACMs), lead-bearing paints, and other hazardous materials. At the time of our assessment, the Property was developed with an approximately 108,000 square foot manufacturing building, a 6,200 square foot, two-story office building, and three smaller outbuildings.

FINDINGS

We identified the following ACMs in the buildings:

- Approximately 930 square feet of window glazing associated with fourteen (14) types of windows on approximately 600 windows;
- Approximately 4,000 square feet of vinyl floor tile and some associated asbestos-containing mastics on ten separate types of floor tile;
- Approximately 3,200 square feet of wood panel mastic in the office building;
- Approximately 400 square feet of glue pods on a collapsed office ceiling;
- Approximately 3,000 square feet of cementitious paneling comprised of three types of panels;
- Approximately 2 square feet of forced air duct gasket material;
- Approximately 15 linear feet of pre-formed block thermal system insulation (TSI);
- Approximately 24 linear feet of corrugated TSI on two types of steam lines;
- Approximately 2 square feet of oven door gasket material;
- Approximately 90 square feet of blown-in insulation for ovens;
- Approximately 1,800 square feet of oven wall insulating material;
- Approximately 6 square feet of sheet circuit breaker box insulation material;
- Approximately 1.5 square feet of white building caulk;
- Approximately 5 square feet of black asphaltic roofing caulk; and
- Approximately 42,500 square feet of asphaltic roofing comprised of four distinct roofing systems.

In addition, several samples of non-building materials contained concentrations of asbestos. These materials included brake pads, gasket cloth, and two samples of floor debris.

Analytical results for four materials sampled, including two types of window glazing, one type of block mortar, and one type of wall panel mastic, contained trace concentrations of detectable asbestos (less than < 1% asbestos). As such, the window glazing, block mortar, and wall panel mastic with trace asbestos are not considered ACMs and are not regulated by the United States Environmental Protection Agency (EPA) National Emissions Standards for Hazardous Air Pollutant (NESHAP) asbestos regulation (40 CFR 61 M) regarding renovation or demolition.

Results from analyses of paint chip samples indicated the presence of lead in the paints sampled and analyzed, meaning they are considered lead-bearing paint according to the Occupational Safety and Health Administration criterion. Seven paint samples had lead concentrations greater than 0.5% lead by weight and are considered lead based paints. Seven paint samples had lead concentrations less than 0.5% but greater than 0.06% lead by weight; and are considered lead bearing paints. Five paint samples had lead concentrations less than 0.06% lead by weight, and the remaining two samples did not contain lead above laboratory detection limits.

We observed approximately 350 fluorescent light ballasts in the building. Six oil-type transformers were located throughout the buildings. These light ballasts and transformers may contain polychlorinated biphenyls (PCBs). No other suspect polychlorinated biphenyl (PCB) equipment was found in the structures. We identified the following sources of mercury: approximately 800 fluorescent light tubes and one mercury switch on a thermostat. Miscellaneous chemicals were found throughout the structure in varying quantities.

A heating oil above-ground storage tank (AST) was located on the south-central portion of the Property. Access to the heating oil AST was restricted and we were unable to gauge the level of fluid in the tank or obtain a sample for analytical testing. A total of six benzene ASTs were located in the yarn treating and mixing areas. One solvent underground storage tank (UST) was identified in the southwest portion of the Property. Only residual levels of liquid remained in the UST at the time of our assessment. Details of miscellaneous materials are provided in Table 3.

Representative samples of sludge and various liquids were obtained from tanks and pits throughout the Property. The results of laboratory analysis of these samples are provided in Appendix C and summarized in Table 4. A diagram depicting the approximate locations of each of these features is provided as Figure 1.

Some building materials exhibited signs of water damage and showed visual evidence of mold growth within the building.

1.0 INTRODUCTION

We have completed the hazardous materials assessment of the structures located at 1849 East Sabine Street, in the City of Huntington, Indiana (the Property). We conducted the assessment activities to assist with identification of asbestos-containing materials (ACMs), lead-bearing paints, and other hazardous materials. The Property was developed with an approximately 108,000 square foot manufacturing building, a 6,200 square foot, two-story office building, and three smaller outbuildings. We performed the assessment in accordance with our Task/Work Authorization order (P01837.13) dated July 23, 2013.

The assessment services provide information to assist in complying with the United States Environmental Protection Agency (EPA) requirements for inspection of commercial buildings prior to renovation or demolition under the National Emissions Standards for Hazardous Air Pollutants (NESHAP 40 CFR Part 61). The assessment also provides information to assist in compliance with the Occupational Safety and Health Administration (OSHA) Asbestos Construction Standard [29 CFR Part 1926.1101(k)] and the OSHA Lead Exposure in Construction Standard (29 CFR 1926.62) regarding communication of hazards.

SME team members Mr. Steven Reutter (Certification #19A005358), Ms. Laura Welsh (Certification #19A005746), and Mr. Casey Smith (Certification #19A003866), trained in accordance with the EPA regulations and accredited as Asbestos Inspectors by the Indiana Department of Environmental Management under the requirements of Chapter 326 18-1 of the Indiana Administrative Code, as amended, conducted the hazardous materials assessment field activities.

2.0 VISUAL ASSESSMENT AND SAMPLING

SME's assessment team conducted the assessment field activities on September 16 through September 20, 2013. We conducted a visual assessment of the building to identify suspect ACMs, potential lead-bearing paints, potential mercury and/or polychlorinated biphenyl (PCB) containing equipment and devices, and other miscellaneous hazardous materials within the structures.

2.1 Suspect ACMs

During the visual assessment of the building, we identified and estimated quantities of the suspect ACMs within the buildings prior to sampling. We observed 135 types of suspected ACMs during our assessment of the building.

SME's project team assigned a unique homogeneous area (HA) number to each suspect ACM observed during the assessment. A homogenous area, as defined by the EPA's Asbestos Hazard Emergency Response Act (AHERA, 40 CFR Part 763), is an area of TSI, surfacing material, or miscellaneous material that appears uniform in color and texture. According to EPA and OSHA regulations, building materials that contain greater than one percent (1%) asbestos are considered ACMs.

Following the visual assessment, SME's project team collected 236 samples from the 135 suspect homogenous areas of ACMs in accordance with the EPA's AHERA assessment protocol (40 CFR Part 763), which is also referenced by the OSHA regulations. A summary of the descriptions, ACM content, estimated quantity, friability, and locations of the materials sampled is presented in Table 1.

We submitted the suspect ACM bulk samples collected during the assessment to International Asbestos Testing Laboratories (IATL), a laboratory accredited by the National Institute of Standards and Technology (NIST) under the requirements of the National Voluntary Laboratory Accreditation Program (NVLAP), for asbestos analysis of the bulk samples via Polarized Light Microscopy (PLM). Samples found to contain less than ten percent (10%) asbestos via the visual estimation method of PLM were further verified via the "Point Count Method" as defined by the EPA's AHERA regulation (40 CFR Part 763). The Chain-of-Custody forms and analytical data for the suspect asbestos samples are included in Appendix A of this report.

2.2 Lead

SME's project team identified the painted structural interior and exterior surfaces for each of the buildings and collected chip samples of paints suspected to be lead-bearing. A summary of the descriptions, locations, and the analytical results of the suspected lead-bearing paints is presented in Table 2. We submitted the paint-chip samples to IATL, which is accredited by the American Industrial Hygiene Association (AIHA) Environmental Lead Laboratory Accreditation Program (ELLAP), for lead analysis of the paint chip samples via atomic absorption spectrophotometry (AAS). The Chain-of-Custody forms and analytical data for the suspect lead-bearing paint samples are included in Appendix B.

2.3 Other Hazardous Materials

SME's project team visually assessed suspected sources of mercury, polychlorinated biphenyls (PCBs), mold, and other hazardous materials. A list of these materials observed within the building is presented in Table 3. Samples of materials obtained from the above-ground storage tanks and machinery pits were obtained to assist in determining potential disposal concerns. These samples were analyzed for Volatile Organic Compounds (VOCs), Semi Volatile Organic Compounds (SVOCs), and/or Polychlorinated Biphenyls (PCBs) based on anticipated contents of the tanks or pits. Results of the analyses from the tanks and machinery pits are provided in Table 4. A diagram depicting the locations of the samples collected from the tanks and pits is provided as Figure 1. The scope of the assessment did not include sampling potential biological concerns such as molds or fungi.

3.0 ANALYTICAL RESULTS

Results from analyses of samples collected from potential asbestos-containing materials and lead-bearing paints and observations of other hazardous materials are presented in the following subsections. The information presented below also includes information about previous assessments, assessment limitations, and applicable regulations.

3.1 Asbestos

Results from analyses of the samples from potential asbestos-containing materials (HA1 through HA135) are summarized in Table 1. The results from PLM analyses indicated that samples of 39 materials contained greater than 1% asbestos and are considered ACMs. Asbestos was detected in two types of window glazing, one type of block mortar, and one mastic sample at trace concentrations (less than 1% asbestos by weight). The materials with trace detections are not considered ACMs. No asbestos was detected in the remaining bulk samples of suspect ACMs collected in the buildings.

3.1.1 Thermal System Insulation

SME's project team observed asbestos-containing TSI throughout the structure. The TSI present was pre-formed block insulation on pipes, corrugated insulation on pipes, gaskets and wall insulating materials in ovens, and as backing to a circuit breaker box. The various types of asbestos-containing TSI are considered to be friable ACMs and have the potential to release asbestos fibers if disturbed or improperly removed. According to EPA regulations, asbestos TSI must be removed prior to demolition activities that will disturb it. Although we performed limited destructive assessment of interstitial spaces within the building, we did not assess every interstitial space and it is possible that limited areas of concealed ACM TSI may be present within oven walls and on the pipe systems within the interstitial spaces of the building that were not assessed.

3.1.2 Flooring Materials and Mastics

SME's project team noted ten asbestos-containing flooring materials and three asbestos containing mastics within the structure. These materials included floor tile and associated mastic, and wall panel mastic materials. The flooring materials and mastics were nonfriable and in good condition at the time of the assessment.

3.1.3 Window Glazing

SME's project team observed fourteen types of asbestos-containing window glazing within the structures. Each of the asbestos-containing window glazings observed was weathered and damaged at the time of the assessment.

3.1.4 Cementitious Paneling

The cementitious wall and ceiling panels were observed to be in good condition at the time of the assessment. The laboratory identified the samples of the cementitious panels as Transite®, a trade name for cementitious asbestos products.

3.1.5 Caulk

The white building caulk and black roofing caulk were observed to be in good condition at the time of the assessment.

3.1.6 Glue Pods

The asbestos-containing glue pods in the northwest raw material storage office were observed to be in good condition at the time of the assessment.

3.1.7 Roofing Materials

The asbestos containing roofing materials were in good condition at the time of the assessment.

3.1.8 Regulatory Information Regarding Asbestos Removal and Demolition

Demolition or renovation workers performing Class II asbestos work are required to have eight hours of asbestos training plus additional training specific to each type of the asbestos materials present in the work area. An individual who has completed a 40-hour asbestos supervisor training course must supervise the work. In the absence of a Negative Exposure Assessment (NEA), personal exposure monitoring of the on-site demolition personnel would be required during work involving the asbestos-containing materials. Hazard communication requirements contained in the OSHA asbestos standard would also apply. Specific work practices, including the use of respirators and personal protective equipment, and restrictions related to the material(s) would apply. Personal exposure monitoring of the personnel on site would be required during demolition. In addition, hazard communication requirements contained in the OSHA asbestos standard related to multiple employer work sites would apply.

According to 40 CFR Part 61, ACMs which could be expected to be disturbed and become friable must be removed prior to demolition and renovation activities. If greater than

160 square feet, 260 linear feet, or 35 cubic feet of asbestos will be removed, the Indiana Department of Environmental Management (IDEM) must be notified ten working days (14 calendar days) prior to the start of the asbestos removal work. The *Notification of Demolition and Renovation Operations* form must be used for IDEM notifications. This form, Form 44593, can be downloaded from the IDEM Forms web page.[1]

Please note, the *Notification of Demolition and Renovation Operations* form required by the EPA NESHAP regulations must be prepared and submitted to the IDEM at least 10 working days prior to demolition of a building, regardless of whether or not ACMs are present in the building. The demolition contractor is responsible for submitting a notification prior to demolition of a building.

3.2 Lead

Results from AAS analyses of the 22 samples of suspected lead-bearing paints SME's project team collected from the interior and exterior of the buildings are presented in Table 2. The laboratory analysis report is attached in Appendix B. Lead was detected in each of the paint chip samples analyzed; therefore, the paints are considered lead-bearing paint according to the OSHA criterion. The OSHA Lead Exposure in Construction Standard is applicable to construction activities when lead is present regardless of the concentrations of lead in paints.

3.3 Polychlorinated Biphenyls (PCBs)

SME's project team observed approximately 350 fluorescent light fixtures in the buildings. Fluorescent light fixture ballasts produced prior to 1978 are commonly known to have contained PCBs. We visually assessed the ballasts in 47 of the fluorescent light fixtures. Eighteen of the ballasts SME's team visually assessed were not affixed with labels indicating PCB content. The remaining 29 light ballasts assessed were affixed with a "Non-PCB" label. Based on these observations, it is likely that most of the light ballasts in the building are non-PCB; however, the ballasts in the remaining light fixtures not checked or not affixed with "Non-PCB" labels may contain PCBs.

Six wall mounted oil-type electrical transformers were also observed on the Property. No staining was observed in the vicinity of the transformers. Two transformers had labels indicating that they did not contain PCBs. Four of these transformers did not have labeling indicating PCB content or age. Given the apparent age of these unlabeled transformers, it is possible that they may contain PCBs.

[1] Notification of Demolition and Renovation Operations:
http://www.in.gov/idem/5157.htm#oaq_compliance_asbestos

3.4 Mercury

Fluorescent light tubes, if destroyed or improperly disposed, can be a source of mercury vapors. Observed mercury-containing equipment is presented in Table 3. SME's project team observed approximately 800 fluorescent light tubes and one elemental mercury switch in a thermostat. Disposal of 350 or more fluorescent light tubes and lamps or other mercury-contaminated items, in excess of an accumulated total of 220 pounds, may constitute a regulated amount of hazardous waste that may require specific handling and disposal procedures in accordance with the Resource Conservation and Recovery Act (RCRA, 40 CFR Part 273) hazardous waste requirements or the RCRA universal waste requirements.

3.5 Miscellaneous Chemical Products and Biological Hazards

3.5.1 Chemical Products

Lists of the observed chemicals are provided in Table 3. We observed chemical containers of various sizes throughout the building. A total of six above-ground storage tanks (ASTs), labeled as containing benzene, were located in the yarn treating and wet mixing areas. Seven mixing vats were also located in the benzene mixing area. An approximately 30,000-gallon fuel oil AST was also observed on the south-central portion of the Property. We were unable to gain access to the fuel oil AST to determine the quantity of fuel remaining in the tank. An underground storage tank (UST) of unknown length, but approximately 10 feet in diameter, was observed on the southwest side of the mixing area which contained only a residual volume of fluid. Multiple machinery pits were also present throughout the facility. Several grab samples were obtained from the benzene tanks and machinery pits. Locations of these samples are depicted in Figure 1. Analytical results for the samples collected are provided in Table 4.

3.5.2 Biological Hazards

SME's project team observed visible microbial growth and/or water-damaged building materials throughout office building where the roof had failed. However, as the building has been impacted by water damage, unobserved mold and fungi may be present inside the walls and/or above the ceiling of the building.

4.0 LIMITATIONS

SME's project team conducted limited destructive assessment of wall cavities, ceilings, floor surfaces, and other interstitial spaces within the buildings. However, we did not assess every wall cavity and ceiling space within the building or demolish floor surfaces. Concealed ACMs may exist in spaces that were not assessed. Selective demolition of unassessed spaces should be conducted to expose concealed spaces such as these prior to initiation of demolition activities to assess for the presence of concealed ACMs, ideally during the abatement phase to minimize project schedule delays. If suspect ACMs are encountered for which no analytical data exists, the material(s) should remain undisturbed until the asbestos content of the material(s) is determined in accordance with EPA and OSHA regulations.

The quantities presented in our report are intended to be "Order of Magnitude" estimates and the estimated quantities and other information in this report should not be used as an exclusive source of information for bid formulation or for notification to regulatory agencies.

Laboratory descriptions of materials analyzed by PLM method for asbestos content were based upon the microscopists' perceptions of bulk samples that were pulverized and prepared with dispersion oils for PLM analysis. Due to the preparation of the sampled materials and the minute level of observation by the laboratory personnel, the descriptions on the Certificates of Analysis may not match the sample descriptions recorded by SME's project team in the field. Our sample descriptions and locations should be used to identify materials that were sampled and our sample numbers should be used to correlate analytical results for the sampled materials.

5.0 GENERAL COMMENTS

In the process of obtaining the field information presented in this report, we followed procedures that represent reasonable and accepted industrial hygiene practices and principles, in a manner consistent with that level of care and skill ordinarily exercised by members of this profession currently practicing under similar conditions. We understand the City of Huntington will rely upon the professional opinions and representations contained in this report. However, the information and opinions contained within this report are not to be construed a warranty of the conditions of this site in any way, implied or explicit. No other party may rely upon our opinions, conclusions or reports unless SME has agreed to such reliance in writing.

FIGURE

Oct 04, 2013 - 12:14pm - jblake
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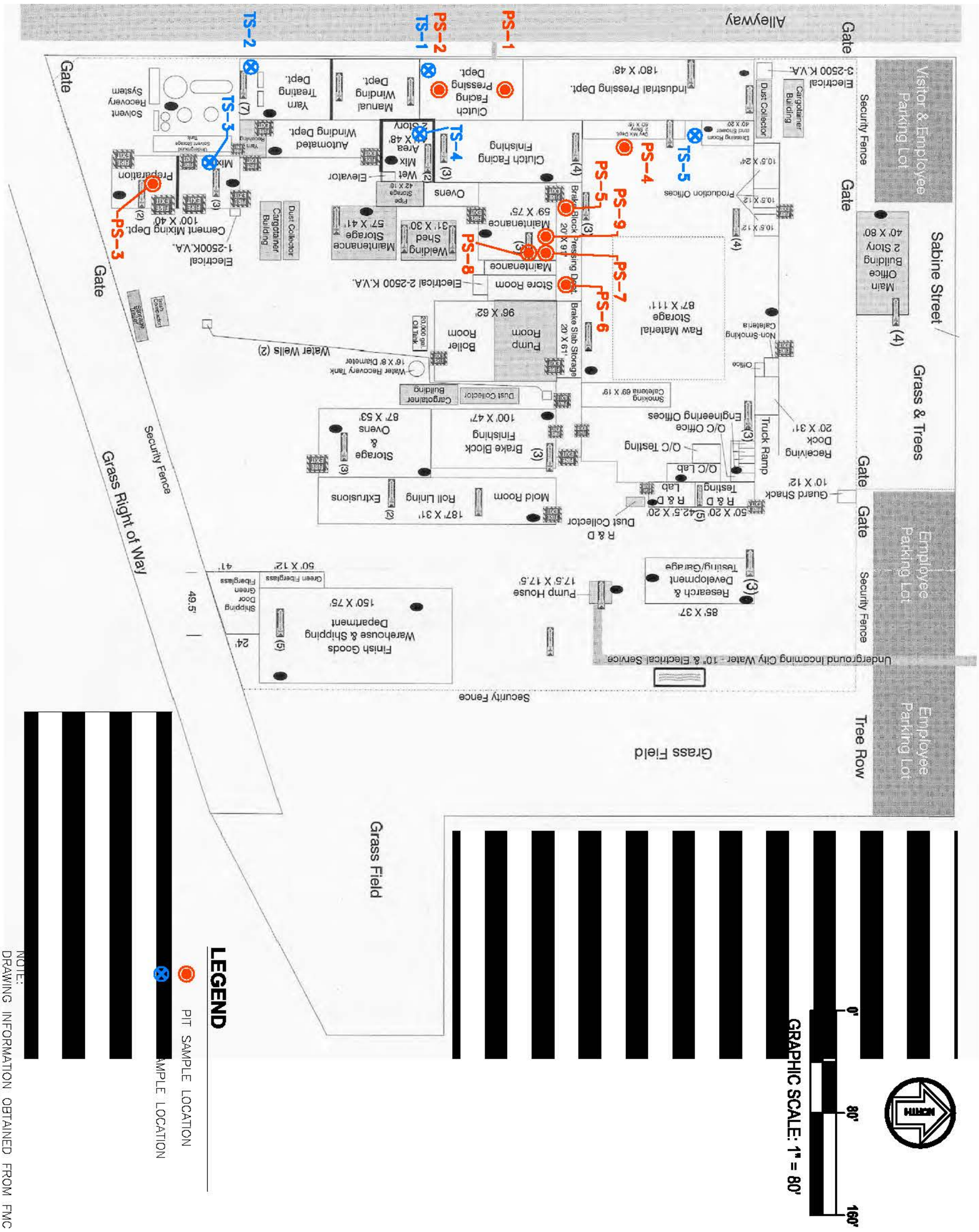

Figure No. 1

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Date	10-4-13
Drawn By	JAB
Designed By	SAR
Scale	1" = 80'
Project	068260.00.001

TEST PIT AND SAMPLE LOCATION DIAGRAM
LIMITED PHASE II INVESTIGATION
FORMER H. K. PORTER FACILITY
1849 EAST SABINE STREET
HUNTINGTON, INDIANA

No.	Revision Date

ASBESTOS BULK SAMPLING RESULTS TABLE

TABLE 1

ASBESTOS BULK SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

HA #	MATERIAL DESCRIPTION	ACM/ NON-ACM	ESTIMATED QUANTITY	FRIABLE/ NONFRIABLE	LOCATION
60	White ½" bead window glazing	**ACM**	3 sq. ft. 2 windows	Nonfriable**	Guard shack on 4 pane windows
61	Brick Mortar	Non-ACM	NQ	Nonfriable	Raw materials storage
62	White ½" bead window glazing	**ACM**	275 sq. ft. 66 windows	Nonfriable**	Raw materials storage, receiving dock & Q/C engineering on 20 pane windows
63	Brown glue pods	**ACM**	400 sq. ft.	Nonfriable	Raw materials storage on demolished office area ceiling
64	White ¼" bead window glazing Black tar	Non-ACM* **ACM**	62 sq. ft. 326 windows	Nonfriable Nonfriable	Raw materials storage on single pane windows
65	Wallboard Ceiling	Non-ACM	~500 sq. ft.	Nonfriable	Raw materials storage
66	Block mortar on red block 12" x 12"	Non-ACM*	NQ	Nonfriable	Raw materials storage
67	Block mortar on gray newer block	Non-ACM	NQ	Nonfriable	Raw materials storage
68	White ½" bead window glazing	**ACM**	265 sq. ft. 85 windows	Nonfriable**	Yarn treating, Manual winding & Brake slab storage room on 15 pane windows
69	White ½" bead window glazing	Non-ACM	45 sq. ft. 6 windows	Nonfriable	Pump/boiler room on 36 pane windows

TABLE 1

ASBESTOS BULK SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

HA #	MATERIAL DESCRIPTION	ACM/ NON-ACM	ESTIMATED QUANTITY	FRIABLE/ NONFRIABLE	LOCATION
70	White ½" bead window glazing	**ACM**	13 sq. ft. 5 windows	Nonfriable**	Pump/boiler room on 12 pane windows
71	White ½" bead window glazing	**ACM**	17 sq. ft. 5 windows	Nonfriable**	Pump/boiler room on 16 pane windows
72	White ½" bead window glazing	**ACM**	65 sq. ft. 33 windows	Nonfriable**	Pump/boiler room on 9 pane windows
73	Black gasket caulk	Non-ACM	2 sq. ft.	Nonfriable	Wet mix area
74	White window caulk, ½" bead	Non-ACM	1 sq. ft.	Nonfriable	Clutch facing finishing
75	Grey building caulk, ½" bead	Non-ACM	1 sq. ft.	Nonfriable	Automated winding
76	White surfacing material on air handler	Non-ACM	80 sq. ft.	Nonfriable	Automated winding
77	Wallboard ceiling	Non-ACM	110 sq. ft.	Nonfriable	Yarn receiving
78	Grey block mortar	Non-ACM	NQ	Nonfriable	Yarn receiving
79	Grey cementitious panels, 2' x 4'	**ACM**	700 sq. ft.	Nonfriable**	Yarn treating machinery
80	Yarn in machines	Non-ACM	~10 sq. ft.	Nonfriable	Yarn from yarn treating machinery
81	Red 9" x 9" floor tile Black mastic	**ACM** Non-ACM	5 sq. ft.	Nonfriable Nonfriable	Clutch facing pressing
82	Green 9" x 9" floor tile Black mastic	**ACM** Non-ACM	20 sq. ft.	Nonfriable Nonfriable	Clutch facing pressing

TABLE 1

ASBESTOS BULK SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

HA #	MATERIAL DESCRIPTION	ACM/ NON-ACM	ESTIMATED QUANTITY	FRIABLE/ NONFRIABLE	LOCATION
83	Block mortar	Non-ACM	NQ	Nonfriable	Clutch facing pressing
84	Block mortar	Non-ACM	NQ	Nonfriable	Industrial pressing
85	Carpet mastic, white	Presumed ACM	370 sq. ft.	Nonfriable	Dressing room and shower
86	White 2' x 4' ceiling tile, wormhole with pinholes	Non-ACM	300 sq. ft.	Friable	QC office hallway
87	White 12" x 12" floor tile Tan mastic	Non-ACM Non-ACM	300 sq. ft.	Nonfriable Nonfriable	QC office hallway
88	Carpet mastic	Non-ACM	500 sq. ft.	Nonfriable	QC office hallway
89	Wallboard wall and ceiling	Non-ACM	450 sq. ft.	Nonfriable	QC office hallway
90	Grey cementitious wall panel, 2' x 4'	**ACM**	150 sq. ft.	Nonfriable**	QC office hallway
91	Dark gray/brown 12" x 12" floor tile, Tan mastic	**ACM** Non-ACM	100 sq. ft.	Nonfriable Nonfriable	QC office hallway
92	White wallboard walls White joint compound	Non-ACM Non-ACM	280 sq. ft.	Nonfriable Nonfriable	QC office hallway
93	White wallboard walls	Non-ACM	260 sq. ft.	Nonfriable	Mezzanine
94	Electrical breaker box insulation, Off-white fibrous sheet	**ACM**	6 sq. ft.	Friable	Mezzanine circuit breaker box insulation

TABLE 1

ASBESTOS BULK SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

HA #	MATERIAL DESCRIPTION	ACM/ NON-ACM	ESTIMATED QUANTITY	FRIABLE/ NONFRIABLE	LOCATION
95	White 2' x 4' ceiling tile, sharp wormhole with pinholes	Non-ACM	150 sq. ft.	Friable	QC area lab
96	White 2' x 4' ceiling tile, bumpy with pinholes	Non-ACM	500 sq. ft.	Friable	QC area lab
97	White wallboard walls White joint compound	Non-ACM Non-ACM	475 sq. ft.	Nonfriable Nonfriable	QC testing
98	White 1' x 1' ceiling tile, flat	Non-ACM	650 sq. ft.	Friable	QC testing
99	Grayish blue 12" x 12" floor tile Yellow mastic	Non-ACM Non-ACM	560 sq. ft.	Nonfriable Nonfriable	QC testing
100	Grey cementitious ceiling panel, 2' x 4' White sheetrock	**ACM** Non-ACM	2,100 sq. ft.	Nonfriable** Nonfriable	Over smoking cafeteria
101	White 2' x 4' fibrous ceiling tile	Non-ACM	120 sq. ft.	Friable	Center mezzanine office
102	White 2' x 4' ceiling tile, linear wormholes	Non-ACM	570 sq. ft.	Friable	QC testing/office hallway & smoking cafeteria
103	White 1' x 1' ceiling tile with holes	Non-ACM	800 sq. ft.	Friable	Smoking cafeteria
104	White 1' x 1' ceiling tile smooth	Non-ACM	450 sq. ft.	Friable	Smoking cafeteria

TABLE 1

ASBESTOS BULK SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

HA #	MATERIAL DESCRIPTION	ACM/ NON-ACM	ESTIMATED QUANTITY	FRIABLE/ NONFRIABLE	LOCATION
105	Gray 12" x 12" floor tile Grey mastic	Non-ACM Non-ACM	1,250 sq. ft.	Nonfriable Nonfriable	Smoking cafeteria
106	Wallboard wall, unfinished	Non-ACM	50 sq. ft.	Nonfriable	Smoking cafeteria
107	White window caulk	Non-ACM	62 sq. ft. 33 windows	Nonfriable	Smoking cafeteria on 9 pane windows
108	Black asphaltic roofing	Non-ACM	3,000 sq. ft.	Nonfriable	Research and development garage
109	Black asphaltic roofing	**ACM**	4,000 sq. ft.	Nonfriable	Brake block finishing
110	Black asphaltic roofing	Non-ACM	420 sq. ft.	Nonfriable	Pump/boiler room
111	Black asphaltic roof caulk, ½" bead	**ACM**	5 sq. ft.	Nonfriable	Automated winding/yarn treating
112	Black asphaltic roofing	**ACM**	7,500 sq. ft.	Nonfriable	Industrial pressing
113	Black asphaltic roofing	Non-ACM	4,000 sq. ft.	Nonfriable	Manual Winding
114	Black asphaltic roofing	**ACM**	1,800 sq. ft.	Nonfriable	Clutch facing finishing
115	Black asphaltic roofing	Non-ACM	3,000 sq. ft.	Nonfriable	Yarn treating
116	Black asphaltic roofing	Non-ACM	2,300 sq. ft.	Nonfriable	Automated winding
117	Green asphaltic shingles	Non-ACM	180 sq. ft.	Nonfriable	Yarn receiving
118	White surfacing on air handler unit	Non-ACM	2,800 sq. ft.	Nonfriable	Yarn treatment area

TABLE 1

ASBESTOS BULK SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

HA #	MATERIAL DESCRIPTION	ACM/ NON-ACM	ESTIMATED QUANTITY	FRIABLE/ NONFRIABLE	LOCATION
119	Black asphaltic roofing	**ACM**	29,000 sq. ft.	Nonfriable	Raw materials storage
120	Circuit breaker insulation, white	Non-ACM	NQ	Nonfriable	Throughout buildings
121	Circuit breaker insulation, gray	Non-ACM	NQ	Nonfriable	Mezzanine
122	Cementitious vertical wall paneling	Non-ACM	550 sq. ft.	Nonfriable	Raw storage materials ceiling
131	White thermal system insulation on 2" steam line, corrugated	**ACM**	4 lf	Friable	Office building
132	Heat shield from transformer, brown	Non-ACM	1 sq. ft.	Nonfriable	Research and development
133	White fibrous oven insulation block	**ACM**	1,800 sq. ft.	Friable	Brake block finishing
134	Black vinyl sheet coating	Non-ACM	3,500 sq. ft.	Nonfriable	Brake block finishing
135	White cloth heat shield in transformer	Non-ACM	1 sq. ft.	Non-friable	Brake block finishing
NOTE: RESULTS FOR NON-BUILDING MATERIALS PROVIDED BELOW					
123	Brake pads	**ACM**	3 cu. ft.	Non-friable	QC lab floor
124	Woven cloth sheets on pallet	Non-ACM	40 cu. ft.	Non-friable	Extrusion area floor
125	Metallic dust/powder	Non-ACM	NQ	Friable	Mold room floor
126	Woven gasket cloth roll	**ACM**	5 cu. ft.	Friable	Maintenance area floor
127	Floor debris	**ACM**	NQ	Non-friable	Brake block finishing

TABLE 1

ASBESTOS BULK SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

HA #	MATERIAL DESCRIPTION	ACM/ NON-ACM	ESTIMATED QUANTITY	FRIABLE/ NONFRIABLE	LOCATION
128	Floor debris	Non-ACM	NQ	Non-friable	Extrusion area
129	Floor debris	**ACM**	NQ	Non-friable	Raw materials storage
130	White floor debris	Non-ACM	NQ	Non-friable	Roll lining area

NQ- Not quantified
HA = Homogenous Area.
ACM = Asbestos Containing Material.
*Trace Concentrations of Asbestos (<1%) Detected
** Damaged nonfriable material or nonfriable material likely to become friable during demolition
Friable = Material that can be crumbled or reduced to powder by hand pressure

PAINT CHIP SAMPLING RESULTS TABLE

TABLE 2

PAINT CHIP SAMPLING RESULTS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

Paint	Paint Color/Location	Reported Lead Content (% by weight)
P1	**Red (exterior);** guard shack	0.12
P2	**Cream (interior);** guard shack	<0.0073
P3	**White (interior);** main office	0.020
P4	**Pink (interior);** main office	<0.0086
P5	**Brown (interior);** main office	0.29
P6	**White over light green (interior);** main office	0.66
P7	**Light brown over dark red (interior);** main office	0.48
P8	**Seafoam green (interior);** main office	0.61
P9	**Light blue (interior);** main office	0.044
P10	**Light grey (exterior);** cargotainer buildings	0.049
P11	**Beige (interior);** main building	0.012
P12	**Green (interior);** main building	0.30
P13	**Safety yellow (interior);** main building	1.1
P14	**Dark grey (interior);** main building	0.5*
P15	**Safety red (interior);** main building	0.44*
P16	**Black (interior);** main building	0.58
P17	**Safety orange (interior);** main building\	2.1
P18	**Silver (interior);** main building machinery	0.035
P19	**Yellow (interior);** main building	0.17
P20	**Blue (interior);** main building	0.63
P21	**Orange/red (exterior);** extrusions	Void**
P22	**White (exterior);** finished goods	0.22

* Matrix/Substrate interference possible
** Insufficient sample for analysis

MISCELLANEOUS MATERIALS TABLE

TABLE 3

MISCELLANEOUS MATERIALS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

AREA	MATERIAL	QUANTITY
Throughout	2-bulb , four foot florescent fixture	173
Throughout	2-bulb, eight foot florescent fixture	108
Throughout	4-bulb, four foot florescent fixture	63
Office Building	2-bulb, two foot florescent fixture	2
Upstairs QC testing	2 dry-type transformers	11
Extrusion building	Pallets labeled "Metal Fibers" and "Carbon"	4
Extrusion building	55 gallon drums of miscellaneous solids	14
Extrusion building	55 gallon drum of miscellaneous liquids	1
Storage and ovens	1,450 pound bags labeled "Kraton"	20
Storage and ovens, and extrusion	2 cubic yard bags of black pelleted material	7
Storage & oven building	Wall mounted oil type transformer, no date stamp visible	1
Storage & oven building	5 gallon bucket grease	1
Brake block finishing	Wall mounted oil type transformer, no date stamp visible	1
Maintenance	Wall mounted oil type transformer, no date stamp visible	1
Automated winding	Emergency exit - lead acid	2
Clutch facing pressing	Emergency lighting; lead acid battery	1
Clutch facing finishing	Emergency lighting; lead acid battery	1

TABLE 3

MISCELLANEOUS MATERIALS
1849 SABINE STREET, HUNTINGTON, INDIANA
SME Project Number: 068260.00.001

AREA	MATERIAL	QUANTITY
Pump house	Dry-type transformer	1
Finished goods warehouse/shipping	Wall mounted oil type transformer, no date stamp visible	1
Finished goods warehouse/shipping	Wall mounted oil type transformer, no date stamp visible	1
Preparation	Wall mounted oil type transformer, no date stamp visible	1
Maintenance sheds and yarn treating	Dry-type transformer	1
Mold room	Lead emergency exit	1
Raw materials building	Mercury switch	1
Clutch facing	Approximately 2,000-gallon hydraulic oil AST, nearly empty	1
Yarn treating	500-gallon benzene AST	3
Mixing area south	500-gallon benzene mixing vats	7
2nd floor wet mixing	500-gallon benzene AST	3
Raw materials storage	Approximately 250-gallon elevator hydraulic oil AST	1
Mixing area exterior	Solvent UST, 10 foot diameter, nearly empty	1

TANK AND PIT SAMPLE RESULTS TABLE

TABLE 4
TANK AND PIT ANALYTICAL RESULTS
FORMER H.K. PORTER
SME Project No. 068260.00.001

Analyte (see laboratory report for analysis methods)	**CAS Number**	**Sample ID**	**CHEMICAL ANALYSES RESULTS (Parts Per Million)**								
			PS1	**PS2**	**PS3**	**PS4**	**PS5**	**PS6**	**PS7**	**PS8**	**PS9**
		Date Collected	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**
		Matrix	**Sludge**	**Sludge**	**Sludge**	**Sludge**	**Sludge**	**Sludge**	**Sludge**	**Water**	**Sludge**
		Area / Location	Clutch facing pressing, north machinery pit	Clutch facing pressing, north machinery pit	Preparation area machinery pit	Raw material storage, southwest machinery pit	Brake block pressing, west machinery pit	Brake block pressing, east machinery pit	Maintenance, northeast pit	Maintenance, south pit	Maintenance, northwest pit
VOCs											
Benzene	71-43-2		NA	NA	<0.12	NA	NA	NA	NA	NA	NA
Chloromethane	74-87-3		NA	NA	**0.19**	NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4		NA	NA	<0.12	NA	NA	NA	NA	NA	NA
Toluene	108-88-3		NA	NA	<0.12	NA	NA	NA	NA	NA	NA
Xylene (Total)	1330-20-7		NA	NA	<0.25	NA	NA	NA	NA	NA	NA
Other VOCs	CS		NA	NA	<RL	NA	NA	NA	NA	NA	NA
SVOCs											
2-Methylnaphthalene	91-57-6		<0.75	<0.75	<0.14	<0.14	<0.14	<0.025	<1.4	NA	<0.050
Acenaphthylene	208-96-8		<0.75	<0.75	<0.14	**0.42**	<0.14	<0.025	<1.4	NA	<0.050
Anthracene	120-12-7		<0.75	<0.75	<0.14	**0.32**	<0.14	<0.025	<1.4	NA	<0.050
Benzo(a)anthracene	56-55-3		<0.75	<0.75	<0.14	**0.56**	<0.14	<0.025	<1.4	NA	<0.050
Benzo(a)pyrene	50-32-8		<0.75	<0.75	<0.14	**0.65**	<0.14	<0.025	<1.4	NA	<0.050
Benzo(b)fluoranthene	205-99-2		<0.75	<0.75	<0.14	**1.1**	<0.14	<0.025	<1.4	NA	**0.13**
Benzo(g,h,i)perylene	191-24-2		<0.75	<0.75	<0.14	**0.58**	<0.14	<0.025	<1.4	NA	<0.050
Benzo(k)fluoranthene	207-08-9		<0.75	<0.75	<0.14	**0.94**	<0.14	<0.025	<1.4	NA	**0.071**
Chrysene	218-01-9		<0.75	<0.75	<0.14	**0.86**	<0.14	<0.025	<1.4	NA	**0.19**
Dibenz(a,h)anthracene	53-70-3		<0.75	<0.75	<0.14	**0.26**	<0.14	<0.025	<1.4	NA	<0.050
Fluoranthene	206-44-0		<0.75	<0.75	**0.25**	**0.62**	**0.17**	<0.025	<1.4	NA	**0.24**
Fluorene	86-73-7		<0.75	<0.75	<0.14	<0.14	<0.14	<0.025	<1.4	NA	<0.050
Indeno(1,2,3-cd)pyrene	193-39-5		<0.75	<0.75	<0.14	**0.56**	<0.14	<0.025	<1.4	NA	<0.050
Phenanthrene	85-01-8		<0.75	<0.75	**1.1**	**0.38**	<0.14	<0.025	<1.4	NA	**0.18**
Pyrene	129-00-0		**1.7**	<0.75	**0.75**	**0.69**	**0.18**	<0.025	<1.4	NA	**0.25**
Other SVOCs	CS		<RL	<RL	<RL	<RL	<RL	<RL	<RL	NA	<RL
PCBs											
PCBs	CS		<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL	<RL

Notes:
Only analytes measured at concentrations above their respective Method Reporting Limit in at least one sample are listed
Detected results shown in **BOLD**.
VOCs -Volatile Organic Compounds; SVOCs - Semi Volatile Organic Compounds; PCBs- Polychlorinated Biphenyls. Refer to the analytical report for the full list of VOC, SVOC, and PCB analytes.
NA - Not applicable, not analyzed, or not in assessment scope.
CS - Constituent Specific

TABLE 4
TANK AND PIT ANALYTICAL RESULTS
FORMER H.K. PORTER
SME Project No. 068260.00.001

Analyte (see laboratory report for analysis methods)	**CAS Number**	**Sample ID**	**CHEMICAL ANALYSES RESULTS (Parts Per Million)**					
			TS1	**TS2**	**TS3**	**TS4**	**TS5**	**TS5 (PAH)**
		Date Collected	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**	**09/20/13**
		Matrix	**Sludge**	**Semi-Solid**	**Semi-Solid**	**Water**	**Sludge**	**Liquid**
		Area / Location	Clutch facing pressing, hydraulic oil tank	Yarn treating, southwest benzene tank	Mixing, southwest benzene mixing vat	Wet mixing area, south benzene tank	Raw material storage, elevator hydraulic oil tank	Raw material storage, elevator hydraulic oil tank
VOCs								
Benzene	71-43-2		NA	**3880**	**9110**	<0.0050	NA	NA
Chloromethane	74-87-3		NA	NA	NA	NA	NA	NA
Ethylbenzene	100-41-4		NA	**34.2**	**54**	<0.0050	NA	NA
Toluene	108-88-3		NA	**1860**	**4160**	<0.0050	NA	NA
Xylene (Total)	1330-20-7		NA	**288**	**429**	<0.010	NA	NA
Other VOCs	CS		NA	<RL	<RL	NA	NA	NA
SVOCs								
2-Methylnaphthalene	91-57-6		<2.7	NA	NA	NA	**1.5**	**1.5**
Acenaphthylene	208-96-8		<2.7	NA	NA	NA	<1.5	<1.5
Anthracene	120-12-7		<2.7	NA	NA	NA	<1.5	<1.5
Benzo(a)anthracene	56-55-3		<2.7	NA	NA	NA	<1.5	<1.5
Benzo(a)pyrene	50-32-8		<2.7	NA	NA	NA	<1.5	<1.5
Benzo(b)fluoranthene	205-99-2		<2.7	NA	NA	NA	<1.5	<1.5
Benzo(g,h,i)perylene	191-24-2		<2.7	NA	NA	NA	<1.5	<1.5
Benzo(k)fluoranthene	207-08-9		<2.7	NA	NA	NA	<1.5	<1.5
Chrysene	218-01-9		<2.7	NA	NA	NA	<1.5	<1.5
Dibenz(a,h)anthracene	53-70-3		<2.7	NA	NA	NA	<1.5	<1.5
Fluoranthene	206-44-0		<2.7	NA	NA	NA	<1.5	<1.5
Fluorene	86-73-7		**4.8**	NA	NA	NA	<1.5	<1.5
Indeno(1,2,3-cd)pyrene	193-39-5		<2.7	NA	NA	NA	<1.5	<1.5
Phenanthrene	85-01-8		<2.7	NA	NA	NA	**2.4**	**2.4**
Pyrene	129-00-0		<2.7	NA	NA	NA	<1.5	<1.5
Other SVOCs	CS		<RL	NA	NA	NA	<RL	<RL
PCBs								
PCBs	CS		NA	NA	NA	NA	<RL	NA

Notes:
Only analytes measured at concentrations above their respective Method Reporting Limit in at least one sample are listed
Detected results shown in **BOLD**.
VOCs -Volatile Organic Compounds; SVOCs - Semi Volatile Organic Compounds; PCBs- Polychlorinated Biphenyls. Refer to the analytical report for the full list of VOC, SVOC, and PCB analytes.
NA - Not applicable, not analyzed, or not in assessment scope.
CS - Constituent Specific

APPENDIX A

ASBESTOS SAMPLE CHAIN OF CUSTODY FORMS AND CERTIFICATES OF ANALYSIS

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818
www.iatl.com, info@iatl.com

NOTICE OF ANALYTICAL CAPABILITIES

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Notice Date: 10/1/2013
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

This notice is not intended to replace the Certificate of Analysis or other data associated with the analysis of bulk materials. Instead, iATL has observed that the samples may not fit standard methods usually prescribed for the analysis of asbestos. We hope to communicate these observations so that more appropriate means of analysis may be considered. Please call the Laboratory Director for specific alternatives or further explanation of this notice.

Discussion:

The above referenced sample(s) were submitted for asbestos analysis via the EPA Method 600/R-93.116 "Method for the Determination of Asbestos in Bulk Building Materials". This method specifies the use of Polarized Light Microscopy (PLM) as the instrumental technique of choice to differentiate the fibrous components of a bulk sample and to quantify these components into percent by volume categories. This analytical method has appendent procedures that encompass other related asbestos techniques. These include procedures for the quantitative regimen of point counting and the gravimetric reduction of certain materials for analysis by PLM and Transmission Electron Microscopy (TEM) for results in weight percentages. Though an excellent method for building materials, it may not be adequate or the results may be limited by the following factors:

- Sample submitted on matrix material (soil, dust, debris, etc.) that may interfere with the detection of suspect asbestos fibers.
- Optical techniques (PLM) have limited resolution and may miss fine or small fibers inherent in many building products or that may have been released from building products into the atmosphere and on to surfaces.
- The method is limited to bulk building materials.
- The method requires minimum sampling 15 cc of material for verifiable quantitative results.
- The method may not produce detection levels now required for certain health and safety recommendations.
- Other established matrix specific methods may be more applicable.

Recommendations:

IATL recommends the following alternative to either the sampling protocol and/or analytical methodology to improve both qualitative and quantitative results:

- ☐ ASTM D5755-02 "Standard Method for Microvacuum Sampling and Indirect Analysis of Surface Dust by TEM for Asbestos Structure Concentrations on Surfaces".
- ☐ ASTM D5756-02 "Standard Method for Microvacuum Sampling and Indirect Analysis of Surface Dust by TEM for Asbestos Mass Concentrations".
- ☐ ASTM D6480-99 "Standard Method for Wipe Sampling of Surfaces, Indirect Preparation, and Analysis for Asbestos Structure Concentrations".
- ☑ EPA Region I Proprietary Method for the Determination of Asbestos in Soils, Sludges, and Sediments by PLM.
- ☑ Modified EPA Region I Proprietary Method for the Determination of Asbestos in Soils, Sludges, and Sediments by TEM.
- ☐ CARB 435 Method Determination of Asbestos Content in Serpentine Aggregate. PLM
- ☐ CARB 435 Method Determination of Asbestos Content in Serpentine Aggregate. (Modified TEM)
- ☐ ASTM D7521 Determination of Asbestos in Soil. PLM and TEM.
- ☐ EPA 600/R-04/004 Research Method for Sampling and Analysis of Fibrous Amphibole in Vermiculite Attic Insulation. [SEE PAGE 2 OF THIS DOCUMENT FOR FURTHER INFORMATION]

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company:	SME	**Project Number:**	068260.00.001
Office Address:	5847 W. 74th Street	**Project Name:**	1849 Sabine St, Huntington, IN
City, State, Zip:	Indianapolis, IN 46278	**Primary Contact:**	Laura Welsh
Fax Number:	317-876-0300	**Office Phone:**	317-876-0200
Email Address:	welsh@sme-usa.com	**Cell Phone:**	317-879-6172

PLM Instructions:

- ☐ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ■ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☐ PLM: Point Counting
  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points *
  - ☐ PC: 1600 Points *
- ☐ PLM: Instructions for Multi-Layered Samples
  - ☐ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer
- ☐ PLM: Analyze Until Positive (Positive Stop)
  - ☐ AUP: by Homogenous Area as Noted
  - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
  - ☐ PLM: Friable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 *
  - ☐ If <1% by PLM, Hold for Instructions
- ☐ PLM: Non-Building Material*,** (Dust, Wipe, Tape)
  - ☐ Soil or Vermiculite Analysis*
  - ☐ CARB 435

Special Instructions: See attached Instructions

** Additional charge and turnaround may be required* *** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory*

Turnaround Time

Preliminary Results Requested Date: _____ (Specific date / time) ☐ Verbal ■ Email ☐ Fax

☐ 10 Day ■ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

9250

Chain of Custody

Relinquished (Name/Organization):	Farnwelch/SME	Date: 9/23/13	Time: 1436
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date: 9/26/13	Time:
Analysis(Name(s) / iATL):	LSP 9-30-13	Date:	Time:
QA/QC Review (Name / iATL):		Date: 10-2-13	Time:
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:	Time:

RECEIVED
SEP 25 2013

EMAILED IATL - By

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company:	SME	**Project Number:**	068260.00.001
Office Address:	5847 W. 74th Street	**Project Name:**	1849 Sabine St, Huntington, IN
City, State, Zip:	Indianapolis, IN 46278	**Primary Contact:**	Laura Welsh
Fax Number:	317-876-0300	**Office Phone:**	317-876-0200
Email Address:	welsh@sme-usa.com	**Cell Phone:**	317-879-6172

PLM Instructions:

- ☐ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ■ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☐ PLM: Point Counting
  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points *
  - ☐ PC: 1600 Points *
- ☐ PLM: Instructions for Multi-Layered Samples
  - ☐ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer
- ☐ PLM: Analyze Until Positive (Positive Stop)
  - ☐ AUP: by Homogenous Area as Noted
  - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
  - ☐ PLM: Friable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 *
  - ☐ If <1% by PLM, Hold for Instructions
- ☐ PLM: Non-Building Material*,** (Dust, Wipe, Tape)
  - ☐ Soil or Vermiculite Analysis*
  - ☐ CARB 435

Special Instructions: See attached Instructions

** Additional charge and turnaround may be required* *** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory*

Turnaround Time

Preliminary Results Requested Date: _____ (Specific date / time)

☐ Verbal ■ Email ☐ Fax

☐ 10 Day ■ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

9:30

Chain of Custody

Relinquished (Name/Organization):	Laura Welsh/SME	Date:	9/23/13	Time:	1430
Received (Name / iATL):		Date:		Time:	
Sample Login (Name / iATL):		Date:	9/26/13	Time:	
Analysis(Name(s) / iATL):		Date:	10-1-13	Time:	
QA/QC Review (Name / iATL):		Date:	10-2-13	Time:	
Archived / Released: _____	QA/QC InterLAB Use: _____	Date:		Time:	

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company:	SME	**Project Number:**	068260.00.001
Office Address:	5847 W. 74th Street	**Project Name:**	1849 Sabine St, Huntington, IN
City, State, Zip:	Indianapolis, IN 46278	**Primary Contact:**	Laura Welsh
Fax Number:	317-876-0300	**Office Phone:**	317-876-0200
Email Address:	welsh@sme-usa.com	**Cell Phone:**	317-879-6172

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- ☐ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ■ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

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  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points *
  - ☐ PC: 1600 Points *
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  - ☐ Report Composite for Drywall Systems per NESHAP
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  - ☐ AUP: by Homogenous Area as Noted
  - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
  - ☐ PLM: Friable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 *
  - ☐ If <1% by PLM, Hold for Instructions
- ☐ PLM: Non-Building Material*,** (Dust, Wipe, Tape)
  - ☐ Soil or Vermiculite Analysis*
  - ☐ CARB 435

Special Instructions: See attached Instructions

** Additional charge and turnaround may be required* *** Alternative Method (ex: EPA 600/R-04/004) may be recommended by Laboratory*

Turnaround Time

Preliminary Results Requested Date: _____ (Specific date / time)

☐ Verbal ■ Email ☐ Fax

☐ 10 Day ■ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

9236

Chain of Custody

Relinquished (Name/Organization):	laurawelsh/SME	Date:	9/23/13	Time:	1436
Received (Name / iATL):		Date:		Time:	
Sample Login (Name / iATL):		Date:	9/26/13	Time:	
Analysis(Name(s) / iATL):		Date:	9/26/13	Time:	
QA/QC Review (Name / iATL):		Date:	10-2-13	Time:	
Archived / Released:	QA/QC InterLAB Use:	Date:		Time:	

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SEP 25 2013
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iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

–Bulk Asbestos –

Contact Information

Client Company:	SME	**Project Number:**	068260.00.001
Office Address:	5847 W. 74th Street	**Project Name:**	1849 Sabine St, Huntington, IN
City, State, Zip:	Indianapolis, IN 46278	**Primary Contact:**	Laura Welsh
Fax Number:	317-876-0300	**Office Phone:**	317-876-0200
Email Address:	welsh@sme-usa.com	**Cell Phone:**	317-879-6172

PLM Instructions:

- ☐ PLM: Bulk Asbestos Building Materials EPA 600 R-93/116, 1993
- ☐ PLM: Bulk Asbestos Building Materials EPA 600 M-4/82-020, 1982
- ☐ PLM: Bulk Asbestos Building Materials NIOSH 9002, 1985
- ■ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.1, 2002
- ☐ PLM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.6, 2010
- ☐ TEM: Bulk Asbestos Building Materials NYSDOH-ELAP 198.4, 2009

- ☐ PLM: Point Counting
  - ☐ PC: via ELAP 198.1
  - ☐ PC: 400 Points
  - ☐ PC: 800 Points *
  - ☐ PC: 1600 Points *
- ☐ PLM: Instructions for Multi-Layered Samples
  - ☐ Analyze and Report All Separable Layers per EPA 600
  - ☐ Report Composite for Drywall Systems per NESHAP
  - ☐ Report All Layers and Composite Where Applicable
  - ☐ Only Analyze and Report Specifically Noted Layer
- ☐ PLM: Analyze Until Positive (Positive Stop)
  - ☐ AUP: by Homogenous Area as Noted
  - ☐ AUP: by Material Type as Noted
- ☐ PLM: NOB via 198.6
  - ☐ PLM: Friable via EPA 600 2.3
  - ☐ If <1% by PLM, to TEM via 198.4 *
  - ☐ If <1% by PLM, Hold for Instructions
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  - ☐ Soil or Vermiculite Analysis*
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Archived / Released: _____	QA/QC InterLAB Use: _____	Date:		Time:

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CHAIN OF CUSTODY LOG

soil and materials engineers

43980 Plymouth Oaks Blvd.
Plymouth, MI, 48170
Phone 734-454-9900
FAX 734-454-0629

CLIENT NAME: City of Huntington
SITE ADDRESS: HK Porter, Huntington, Indiana

BULK SAMPLE ANALYSIS REQUESTED: Point Counting 198.1

Note: Multiple samples of each homogeneous area may have been collected. If asbestos is detected at greater than 1% in first sample, DO NOT analyze subsequent samples from that area with exception of plaster and wallboard system samples. Please analyze all plaster and wallboard system samples, and provide individual layer analysis for each sample. If asbestos is detected in an individual layer of a wallboard system sample, please provide composite analysis. Please provide mastic analysis for floor tile samples. Treat mastic as a separate homogeneous area. For each thermal system insulation sample, please analyze the insulation portion(s) of each sample first. If asbestos is detected at 1% or greater do not analyze the insulation covering layer of the sample. Please provide the insulation covering analysis for thermal system insulation samples where asbestos is not detected in insulation layer(s) or where asbestos is detected at less than 1%.

AREA #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	#
HA1	A	Brick mortar	Office building, southeast exterior hall	1 5129297
HA2	A	Plaster walls	Office building, first floor, southeast room	2 5129298
HA2	B	Plaster walls	Office building, first floor, northeast room	3 5129299
HA2	C	Plaster walls	Office building, first floor, north central room	4 5129300
HA2	D	Plaster walls	Office building, first floor, southwest room	5 5129301
HA2	E	Plaster walls	Office building, second floor, northeast wall	6 5129302
HA2	F	Plaster walls	Office building, second floor, south central wall	7 5129303
HA2	G	Plaster walls	Office building, second floor, southwest wall	8 5129304
HA3	A	Plaster ceiling	Office building, second floor, southwest corner	9 5129305
HA3	B	Plaster ceiling	Office building, second floor, west side	10 5129306
HA3	C	Plaster ceiling	Office building, second floor, center	11 5129307
HA3	D	Plaster ceiling	Office building, second floor, north center	12 5129308
HA3	E	Plaster ceiling	Office building, first floor, southeast corner	13 5129309
HA3	F	Plaster ceiling	Office building, first floor, east side	14 5129310
HA3	G	Plaster ceiling	Office building, first floor, northwest corner	15 5129311
HA4	A	Window glazing	Office building, first floor, east side	16 5129312
HA4	B	Window glazing	Office building, first floor, west side	17 5129313

RELINQUISHED BY: Laura Welsh DATE: 9/23/13 TIME: 1436
RECEIVED BY: _____ DATE: _____ TIME: _____

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Date Sampled: 9/17/13-9/19/13

SME Project#: 068260.00.001

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AREA #	SAMPLE #	MATERIAL DESCRIPTION	SAMPLE LOCATION	#
HA4	C	Window glazing	Office building, first floor west side	5129314
HA5	A	Window glazing	Office building, second floor, north side	5129315
HA5	B	Window glazing	Office building, second floor, north side	5129316
HA5	C	Window glazing	Office building, first floor, south side	5129317
HA6	A	Window glazing	Office building, second floor, north side	5129318
HA6	B	Window glazing	Office building, second floor, west side	5129319
HA6	C	Window glazing	Office building, first floor, north side	5129320
HA7	A	Plaster surfacing	Office building, vault, north wall	5129321
HA7	B	Plaster surfacing	Office building, vault, west wall	5129322
HA7	C	Plaster surfacing	Office building, vault, south wall	5129323
HA8	A	Stair material, gray and white	Office building, stairs to second floor	5129324
HA9	A	Wallboard walls	Office building, second floor, northeast office	5129325
HA9	B	Wallboard walls	Office building, second floor, east office	5129326
HA9	C	Wallboard walls	Office building, second floor, southeast office	5129327
HA10	A	White cove base with mastic	Office building, first floor, east bathroom	5129328
HA11	A	Brown cove base with mastic	Office building, first floor, west bathroom	5129329
HA12	A	Wall panel mastic	Office building, first floor, southwest office	5129330
HA13	A	Forced air duct gasket	Office building, second floor, northwest office	5129331

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HA14	A	2' x 2' ceiling tile, wormholes with pinholes	Office building, first floor, north center office	36 5129332
HA15	A	2' x 4' ceiling tile, smooth white	Office building, first floor, south bathroom	37 5129333
HA15	B	2' x 4' ceiling tile, smooth white	Office building, first floor, south bathroom	38 5129334
HA15	C	2' x 4' ceiling tile, smooth white	Office building, first floor, southwest office	39 5129335
HA16	A	2' x 2' ceiling tile bumpy with pinholes	Office building, first floor, northeast office	5129336
HA16	B	2' x 2' ceiling tile bumpy with pinholes	Office building, first floor, northeast office, south side	5129337
HA16	C	2' x 2' ceiling tile bumpy with pinholes	Office building, first floor, northeast office, north side	5129338
HA17	A	2' x 4' ceiling tile smooth with pinholes	Office building, first floor, west side	5129339
HA17	B	2' x 4' ceiling tile smooth with pinholes	Office building, first floor, west side	5129340
HA17	C	2' x 4' ceiling tile smooth with pinholes	Office building, first floor, middle	5129341
HA18	A	Floor tile, irregular rectangles	Office building, stairway to second floor	5129342
HA19	A	Floor tile dark gray, irregular squares and rectangles, various sizes	Office building, second floor, northwest office, east side	5129343
HA19	B	Floor tile dark gray, irregular squares and rectangles, various sizes	Office building, second floor, southwest office	5129344
HA19	C	Floor tile dark gray, irregular squares and rectangles, various sizes	Office building, second floor, northwest office, west side	5129345
HA20	A	Yellow carpet mastic	Office building, second floor, northwest office	5129346
HA21	A	Yellow carpet mastic	Office building, first floor, southeast office	5129347
HA22	A	9" x 9" floor tile, tan	Office building, first floor, east side	5129348
HA22	B	9" x 9" floor tile, tan	Office building, first floor, middle hall	5129349

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HA22	C	9" x 9" floor tile, tan	Office building, first floor, northwest office	54 5129350
HA23	A	12" x 12" floor tile, white with black mastic	Office building, second floor, southwest office	55 5129351
HA24	A	2' x 4' ceiling tile, smooth white with slight wormholes	Office building, second floor office, southeast office	56 5129352
HA25	A	Glass block mortar	Office building, first floor, north center office	5129353
HA26	A	Mastic on wood paneling	Office building, first floor, east office	58 5129354
HA26	B	Mastic on Wood Paneling	Office building, second floor, east office	59 5129355
HA26	C	Mastic on Wood Paneling	Office building, second floor, northwest office	60 5129356
HA27	A	9" x 9" floor tile, tan/brown with streaks	Office building, first floor, room south of vault	61 5129357
HA28	A	Brick mortar	Research and development testing garage, north exterior wall	62 5129358
HA29	A	Window glazing	Research and development testing garage, northeast window	5129359
HA29	B	Window glazing	Research and development testing garage, west central window	5129360
HA30	A	ceiling tile 2' x 4', fibrous, bumpy white with pinholes	Research and development testing garage, northwest corner of office	5129361
HA30	B	ceiling tile 2' x 4', fibrous, bumpy white with pinholes	Research and development testing garage, east side office	5129362
HA30	C	ceiling tile 2' x 4', fibrous, bumpy white with pinholes	Research and development testing garage, southwest corner office	5129363
HA31	A	Carpet mastic	Research and development testing garage, north central office area	5129364
HA32	A	4" cove base with mastic	Research and development testing garage, northwest office area	5129365

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HA33	A	Wallboard walls	Research and development testing garage, northeast corner office	51129366
HA33	B	Wallboard walls	Research and development testing garage, east divider wall, middle	51129367
HA33	C	Wallboard walls	Research and development testing garage, west divider wall, north	51129368
HA33	D	Wallboard walls	Research and development testing garage, south wall middle	51129369
HA33	E	Wallboard walls	Research and development testing garage, southwest corner	51129370
HA34	A	Building caulk, white,	Research and development testing garage, southwest garage bay door	51129371
HA35	A	Cementitious ceiling panel	Pump house, center	51129372
HA36	A	Vinyl sheet floor panels	Office building, first floor entry way, south side	51129373
HA36	B	Vinyl sheet floor panels	Office building, first floor entry way, north side	51129374
HA37	A	Block mortar	Pump house, north wall interior	51129375
HA38	A	Block mortar	Finish goods warehouse, west wall, interior	51129376
HA39	A	Wallboard walls	Finish goods warehouse, south interior wall (lean-to)	51129377
HA39	B	Wallboard walls	Finish goods warehouse, south interior wall (lean-to)	51129378
HA39	C	Wallboard walls	Finish goods warehouse, west interior wall (lean-to)	51129379
HA40	A	Asphalt shingles	Finish goods warehouse, south interior (lean-to)	51129380
HA41	A	ceiling tile, 1' x 1' fibrous, white with pinholes	Finish goods warehouse, office on west side	51129381
HA42	A	Carpet mastic	Finish goods warehouse, office on west side, west interior	51129382

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HA43	A	Window glazing	Finish goods warehouse, southwest interior	5129383
HA43	B	Window glazing	Finish goods warehouse, northwest interior	5129384
HA43	C	Window glazing	Finish goods warehouse, east center interior	5129385
HA44	A	Vinyl sheet floor, tan 6" square white pattern	Finish goods warehouse, women's restroom, south	5129386
HA45	A	Carpet mastic	Finish goods warehouse, women's restroom, south	5129387
HA46	A	Window glazing	Finish goods warehouse, men's restroom east	5129388
HA47	A	Window glazing	Mold room, east side	5129389
HA47	B	Window glazing	Roll lining room, east side	5129390
HA47	C	Window glazing	Storage and ovens, east side	95
HA48	A	TSI, mag block	Research and development testing garage, north wall, sprinkler line	5129391 5129392
HA48	B	TSI, mag block	Research and development testing garage, north wall, sprinkler line	5129393
HA48	C	TSI, mag block	Research and development testing garage, north wall, sprinkler line	5129394
HA49	A	Window caulk	Mold room, northwest corner	5129395
HA50	A	Window glazing	Mold room, southeast corner	5129396
HA51	A	Black tar	Mold room, exterior wall, east side	5129397
HA52	A	TSI, air cell, 2" steam line	Storage and ovens, north end	5129398
HA52	B	TSI, air cell, 2" steam line	Storage and ovens, north end	5129399
HA52	C	TSI, air cell, 2" steam line	Storage and ovens, north end	5129400
HA53	A	Window glazing	Brake block finishing, east side	5129401
HA53	B	Window glazing	Storage and ovens, west side	5129402
HA54	A	2", 4", 6", 8", 1" flex exhaust duct, black	Extrusion	5129403
HA54	B	2", 4", 6", 8", 1" flex exhaust duct, black	Storage and ovens	5129404
HA54	C	2", 4", 6", 8", 1" flex exhaust duct, black	Brake block finishing	5129405

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HA55	A	Gaskets on oven doors	Brake block finishing, southwest side	51294106
HA56	A	Oven insulator nodes, ceramic type	Brake block finishing	51294107
HA56	B	Oven insulator nodes, ceramic type	Maintenance room	51294108
HA57	A	Blown-in insulation, white	Brake block finishing interior, north furnace	51294109
HA58	A	White fibrous panel	Brake block finishing, center oven	51294110
HA59	A	Sprayed on insulation	Brake block finishing, west wall	51294111
HA59	B	Sprayed on insulation	Brake block finishing, west wall	51294112
HA59	C	Sprayed on insulation	Brake block finishing, west wall	51294113
HA59	D	Sprayed on insulation	Brake block finishing, ceiling, north	51294114
HA59	E	Sprayed on insulation	Brake block finishing, ceiling, south	51294115
HA59	F	Sprayed on insulation	Brake block finishing, ceiling, center	51294116
HA59	G	Sprayed on insulation	Brake block finishing, ceiling, east	51294117
HA60	A	Window glazing	Guard shack, north window	51294118
HA61	A	Brick Mortar	Raw materials storage, south wall	51294119
HA62	A	Widow glazing	Raw materials storage, east wall	51294120
HA62	B	Widow glazing	Q/C engineering offices, north wall	51294121
HA62	C	Widow glazing	Receiving dock, north wall	51294122
HA62	D	Widow glazing	Raw materials storage, northeast	51294123
HA62	E	Widow glazing	Raw materials storage, northwest	51294124
HA63	A	Glue pods	Raw materials storage, northeast corner, rubble pile	51294125
HA64	A	Window glazing	Raw materials storage, roof area	51294126
HA64	B	Window glazing	Raw materials storage, roof area	51294127
HA64	C	Window glazing	Raw materials storage, roof area	51294128
HA65	A	Wallboard Ceiling	Raw materials storage, northwest office, rubble pile	51294129
HA65	B	Wallboard Ceiling	Raw materials storage, northwest office, rubble pile	51294130
HA65	C	Wallboard Ceiling	Raw materials storage, northwest office, rubble pile	51294131
HA66	A	Block mortar on red block 12" x 12"	Raw materials storage, west wall	51294132

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HA67	A	Block mortar on gray newer block	Raw materials storage, west wall	5129433
HA68	A	Window glazing	Yarn treating, south wall	5129434
HA68	B	Window glazing	Manual winding, east wall	5129435
HA68	C	Window glazing	Brake slab storage room, east	5129436
HA68	D	Window glazing	Brake slab storage room, center	5129437
HA68	E	Window glazing	Brake slab storage room, west	5129438
HA69	A	Window glazing	Pump/boiler room, north wall	5129439
HA70	A	Window glazing	Pump/boiler room, west central window	5129440
HA71	A	Window glazing	Pump/boiler room, west wall	5129441
HA72	A	Window glazing	Pump/boiler room, east side upper windows	5129442
HA73	A	Black caulk	Wet mix area	5129443
HA74	A	Window caulk	Clutch facing finishing, exterior, north windows	5129444
HA75	A	Building caulk	Automated winding, east exterior wall, north vent	5129445
HA76	A	Surfacing material	Automated winding, exterior east wall	5129446
HA76	B	Surfacing material	Automated winding, exterior east wall	5129447
HA76	C	Surfacing material	Automated winding, exterior east wall	5129448
HA77	A	Wallboard ceiling	Yarn receiving, electrical room	5129449
HA78	A	Block mortar	Yarn receiving, east entry wall	5129450
HA79	A	Cementitious panels	Yarn treating machinery	5129451
HA79	B	Cementitious panels	Yarn treating machinery	5129452
HA79	C	Cementitious panels	Yarn treating machinery	5129453
HA80	A	Yarn in machines	Yarn from yarn treating machinery	5129454
HA81	A	9" x 9" floor tile, red with mastic	Clutch facing pressing, southwest corner	5129455

RELINQUISHED BY: Laura Welsh DATE: 9/20/13 TIME: 1436
RECEIVED BY: _____ DATE: _____ TIME: _____

Please provide 5 day turnaround, emailed to Laura Welsh at welsh@sme-usa.com.

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Date Sampled: 9/17/13-9/19/13 SME Project#: 068260.00.001

CHAIN OF CUSTODY LOG

soil and materials engineers

43980 Plymouth Oaks Blvd.
Plymouth, MI, 48170
Phone 734-454-9900
FAX 734-454-0629

CLIENT NAME: City of Huntington
SITE ADDRESS: HK Porter, Huntington, Indiana

BULK SAMPLE ANALYSIS REQUESTED: Point Counting 198.1

Note: Multiple samples of each homogeneous area may have been collected. If asbestos is detected at greater than 1% in first sample, DO NOT analyze subsequent samples from that area with exception of plaster and wallboard system samples. Please analyze all plaster and wallboard system samples, and provide individual layer analysis for each sample. If asbestos is detected in an individual layer of a wallboard system sample, please provide composite analysis. Please provide mastic analysis for floor tile samples. Treat mastic as a separate homogeneous area. For each thermal system insulation sample, please analyze the insulation portion(s) of each sample first. If asbestos is detected at 1% or greater do not analyze the insulation covering layer of the sample. Please provide the insulation covering analysis for thermal system insulation samples where asbestos is not detected in insulation layer(s) or where asbestos is detected at less than 1%.

HA82	A	9" x 9" floor tile, green with mastic	Clutch facing pressing, southwest corner	5102 9456
HA83	A	Block mortar	Clutch facing pressing, west central wall	5129457
HA84	A	Block mortar	Industrial pressing, northwest patched windows	5129458
HA85	A	Carpet mastic, white	Dressing room and shower, west	5129459
HA86	A	2' x 4' ceiling tile, wormhole with pinholes, white	QC office hallway, west	5129460
HA86	B	2' x 4' ceiling tile, wormhole with pinholes, white	QC office hallway, east	5129461
HA87	A	12" x 12" floor tile, tan	QC office hallway, west	5129462
HA87	B	12" x 12" floor tile, tan	QC office hallway, east	5129463
HA88	A	Carpet mastic	Central office, office and hall	5129464
HA89	A	Wallboard wall and ceiling	QC offices, first floor offices, west office	5129465
HA89	B	Wallboard wall and ceiling	QC offices, first floor offices, hallway	5129466
HA89	C	Wallboard wall and ceiling	QC offices, first floor offices, central office	5129467
HA90	A	Cementitious wall panel	QC offices, first floor offices, east office	5129468
HA91	A	12" x 12" floor tile, dark gray/brown	QC offices, first floor offices, west office	5129469
HA92	A	Carpeted wallboard walls, finished	QC offices, first floor offices, north central office, wall	5129470
HA92	B	Carpeted wallboard walls, finished	QC offices, first floor offices, north central office, north side	5129471
HA92	C	Carpeted wallboard walls, finished	QC offices, first floor offices, north central office, north side	5129472
HA93	A	Wallboard walls	Mezzanine, west office, south wall	5129473
HA93	B	Wallboard walls	Mezzanine, west office, south wall	5129474

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HA93	C	Wallboard walls	Mezzanine, west office, south wall	5192 9475
HA94	A	Fibrous sheet	Mezzanine electrical area	5802 9476
HA95	A	2' x 4' ceiling tile, sharp wormhole with pinholes	QC area lab, north	5812 9477
HA96	A	2' x 4' ceiling tile, bumpy with pinholes	QC area lab, central QC office, first floor	5822 9478
HA97	A	Wallboard system	QC testing, west wall, north	5132 9479
HA97	B	Wallboard system	QC testing, west wall, central	5142 9480
HA97	C	Wallboard system	QC testing, west wall, south	5152 9481
HA98	A	1' x 1' ceiling tile, flat, white	QC testing, north end	5162 9482
HA98	B	1' x 1' ceiling tile, flat, white	QC testing, south end	5172 9483
HA99	A	12" xc 12" floor tile, grayish blue	QC testing, north end	5882 9484
HA99	B	12" xc 12" floor tile, grayish blue	QC testing, south end	5892 9485
HA100	A	Cementitous ceiling panel	Over smoking cafeteria	5902 9486
HA101	A	2' x 4' fibrous ceiling tile	Center mezzanine office	5912 9487
HA102	A	2' x 4' ceiling tile, linear wormholes	QC testing/office hallway, mid	5922 9488
HA102	B	2' x 4' ceiling tile, linear wormholes	QC testing/office hallway, west	5932 9489
HA103	A	1' x 1' ceiling tile, white with holes	Smoking cafeteria, middle	5942 9490
HA103	B	1' x 1' ceiling tile, white with holes	Smoking cafeteria, south	5952 9491
HA104	A	1' x 1' ceiling tile, white, smooth	Smoking cafeteria, northwest	5962 9492
HA104	B	1' x 1' ceiling tile, white, smooth	Smoking cafeteria, northeast	5972 9493
HA105	A	12" x 12" Ft, gray with mastic	Smoking cafeteria, north	5982 9494
HA105	B	12" x 12" Ft, gray with mastic	Smoking cafeteria, middle	5992 9495
HA105	C	12" x 12" Ft, gray with mastic	Smoking cafeteria, south	6002 9496
HA106	A	Wallboard wall, unfinished	Smoking cafeteria, east upper partition wall	6012 9497
HA107	A	White window caulk	Smoking cafeteria	6022 9498
HA108	A	Roofing	Research and development garage	6032 9499
HA109	A	Roofing	Brake block finishing, north	6042 9500
HA110	A	Roofing	Pump/boiler room	6052 9501
HA111	A	Asphaltic roof caulk	Automated winding/yarn treating	6062 9502
HA112	A	Roofing	Industrial pressing	6072 9503

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Labeled HA117A TAD # corresponds to description - Laura 9/26/13

HA113	A	Roofing	Manual Winding	512 9504
HA114	A	Roofing	Clutch facing finishing	512 9505
HA115	A	Roofing	Yarn treating	512 9506
HA116	A	Roofing	Automated winding	512 9507
HA118	A	Roofing	Yarn receiving	512 9508
HA118	A	Roofing	Yarn treatment area, surfacing on air handling unit	512 9509 213
HA118	B	Roofing	Yarn treatment area, surfacing on air handling unit	512 9510 214
HA118	C	Roofing	Yarn treatment area, surfacing on air handling unit	512 9511 215
HA118	D	Roofing	Yarn treatment area, surfacing on air handling unit	512 9512 216
HA118	E	Roofing	Yarn treatment area, surfacing on air handling unit	512 9513 217
HA119	A	Roofing	Raw materials storage	512 9514 218
HA120	A	Circuit breaker insulation, white	Mezzanine	512 9515
HA121	A	Circuit breaker insulation, gray	Mezzanine	512 9516
HA122	A	Cementitious vertical wall paneling	Raw storage materials	512 9517
HA123	A	Brake pads	QC lab floor	512 9518
HA124	A	Woven cloth sheets on pallet	Extrusion area floor	512 9519
HA125	A	Metallic dust/powder	Mold room floor	512 9520
HA126	A	Woven gasket cloth roll	Maintenance area floor	512 9521
HA127	A	Floor debris	Brake block finishing	512 9522
HA128	A	Floor debris	Extrusion area	512 9523
HA129	A	Floor debris	Raw materials storage	512 9524
HA130	A	White floor debris	Roll lining area	512 9525
HA131	A	White TSI air cell on 1" steam pipe	Office building, first floor, northeast closet	512 9526 230
HA131	B	White TSI air cell on 1" steam pipe	Office building, first floor, northeast closet	512 9527 231

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HA131	C	White TSI air cell on 1" steam pipe	Office building, center office, private bathroom	232 5129528
HA132	A	Heat shield from transformer, brown	Research and development, south side	233 5129529
HA133	A	White fibrous oven insulation block	Brake block finishing, north oven	234 5129530
HA134	A	Black vinyl sheet flooring	Brake block finishing	235 5129531
HA135	A	White cloth heat shield in transformer	Brake block finishing, north wall	236 5129532

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SME Project#: 068260.00.001

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Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129297 **Description / Location:** Grey Brick Mortar
Client No.: HA1A Office Building, Southeast Exterior Hall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129298 **Description / Location:** White Plaster; Wall
Client No.: HA2A OfficeBuilding,FirstFloor,SoutheastRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129298 **Description / Location:** Brown Plaster; Wall **Layer No.:** 2
Client No.: HA2A OfficeBuilding,FirstFloor,SoutheastRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Hair	99

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

Date: 9/30/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
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5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129299 **Description / Location:** White Plaster; Wall
Client No.: HA2B OfficeBuilding,FirstFloor,NortheastRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129299 **Description / Location:** Brown Plaster; Wall **Layer No.:** 2
Client No.: HA2B OfficeBuilding,FirstFloor,NortheastRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Hair	99

Lab No.: 5129300 **Description / Location:** White Plaster; Wall
Client No.: HA2C OfficeBuilding,FirstFloor,NorthCentralRm

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129300 **Description / Location:** Brown Plaster; Wall **Layer No.:** 2
Client No.: HA2C OfficeBuilding,FirstFloor,NorthCentralRm

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/30/2013

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CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
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Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129301 **Description / Location:** White Plaster; Wall
Client No.: HA2D OfficeBuilding,FirstFloor,SouthwestRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129301 **Description / Location:** Brown Plaster; Wall **Layer No.:** 2
Client No.: HA2D OfficeBuilding,FirstFloor,SouthwestRoom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Hair	99

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Analysis Performed By: L. Price

Date: 9/30/2013

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Report Date: 10/1/2013
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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129302 **Description / Location:** White Plaster; Wall
Client No.: HA2E OfficeBuilding,SecondFloor,NortheastWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129302 **Description / Location:** Brown Plaster; Wall **Layer No.:** 2
Client No.: HA2E OfficeBuilding,SecondFloor,NortheastWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Hair	99

Lab No.: 5129302 **Description / Location:** White Powder; Wall **Layer No.:** 3
Client No.: HA2E OfficeBuilding,SecondFloor,NortheastWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/30/2013

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5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
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Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129303 **Description / Location:** White Plaster; Wall
Client No.: HA2F OfficeBuilding,SecondFloor,SCentralWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129303 **Description / Location:** Brown Plaster; Wall **Layer No.:** 2
Client No.: HA2F OfficeBuilding,SecondFloor,SCentralWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Lab No.: 5129304 **Description / Location:** White Plaster; Wall
Client No.: HA2G OfficeBuilding,SecondFloor,SouthwestWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129304 **Description / Location:** Brown Plaster; Wall **Layer No.:** 2
Client No.: HA2G OfficeBuilding,SecondFloor,SouthwestWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129305 **Description / Location:** White Plaster; Ceiling
Client No.: HA3A OfficeBuilding,SecondFloor,SouthwestCnr

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129305 **Description / Location:** Brown Plaster; Ceiling **Layer No.:** 2
Client No.: HA3A OfficeBuilding,SecondFloor,SouthwestCnr

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Lab No.: 5129306 **Description / Location:** White Plaster; Ceiling
Client No.: HA3B OfficeBuilding,SecondFloor,WestSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129306 **Description / Location:** Brown Plaster; Ceiling **Layer No.:** 2
Client No.: HA3B OfficeBuilding,SecondFloor,WestSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

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Analysis Performed By: L. Price

Date: 9/30/2013

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Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129307 **Description / Location:** White Plaster; Ceiling
Client No.: HA3C OfficeBuilding,SecondFloor,Center

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129307 **Description / Location:** Brown Plaster; Ceiling **Layer No.:** 2
Client No.: HA3C OfficeBuilding,SecondFloor,Center

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/30/2013

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129308 **Description / Location:** White Plaster; Ceiling
Client No.: HA3D OfficeBuilding,SecondFloor,NorthCenter

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129308 **Description / Location:** Brown Plaster; Ceiling **Layer No.:** 2
Client No.: HA3D OfficeBuilding,SecondFloor,NorthCenter

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Lab No.: 5129308 **Description / Location:** Grey Plaster; Ceiling **Layer No.:** 3
Client No.: HA3D OfficeBuilding,SecondFloor,NorthCenter

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129309 **Description / Location:** White Plaster; Ceiling
Client No.: HA3E OfficeBuilding,FirstFloorSoutheastCorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129309 **Description / Location:** White/Grey Plaster; Ceiling **Layer No.:** 2
Client No.: HA3E OfficeBuilding,FirstFloorSoutheastCorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129310 **Description / Location:** White Plaster; Ceiling
Client No.: HA3F OfficeBuilding,FirstFloor,EastSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129310 **Description / Location:** Brown Plaster; Ceiling **Layer No.:** 2
Client No.: HA3F OfficeBuilding,FirstFloor,EastSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	Trace	Hair	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129311 **Description / Location:** White Plaster; Ceiling
Client No.: HA3G OfficeBuilding,FirstFlr,NorthwestCorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129311 **Description / Location:** White/Grey Plaster Plaster; Ceiling **Layer No.:** 2
Client No.: HA3G OfficeBuilding,FirstFlr,NorthwestCorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129312 **Description / Location:** White/Tan Window Glazing
Client No.: HA4A OfficeBuilding,FirstFloor,EastSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129313 **Description / Location:** Tan Window Glazing
Client No.: HA4B OfficeBuilding,FirstFloor,WestSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129314 **Description / Location:** Sample Not Analyzed
Client No.: HA4C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129315 **Description / Location:** White/Grey Window Glazing
Client No.: HA5A OfficeBuilding, SecondFloor, NorthSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5129316 **Description / Location:** Sample Not Analyzed
Client No.: HA5B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129317 **Description / Location:** Sample Not Analyzed
Client No.: HA5C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129318 **Description / Location:** Off-White Window Glazing
Client No.: HA6A OfficeBuilding, SecondFloor, NorthSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 5129319 **Description / Location:** Sample Not Analyzed
Client No.: HA6B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129320 **Description / Location:** Sample Not Analyzed
Client No.: HA6C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129321 **Description / Location:** White Plaster
Client No.: HA7A Office Building, Vault, North Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129322 **Description / Location:** White Plaster
Client No.: HA7B Office Building, Vault, West Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129323 **Description / Location:** White Plaster
Client No.: HA7C Office Building, Vault, South Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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9000 Commerce Parkway, Ste B
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129324 **Description / Location:** Grey Cementitious
Client No.: HA8A Office Building, Stairs To Second Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129324 **Description / Location:** White Cementitious **Layer No.:** 2
Client No.: HA8A Office Building, Stairs To Second Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.5	Chrysotile	None Detected	None Detected	PC 97.5

Lab No.: 5129324 **Description / Location:** Brown Cementitious **Layer No.:** 3
Client No.: HA8A Office Building, Stairs To Second Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129325 **Description / Location:** White/Brown Sheetrock; Wall
Client No.: HA9A OfficeBuilding,SecondFlr,NortheastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129326 **Description / Location:** White/Brown Sheetrock; Wall
Client No.: HA9B OfficeBuilding, SecondFloor, EastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 5129327 **Description / Location:** White/Brown Sheetrock; Wall
Client No.: HA9C OfficeBuilding,SecondFlr,SoutheastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 5129328 **Description / Location:** White Rubber Cove Base
Client No.: HA10A OfficeBuilding, FirstFloor, EastBathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129328 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: HA10A OfficeBuilding, FirstFloor, EastBathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129329 **Description / Location:** Brown Rubber Cove Base
Client No.: HA11A OfficeBuilding, FirstFloor, WestBathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129329 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: HA11A OfficeBuilding, FirstFloor, WestBathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129330 **Description / Location:** Black/White/Tan Mastic/Paint
Client No.: HA12A OfficeBuilding,FirstFloorSouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 5129331 **Description / Location:** White/GreyWovenFibers; ForcedAir
Client No.: HA13A DuctGasket;OfficeBuildingSecondFlr,NWOfc

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
50	Chrysotile	40	Synthetic	10

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129332 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: HA14A OfficeBuilding,FirstFlrNorthCenterOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	30	Cellulose	20
		50	Mineral Wool	

Lab No.: 5129333 **Description / Location:** White/Brown Ceiling Tile; 2x4
Client No.: HA15A OfficeBuilding,FirstFloor,SouthBathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	10

Lab No.: 5129334 **Description / Location:** White/Brown Ceiling Tile; 2x4
Client No.: HA15B OfficeBuilding,FirstFloor,SouthBathroom

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	10

Lab No.: 5129335 **Description / Location:** White/Brown Ceiling Tile; 2x4
Client No.: HA15C OfficeBuilding,FirstFloorSouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	10

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129336 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: HA16A OfficeBuilding,FirstFloorNortheastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	30
		30	Mineral Wool	

Lab No.: 5129337 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: HA16B OfficeBuilding,FirstFlr,NEOffice,SSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 5129338 **Description / Location:** White/Tan Ceiling Tile; 2x2
Client No.: HA16C OfficeBuilding,FirstFlr,NEOffice,NSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	40	Cellulose	20
		40	Mineral Wool	

Lab No.: 5129339 **Description / Location:** White/Brown Ceiling Tile; 2x4
Client No.: HA17A OfficeBuilding, FirstFloor, WestSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	10

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: L. Price

Date: 9/30/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129340 **Description / Location:** White/Brown Ceiling Tile; 2x4
Client No.: HA17B OfficeBuilding, FirstFloor, WestSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	10

Lab No.: 5129341 **Description / Location:** White/Brown Ceiling Tile; 2x4
Client No.: HA17C OfficeBuilding, FirstFloor, Middle

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	92	Cellulose	8

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129342 **Description / Location:** Black Floor Tile
Client No.: HA18A OfficeBuilding, StairwayToSecondFloor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 5129342 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: HA18A OfficeBuilding, StairwayToSecondFloor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129342 **Description / Location:** Tan Mastic **Layer No.:** 3
Client No.: HA18A OfficeBuilding, StairwayToSecondFloor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129342 **Description / Location:** Brown Leveling Compound **Layer No.:** 4
Client No.: HA18A OfficeBuilding, StairwayToSecondFloor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129343 **Description / Location:** Grey/Black Floor Tile
Client No.: HA19A OfficeBuilding,SecondFlr,NWOffice,ESide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5129343 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: HA19A OfficeBuilding,SecondFlr,NWOffice,ESide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129343 **Description / Location:** Yellow Mastic **Layer No.:** 3
Client No.: HA19A OfficeBuilding,SecondFlr,NWOffice,ESide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129343 **Description / Location:** Brown Leveling Compound **Layer No.:** 4
Client No.: HA19A OfficeBuilding,SecondFlr,NWOffice,ESide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Asbestos Testing Laboratories

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129344 **Description / Location:** Black Mastic; A/W Floor Tile
Client No.: HA19B OfficeBuilding,SecondFlr,SouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129344 **Description / Location:** Yellow Mastic; AW Floor Tile **Layer No.:** 2
Client No.: HA19B OfficeBuilding,SecondFlr,SouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129344 **Description / Location:** Brown Leveling Compound; A/W Floor Tile **Layer No.:** 3
Client No.: HA19B OfficeBuilding,SecondFlr,SouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129345 **Description / Location:** Black Mastic; A/W Floor Tile
Client No.: HA19C OfficeBuilding,SecondFlr,NWOffice,WSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129345 **Description / Location:** Yellow Mastic; AW Floor Tile **Layer No.:** 2
Client No.: HA19C OfficeBuilding,SecondFlr,NWOffice,WSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129345 **Description / Location:** Brown Leveling Compound; A/W Floor Tile **Layer No.:** 3
Client No.: HA19C OfficeBuilding,SecondFlr,NWOffice,WSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129346 **Description / Location:** Yellow Carpet Mastic
Client No.: HA20A OfficeBuilding,SecondFlr,NorthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129346 **Description / Location:** Grey Floor Tile **Layer No.:** 2
Client No.: HA20A OfficeBuilding,SecondFlr,NorthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.8	Chrysotile	None Detected	None Detected	PC 98.2

Lab No.: 5129346 **Description / Location:** Black Mastic **Layer No.:** 3
Client No.: HA20A OfficeBuilding,SecondFlr,NorthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129347 **Description / Location:** Tan/Brown/Yellow/Off-White Paint/Mastic
Client No.: HA21A A/WCarpet; OfficeBuilding,FirstFlr,SEOfc

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129348 **Description / Location:** Tan Floor Tile; 9x9
Client No.: HA22A Office Building, First Floor, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

Lab No.: 5129348 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: HA22A Office Building, First Floor, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

Lab No.: 5129349 **Description / Location:** Sample Not Analyzed
Client No.: HA22B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
	Sample Not Analyzed		Sample Not Analyzed	

Lab No.: 5129350 **Description / Location:** Sample Not Analyzed
Client No.: HA22C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
	Sample Not Analyzed		Sample Not Analyzed	

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9000 Commerce Parkway, Ste B
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129351 **Description / Location:** White/Black Floor Tile; 12x12
Client No.: HA23A OfficeBuilding,SecondFlrSouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.1	Chrysotile	None Detected	None Detected	PC 98.9

Lab No.: 5129351 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: HA23A OfficeBuilding,SecondFlrSouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 5129351 **Description / Location:** Yellow Mastic **Layer No.:** 3
Client No.: HA23A OfficeBuilding,SecondFlrSouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129351 **Description / Location:** Brown Leveling Compound **Layer No.:** 4
Client No.: HA23A OfficeBuilding,SecondFlrSouthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129352 **Description / Location:** White/Tan Ceiling Tile; 2x4
Client No.: HA24A OfficeBuilding,SecondFloorOfficeSEOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	15
		5	Mineral Wool	

Lab No.: 5129353 **Description / Location:** Grey Block Mortar
Client No.: HA25A OfficeBuilding,FirstFloor,NCenterOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129354 **Description / Location:** Tan Mastic; A/W Wood Paneling
Client No.: HA26A OfficeBuilding, FirstFloor, EastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129354 **Description / Location:** White Texture; A/W Wood Paneling **Layer No.:** 2
Client No.: HA26A OfficeBuilding, FirstFloor, EastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129355 **Description / Location:** White/Tan Paint/Mastic; A/WWoodPaneling
Client No.: HA26B OfficeBuilding,SecondFloor,EastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129355 **Description / Location:** Black Mastic; A/W Wood Paneling **Layer No.:** 2
Client No.: HA26B OfficeBuilding,SecondFloor,EastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5129356 **Description / Location:** Tan/OffWhitePaint/Mastic;A/WWoodPanel
Client No.: HA26C OfficeBuilding,SecondFlr,NorthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129357 **Description / Location:** Tan Floor Tile; 9x9
Client No.: HA27A OfficeBuilding,FirstFloor,RmSouthOfVault

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.1	Chrysotile	None Detected	None Detected	PC 93.9

Lab No.: 5129357 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: HA27A OfficeBuilding,FirstFloor,RmSouthOfVault

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Cellulose	99

Lab No.: 5129358 **Description / Location:** Lt.Tan Brick Mortar
Client No.: HA28A R&DTestingGarage, NorthExteriorWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129359 **Description / Location:** Lt.Tan Window Glazing
Client No.: HA29A R&DTestingGarage, NortheastWindow

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Analysis Performed By: E. Smith

Date: 10/1/2013

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129360 **Description / Location:** Sample Not Analyzed
Client No.: HA29B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129361 **Description / Location:** Dk.Tan Ceiling Tile; 2x4
Client No.: HA30A R&DTestingGarage,NorthwestCornerOfOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	99	Cellulose	None Detected
		1	Fibrous Glass	

Lab No.: 5129362 **Description / Location:** Dk.Tan Ceiling Tile; 2x4
Client No.: HA30B R&DTestingGarage, EastSideOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	99	Cellulose	None Detected
		1	Fibrous Glass	

Lab No.: 5129363 **Description / Location:** Dk.Tan Ceiling Tile; 2x4
Client No.: HA30C R&DTestingGarage, SouthwestCornerOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	99	Cellulose	None Detected
		1	Fibrous Glass	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 10/1/2013

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ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129364 **Description / Location:** Tan Carpet Mastic
Client No.: HA31A R&DTestingGarage, NorthCentralOfficeArea

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129365 **Description / Location:** Brown Cove Base; 4"
Client No.: HA32A R&DTestingGarage, NorthwestOfficeArea

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129365 **Description / Location:** Brown Mastic **Layer No.:** 2
Client No.: HA32A R&DTestingGarage, NorthwestOfficeArea

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129366 **Description / Location:** Lt.Tan Sheetrock; Wall
Client No.: HA33A R&DTestingGarage, NortheastCornerOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Fax: 856-231-9818

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129367 **Description / Location:** Lt.Tan Sheetrock; Wall
Client No.: HA33B R&DTestingGarage, EastDividerWall,Middle

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	10	Cellulose	90

Lab No.: 5129368 **Description / Location:** Lt.Tan Sheetrock; Wall
Client No.: HA33C R&DTestingGarage, WestDividerWall,North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 5129369 **Description / Location:** Lt.Tan Sheetrock; Wall
Client No.: HA33D R&DTestingGarage, SouthWallMiddle

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Lab No.: 5129370 **Description / Location:** Lt.Tan Sheetrock; Wall
Client No.: HA33E R&DTestingGarage, SouthwestCorner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Fax: 856-231-9818

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129371 **Description / Location:** White/Off-White Building Caulk
Client No.: HA34A R&DTestingGarage, SouthwestGarageBayDoor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 5129372 **Description / Location:** Tan Cementitious Panel; Ceiling
Client No.: HA35A Pump House, Center

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Cellulose	98

Lab No.: 5129373 **Description / Location:** Brown Vinyl Sheet Flooring
Client No.: HA36A OfficeBuilding,FirstFlrEntrywaySouthSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Cellulose	97

Lab No.: 5129374 **Description / Location:** Brown Vinyl Sheet Flooring
Client No.: HA36B OfficeBuilding,FirstFlrEntrywayNorthSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Cellulose	97

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129375 **Description / Location:** Grey Block Mortar
Client No.: HA37A Pump House, North Wall Interior

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129376 **Description / Location:** Dk.Grey Block Mortar
Client No.: HA38A FinishGoodsWarehouse,WestWall,Interior

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129377 **Description / Location:** Lt.Tan Sheetrock
Client No.: HA39A FinishGoodsWarehouse,SIntWall(Lean-To)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	98

Lab No.: 5129377 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA39A FinishGoodsWarehouse,SIntWall(Lean-To)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Fax: 856-231-9818

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129378 **Description / Location:** Lt.Tan Sheetrock
Client No.: HA39B FinishGoodsWarehouse,SIntWall(Lean-To)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Cellulose	97

Lab No.: 5129378 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA39B FinishGoodsWarehouse,SIntWall(Lean-To)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129379 **Description / Location:** Lt.Tan Sheetrock
Client No.: HA39C FinishGoodsWarehouse,WIntWall(Lean-To)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 5129379 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA39C FinishGoodsWarehouse,WIntWall(Lean-To)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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9000 Commerce Parkway, Ste B
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Toll Free 877-428-4285
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129380 **Description / Location:** Black Shingle
Client No.: HA40A FinishGoodsWarehouse,SInterior(Lean-To)

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Lab No.: 5129381 **Description / Location:** Dk.Tan Ceiling Tile; 1x1
Client No.: HA41A FinishGoodsWarehouse,OfficeOnWestSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	99	Cellulose	None Detected
		1	Fibrous Glass	

Lab No.: 5129382 **Description / Location:** Tan Carpet Mastic
Client No.: HA42A FinishGoodsWarehouse,OfficeOnWSide,WInt

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Cellulose	99

Lab No.: 5129383 **Description / Location:** Off-White Window Glazing
Client No.: HA43A FinishGoodsWarehouse,SouthwestInterior

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129384 **Description / Location:** Off-White Window Glazing
Client No.: HA43B FinishGoodsWarehouse,NorthwestInterior

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5129385 **Description / Location:** Sample Not Analyzed
Client No.: HA43C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129386 **Description / Location:** Lt.Tan Vinyl Sheet Flooring
Client No.: HA44A FinishGoodsWarehouseWomen'sRestroomSouth

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	82
		3	Fibrous Glass	

Lab No.: 5129387 **Description / Location:** Tan Carpet Mastic
Client No.: HA45A FinishGoodsWarehouseWomen'sRestroomSouth

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Cellulose	98

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129388 **Description / Location:** Off-White Window Glazing
Client No.: HA46A FinishGoodsWarehouse,Men'sRestroomEast

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 5129389 **Description / Location:** Pink Window Glazing
Client No.: HA47A Mold Room, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129390 **Description / Location:** Off-White Window Glazing
Client No.: HA47B Roll Lining Room, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129391 **Description / Location:** Off-White/White Window Glazing
Client No.: HA47C Storage And Ovens, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.75	Chrysotile	None Detected	None Detected	PC 99.25

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129392 **Description / Location:** White Insulation; TSI, Mag Block
Client No.: HA48A R&DTestingGarage,NorthWall,SprinklerLine

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
25	Chrysotile	None Detected	None Detected	75

Lab No.: 5129393 **Description / Location:** Sample Not Analyzed
Client No.: HA48B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129394 **Description / Location:** Sample Not Analyzed
Client No.: HA48C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129395 **Description / Location:** White Window Caulk
Client No.: HA49A Mold Room, Northwest Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129396 **Description / Location:** Off-White Window Glazing
Client No.: HA50A Mold Room, Southeast Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 5129397 **Description / Location:** Black Tar
Client No.: HA51A Mold Room, Exterior Wall, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129398 **Description / Location:** Lt.Grey Insulation; TSI Aircell
Client No.: HA52A 2"SteamLine; Storage & Ovens, North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
60	Chrysotile	30	Cellulose	10

Lab No.: 5129399 **Description / Location:** Sample Not Analyzed
Client No.: HA52B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129400 **Description / Location:** Sample Not Analyzed
Client No.: HA52C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129401 **Description / Location:** Pink Window Glazing
Client No.: HA53A Brake Block Finishing, East Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 5129402 **Description / Location:** Pink Window Glazing
Client No.: HA53B Storage & Ovens, West Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Lab No.: 5129403 **Description / Location:** Black Insulation
Client No.: HA54A 2",4",6",8",1"FlexExhaustDuct, Extrusion

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Cellulose	99

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: E. Smith

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129404 **Description / Location:** Black Insulation/Wrap
Client No.: HA54B 2",4",6",8",1"FlexExhDuct,Storage&Ovens

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 5129405 **Description / Location:** BlackInsulation/Wrap;BrakeBlockFinishing
Client No.: HA54C 2",4",6",8",1" Flex Exhaust Duct

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	97	Cellulose	3

Lab No.: 5129406 **Description / Location:** Brown Gasket; On Oven Doors
Client No.: HA55A BrakeBlockFinishing, SouthwestSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
90	Chrysotile	None Detected	None Detected	10

Lab No.: 5129407 **Description / Location:** Red/Grey Ceramic; Oven Insulator Nodes
Client No.: HA56A Brake Block Finishing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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Indianapolis IN 46278

Report Date: 10/1/2013
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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129408 **Description / Location:** Grey Ceramic; Oven Insulator Nodes
Client No.: HA56B Maintenance Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129409 **Description / Location:** Off-White Insulation; Blown-In
Client No.: HA57A BrakeBlockFinishingInterior,NorthFurnace

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Amosite	None Detected	None Detected	PC 81.8
PC 3.2	Crocidolite			
15	Chrysotile			

Lab No.: 5129410 **Description / Location:** Tan Fibrous; Panel
Client No.: HA58A Brake Block Finishing, Center Oven

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	95	Cellulose	5

Lab No.: 5129411 **Description / Location:** Tan Insulation; Sprayed-On
Client No.: HA59A Brake Block Finishing, West Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129412 **Description / Location:** Tan Insulation; Sprayed-On
Client No.: HA59B Brake Block Finishing, West Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 5129413 **Description / Location:** Grey/Tan Insulation; Sprayed-On
Client No.: HA59C Brake Block Finishing, West Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 5129414 **Description / Location:** Tan/Grey Insulation; Sprayed-On
Client No.: HA59D Brake Block Finishing, Ceiling, North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 5129415 **Description / Location:** Tan Insulation; Sprayed-On
Client No.: HA59E Brake Block Finishing, Ceiling, South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129416 **Description / Location:** Tan Insulation; Sprayed-On
Client No.: HA59F Brake Block Finishing, Ceiling, Center

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 5129417 **Description / Location:** Tan Insulation; Sprayed-On
Client No.: HA59G Brake Block Finishing, Ceiling, East

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	98	Cellulose	2

Lab No.: 5129418 **Description / Location:** Grey Window Glazing
Client No.: HA60A Guard Shack, North Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	None Detected	None Detected	PC 98.8

Lab No.: 5129419 **Description / Location:** Off-White Brick Mortar
Client No.: HA61A Raw Materials Storage, South Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129420 **Description / Location:** Tan Window Glazing
Client No.: HA62A Raw Materials Storage, East Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129421 **Description / Location:** Red Window Glazing
Client No.: HA62B Q/C Engineering Offices, North Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 5129422 **Description / Location:** Off-White Window Glazing
Client No.: HA62C Receiving Dock, North Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.5	Chrysotile	None Detected	None Detected	PC 98.5

Lab No.: 5129423 **Description / Location:** Sample Not Analyzed
Client No.: HA62D

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
	Sample Not Analyzed		Sample Not Analyzed	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129424 **Description / Location:** Sample Not Analyzed
Client No.: HA62E

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129425 **Description / Location:** Brown Mastic; Rubble Pile
Client No.: HA63A Raw Materials Storage, Northeast Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

Lab No.: 5129426 **Description / Location:** Red Window Glazing
Client No.: HA64A Raw Material Storage, Roof Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129427 **Description / Location:** Red Window Glazing
Client No.: HA64B Raw Material Storage, Roof Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC Trace	Chrysotile	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

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Indianapolis IN 46278

Report Date: 10/1/2013
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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129428 **Description / Location:** Black Tar; A/W Window
Client No.: HA64C Raw Material Storage, Roof Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.5	Chrysotile	None Detected	None Detected	PC 93.5

Lab No.: 5129429 **Description / Location:** White/Tan Sheetrock; Ceiling, RubblePile
Client No.: HA65A RawMaterialsStorage, NorthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 5129430 **Description / Location:** White/Tan Sheetrock; Ceiling, RubblePile
Client No.: HA65B RawMaterialsStorage, NorthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 5129431 **Description / Location:** White/Tan Sheetrock; Ceiling, RubblePile
Client No.: HA65C RawMaterialsStorage, NorthwestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129432 **Description / Location:** Grey Block Mortar; A/W Red 12x12 Block
Client No.: HA66A Raw Materials Storage, West Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 0.5	Chrysotile	None Detected	None Detected	PC 99.5

Lab No.: 5129433 **Description / Location:** Grey Block Mortar; A/W Grey Newer Block
Client No.: HA67A Raw Materials Storage, West Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129434 **Description / Location:** White Window Glazing
Client No.: HA68A Yarn Treating, South Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.6	Chrysotile	None Detected	None Detected	PC 98.4

Lab No.: 5129435 **Description / Location:** Sample Not Analyzed
Client No.: HA68B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
	Sample Not Analyzed		Sample Not Analyzed	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129436 **Description / Location:** Sample Not Analyzed
Client No.: HA68C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129437 **Description / Location:** Sample Not Analyzed
Client No.: HA68D

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129438 **Description / Location:** Sample Not Analyzed
Client No.: HA68E

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129439 **Description / Location:** Off-White Window Glazing
Client No.: HA69A Pump/Boiler Room, North Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129440 **Description / Location:** Tan Window Glazing
Client No.: HA70A Pump/Boiler Room, West Central Window

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.3	Chrysotile	None Detected	None Detected	PC 98.7

Lab No.: 5129441 **Description / Location:** Off-White Window Glazing
Client No.: HA71A Pump/Boiler Room, West Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 2.1	Chrysotile	None Detected	None Detected	PC 97.9

Lab No.: 5129442 **Description / Location:** Off-White Window Glazing
Client No.: HA72A Pump/Boiler Room, EastSide Upper Windows

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.7	Chrysotile	None Detected	None Detected	PC 98.3

Lab No.: 5129443 **Description / Location:** Clear Caulk
Client No.: HA73A Wet Mix Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Analysis Performed By: B. Hargrove

Date: 10/1/2013

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
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Local: 856-231-9449
Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129444 **Description / Location:** Black Window Caulk
Client No.: HA74A ClutchFacingFinishing,Ext,NorthWindows

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129445 **Description / Location:** Grey Building Caulk
Client No.: HA75A AutomatedWinding,EastExtWall,NorthVent

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	1	Fibrous Glass	99

Lab No.: 5129446 **Description / Location:** Grey/Off-White/Silver Wrap
Client No.: HA76A Automated Winding, Exterior East Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	35	Fibrous Glass	65

Lab No.: 5129447 **Description / Location:** Off-White/Silver/Tan Wrap
Client No.: HA76B Automated Winding, Exterior East Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Fibrous Glass	75
		10	Cellulose	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129448 **Description / Location:** Off-White/Silver/Tan Wrap
Client No.: HA76C Automated Winding, Exterior East Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Fibrous Glass	75
		10	Cellulose	

Lab No.: 5129449 **Description / Location:** White/Tan Sheetrock; Ceiling
Client No.: HA77A Yarn Receiving, Electrical Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 5129450 **Description / Location:** Grey Block Mortar
Client No.: HA78A Yarn Receiving, East Entry Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129451 **Description / Location:** Grey Transite Panel
Client No.: HA79A Yarn Treating Machinery

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
25	Chrysotile	None Detected	None Detected	75

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: B. Hargrove

Date: 10/1/2013

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129452 **Description / Location:** Sample Not Analyzed
Client No.: HA79B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129453 **Description / Location:** Sample Not Analyzed
Client No.: HA79C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129454 **Description / Location:** Grey Fibrous; In Yarn Machines
Client No.: HA80A Yarn From Yarn Treating Machinery

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Fibrous Glass	10
		70	Cellulose	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129455 **Description / Location:** Tan Floor Tile; 9x9
Client No.: HA81A Clutch Facing Pressing, Southwest Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 7.8	Chrysotile	None Detected	None Detected	PC 92.2

Lab No.: 5129455 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: HA81A Clutch Facing Pressing, Southwest Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129456 **Description / Location:** Green Floor Tile; 9x9
Client No.: HA82A Clutch Facing Pressing, Southwest Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 8.7	Chrysotile	None Detected	None Detected	PC 91.3

Lab No.: 5129456 **Description / Location:** Black Mastic **Layer No.:** 2
Client No.: HA82A Clutch Facing Pressing, Southwest Corner

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129457 **Description / Location:** Grey Block Mortar
Client No.: HA83A Clutch Facing Pressing, WestCentralWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129458 **Description / Location:** Grey/Tan Block Mortar
Client No.: HA84A IndustrialPressing, NWPatchedWindows

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129459 **Description / Location:** Sample Not Analyzed
Client No.: HA85A

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
	Sample Not Analyzed		Sample Not Analyzed	

Note: Insufficient material provided for analysis.

Lab No.: 5129460 **Description / Location:** Grey/White Ceiling Tile; 2x4
Client No.: HA86A QC Office Hallway, West

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	75	Cellulose	20
		5	Fibrous Glass	

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129461 **Description / Location:** Grey/White Ceiling Tile; 2x4
Client No.: HA86B QC Office Hallway, East

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 5129462 **Description / Location:** White Floor Tile; 12x12
Client No.: HA87A QC Office Hallway, West

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129462 **Description / Location:** Tan/White Mastic/Leveling Compound **Layer No.:** 2
Client No.: HA87A QC Office Hallway, West

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129463 **Description / Location:** White Floor Tile; 12x12
Client No.: HA87B QC Office Hallway, East

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129463 **Description / Location:** Tan/White Mastic/Leveling Compound **Layer No.:** 2
Client No.: HA87B QC Office Hallway, East

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129464 **Description / Location:** Tan Carpet Mastic
Client No.: HA88A Central Office, Office And Hall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129465 **Description / Location:** White/Tan Sheetrock; Wall & Ceiling
Client No.: HA89A QCOffices,FirstFloorOffices,WestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129466 **Description / Location:** White/Tan Sheetrock; Wall & Ceiling
Client No.: HA89B QCOffices,FirstFloorOffices,Hallway

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 5129467 **Description / Location:** White/Tan Sheetrock; Wall & Ceiling
Client No.: HA89C QCOffices,FirstFlrOffices,CentralOffics

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 5129468 **Description / Location:** Grey Transite Wall Panel
Client No.: HA90A QCOffices,FirstFloorOffices,EastOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
30	Chrysotile	None Detected	None Detected	70

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
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Fax: 856-231-9818

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129469 **Description / Location:** Brown/Off-White Floor Tile; 12x12
Client No.: HA91A QCOffices,FirstFloorOffices,WestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 6.8	Chrysotile	None Detected	None Detected	PC 93.2

Lab No.: 5129469 **Description / Location:** Tan Mastic **Layer No.:** 2
Client No.: HA91A QCOffices,FirstFloorOffices,WestOffice

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129470 **Description / Location:** White/Tan Sheetrock
Client No.: HA92A QCOfcs,FirstFlrOfcs,NCentralOfc,Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 5129470 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA92A QCOfcs,FirstFlrOfcs,NCentralOfc,Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129471 **Description / Location:** White/Tan Sheetrock
Client No.: HA92B QCOfcs,FirstFlrOfcs,NCentralOfc,NSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 5129471 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA92B QCOfcs,FirstFlrOfcs,NCentralOfc,NSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129472 **Description / Location:** White/Tan Sheetrock
Client No.: HA92C QCOfcs,FirstFlrOfcs,NCentralOfc,NSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	25	Cellulose	75

Lab No.: 5129472 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA92C QCOfcs,FirstFlrOfcs,NCentralOfc,NSide

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129473 **Description / Location:** White/Tan Sheetrock
Client No.: HA93A Mezzanine, West Office, South Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	15	Cellulose	85

Lab No.: 5129474 **Description / Location:** White/Tan Sheetrock
Client No.: HA93B Mezzanine, West Office, South Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 5129475 **Description / Location:** White Sheetrock
Client No.: HA93C Mezzanine, West Office, South Wall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Cellulose	97

Lab No.: 5129476 **Description / Location:** White Insulation
Client No.: HA94A Mezzanine Electrical Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
95	Chrysotile	None Detected	None Detected	5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Analysis Performed By: R. Caran

Date: 10/1/2013

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129477 **Description / Location:** White Ceiling Tile; 2x4
Client No.: HA95A QC Area Lab, North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	80	Cellulose	20

Lab No.: 5129478 **Description / Location:** White Ceiling Tile; 2x4
Client No.: HA96A QCAreaLab, CentralQCOffice, FirstFloor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	60	Cellulose	10
		30	Fibrous Glass	

Lab No.: 5129479 **Description / Location:** White Sheetrock
Client No.: HA97A QC Testing, West Wall, North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Cellulose	98

Lab No.: 5129479 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA97A QC Testing, West Wall, North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Analysis Performed By: R. Caran

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Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129480 **Description / Location:** White Sheetrock
Client No.: HA97B QC Testing, West Wall, Central

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Cellulose	98

Lab No.: 5129480 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA97B QC Testing, West Wall, Central

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129481 **Description / Location:** White Sheetrock
Client No.: HA97C QC Testing, West Wall, South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Cellulose	98

Lab No.: 5129481 **Description / Location:** White Joint Compound **Layer No.:** 2
Client No.: HA97C QC Testing, West Wall, South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Caran

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129482 **Description / Location:** Brown Ceiling Tile; 1x1
Client No.: HA98A QC Testing, North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	None Detected

Lab No.: 5129483 **Description / Location:** Brown Ceiling Tile; 1x1
Client No.: HA98B QC Testing, South End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	None Detected

Lab No.: 5129484 **Description / Location:** Grey Floor Tile; 12x12
Client No.: HA99A QC Testing, North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129484 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: HA99A QC Testing, North End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129485 **Description / Location:** Grey Floor Tile; 12x12
Client No.: HA99B QC Testing, South End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129485 **Description / Location:** Yellow Mastic **Layer No.:** 2
Client No.: HA99B QC Testing, South End

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129486 **Description / Location:** Grey Transite Panel
Client No.: HA100A Ceiling; Over Smoking Cafeteria

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
20	Chrysotile	None Detected	None Detected	80

Lab No.: 5129486 **Description / Location:** White Sheetrock **Layer No.:** 2
Client No.: HA100A Ceiling; Over Smoking Cafeteria

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129487 **Description / Location:** Brown Ceiling Tile; 2x4
Client No.: HA101A Center Mezzanine Office

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	Trace

Lab No.: 5129488 **Description / Location:** Brown Ceiling Tile; 2x4
Client No.: HA102A QC Testing/Office Hallway, Mid

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	Trace

Lab No.: 5129489 **Description / Location:** Brown Ceiling Tile; 2x4
Client No.: HA102B QC Testing/Office Hallway, West

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	Trace

Lab No.: 5129490 **Description / Location:** White/Brown Ceiling Tile; 1x1
Client No.: HA103A Smoking Cafeteria, Middle

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	Trace

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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iATL INTERNATIONAL
Asbestos Testing Laboratories

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Mount Laurel, NJ 08054
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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129491 **Description / Location:** White/Brown Ceiling Tile; 1x1
Client No.: HA103B Smoking Cafeteria, South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	Trace

Lab No.: 5129492 **Description / Location:** White/Brown Ceiling Tile; 1x1
Client No.: HA104A Smoking Cafeteria, Northwest

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	Trace

Lab No.: 5129493 **Description / Location:** White/Brown Ceiling Tile; 1x1
Client No.: HA104B Smoking Cafeteria, Northeast

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Cellulose	Trace

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129494 **Description / Location:** Grey Floor Tile; 12x12
Client No.: HA105A Smoking Cafeteria, North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129494 **Description / Location:** Grey Mastic **Layer No.:** 2
Client No.: HA105A Smoking Cafeteria, North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129495 **Description / Location:** Grey Floor Tile; 12x12
Client No.: HA105B Smoking Cafeteria, Middle

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129495 **Description / Location:** Grey Mastic **Layer No.:** 2
Client No.: HA105B Smoking Cafeteria, Middle

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129496 **Description / Location:** Grey Floor Tile; 12x12
Client No.: HA105C Smoking Cafeteria, South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129496 **Description / Location:** Grey Mastic **Layer No.:** 2
Client No.: HA105C Smoking Cafeteria, South

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129497 **Description / Location:** White Sheetrock
Client No.: HA106A SmokingCafeteria,EastUpperPartitionWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	2	Cellulose	98

Lab No.: 5129498 **Description / Location:** White Window Caulk
Client No.: HA107A Smoking Cafeteria

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129499 **Description / Location:** White/Black Wrap; A/W Roof
Client No.: HA108A Research & Development Garage

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Fibrous Glass	95

Lab No.: 5129500 **Description / Location:** Black Roof Material
Client No.: HA109A Brake Block Finishing, North

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4.5	Chrysotile	None Detected	None Detected	PC 95.5

Lab No.: 5129501 **Description / Location:** Black Roof Material
Client No.: HA110A Pump/Boiler Room

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	20	Cellulose	80

Lab No.: 5129502 **Description / Location:** Black Roof Caulk
Client No.: HA111A Automated Winding/Yarn Treating

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 7.5	Chrysotile	None Detected	None Detected	PC 92.5

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129503 **Description / Location:** Black Roof Material
Client No.: HA112A Industrial Pressing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 4.6	Chrysotile	5	Cellulose	PC 90.4

Lab No.: 5129504 **Description / Location:** Black Roof Material
Client No.: HA113A Manual Winding

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	3	Synthetic	94
		3	Fibrous Glass	

Lab No.: 5129505 **Description / Location:** Black Roof Material
Client No.: HA114A Clutch Facing Finishing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 5.3	Chrysotile	None Detected	None Detected	PC 94.7

Lab No.: 5129506 **Description / Location:** Black Roof Material
Client No.: HA115A Yarn Treating

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129507 **Description / Location:** Black Roof Material
Client No.: HA116A Automated Winding

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	5	Cellulose	95

Lab No.: 5129508 **Description / Location:** Green Shingle; A/W Roof
Client No.: HA117A Yarn Receiving

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	35	Cellulose	65

Lab No.: 5129509 **Description / Location:** White/Yellow Roof Material
Client No.: HA118A Yarn Treatment Area, Surfacing On AHU

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129510 **Description / Location:** White/Yellow Roof Material
Client No.: HA118B Yarn Treatment Area, Surfacing On AHU

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129511 **Description / Location:** White/Yellow Roof Material
Client No.: HA118C Yarn Treatment Area, Surfacing On AHU

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129512 **Description / Location:** White/Yellow Roof Material
Client No.: HA118D Yarn Treatment Area, Surfacing On AHU

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129513 **Description / Location:** White/Yellow Roof Material
Client No.: HA118E Yarn Treatment Area, Surfacing On AHU

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129514 **Description / Location:** Black Roof Material
Client No.: HA119A Raw Materials Storage

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 8.9	Chrysotile	None Detected	None Detected	PC 91.1

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

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BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129515 **Description / Location:** White Insulation
Client No.: HA120A A/W Circuit Breaker, Mezzanine

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129516 **Description / Location:** Grey Insulation
Client No.: HA121A A/W Circuit Breaker, Mezzanine

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129517 **Description / Location:** White Cementitious
Client No.: HA122A VerticalWallPaneling;RawStorageMaterials

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129518 **Description / Location:** Black Brake Pads
Client No.: HA123A QC Lab Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
30	Chrysotile	None Detected	None Detected	70

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Caran

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129519 **Description / Location:** Grey Fibrous; On Pallet
Client No.: HA124A Extrusion Area Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	100	Synthetic	Trace

Lab No.: 5129520 **Description / Location:** Black Insulation
Client No.: HA125A Mold Room Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129521 **Description / Location:** White Insulation
Client No.: HA126A Maintenance Area Floor

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
50	Chrysotile	50	Synthetic	None Detected

Lab No.: 5129522 **Description / Location:** Grey Floor Debris
Client No.: HA127A Brake Block Finishing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 1.2	Chrysotile	1	Hair	PC 37.8
		60	Fibrous Glass	

Note: Not building material. 1% threshold may not apply.

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Caran

Date: 10/1/2013

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129523 **Description / Location:** Brown/Grey Floor Debris
Client No.: HA128A Extrusion Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Cellulose	5
		5	Fibrous Glass	

Note: Not building material. 1% threshold may not apply.

Lab No.: 5129524 **Description / Location:** Brown Floor Debris
Client No.: HA129A Raw Materials Storage

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
12	Chrysotile	3	Cellulose	60
		25	Fibrous Glass	

Note: Not building material. 1% threshold may not apply.

Lab No.: 5129525 **Description / Location:** White Floor Debris
Client No.: HA130A Roll Lining Area

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Note: Not building material. 1% threshold may not apply.

Lab No.: 5129526 **Description / Location:** WhiteInsulation; TSIAircellOn1"SteamPipe
Client No.: HA131A OfficeBuilding,FirstFloorNortheastCloset

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
50	Chrysotile	50	Cellulose	None Detected

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Caran

Date: 10/1/2013

iATL INTERNATIONAL
Asbestos Testing Laboratories

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129527 **Description / Location:** Sample Not Analyzed
Client No.: HA131B

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129528 **Description / Location:** Sample Not Analyzed
Client No.: HA131C

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
Sample Not Analyzed		Sample Not Analyzed		

Lab No.: 5129529 **Description / Location:** Brown Insulation; Heat Shield
Client No.: HA132A From Transformer, R&D, South Side

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129530 **Description / Location:** White Oven Insulation; Block
Client No.: HA133A Brake Block Finishing, North Oven

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
PC 5.0	Chrysotile	None Detected	None Detected	88
PC 5.0	Amosite			
PC 2.0	Crocidolite			

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Caran

Date: 10/1/2013

9000 Commerce Parkway, Ste B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 10/1/2013
Report No: 315512
Project: 1849SabineSt.,Huntington,IN
Project No.: 068260.00.001

BULK SAMPLE ANALYSIS SUMMARY

Lab No.: 5129531 **Description / Location:** Grey Vinyl Sheet Flooring
Client No.: HA134A Brake Block Finishing

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	None Detected	None Detected	100

Lab No.: 5129532 **Description / Location:** Brown Insulation; Heat Shield
Client No.: HA135A InTransformer;BrakeBlockFinishing,NWall

% Asbestos	Type	% Non-Asbestos Fibrous Material	Type	% Non-Fibrous Material
None Detected	None Detected	90	Fibrous Glass	10

Accreditation **NIST-NVLAP No. 101165-0** **NY-DOH No. 11021** **AIHA-LAP, LLC No. 100188**

Analytical Method: EPA 600/R-93/116, by Polarized Light Microscopy

Comments: Quantification at <0.25% by volume is possible with this method. (PC) Indicates Stratified Point Count Method performed. (PC-Trace) means that asbestos was detected but is not quantifiable under the Point Counting regimen. Analysis includes all distinct separable layers in accordance with EPA 600 Method. If not reported or otherwise noted, layer is either not present or the client has specifically requested that it not be analyzed (ex. analyze until positive instructions). Small asbestos fibers may be missed by PLM due to resolution limitations of the optical microscope. Therefore, PLM is not consistently reliable in detecting asbestos in non-friable organically bound (NOB) materials. Quantitative transmission electron microscopy (TEM) is currently the only method that can pronounce materials as non-asbestos containing.

Analysis Performed By: R. Caran

Date: 10/1/2013

APPENDIX B

PAINT CHIP SAMPLE CHAIN OF CUSTODY FORMS AND CERTIFICATES OF ANALYSIS

iATL INTERNATIONAL
ASBESTOS TESTING LABORATORIES

9000 Commerce Parkway, Suite B • Mount Laurel, NJ 08054
Phone: 877-428-4285/856-231-9449 • Fax: 856-231-9818

Chain of Custody

– Environmental Lead –

Contact Information

Client Company:	SME	**Project Number:**	068260.00.001
Office Address:	5847 W. 74th Street	**Project Name:**	1849 Sabine St, Huntington, IN
City, State, Zip:	Indianapolis, IN 46278	**Primary Contact:**	Laura Welsh
Fax Number:	317-876-0300	**Office Phone:**	317-876-0200
Email Address:	welsh@sme-usa.com	**Cell Phone:**	317-879-6172

iATL is accredited by the National Lead Laboratory Accreditation Program (NLLAP) to perform analytical testing of environmental samples for lead (Pb). The accreditation is through AIHA-LAP, LLC and several other nationally recognized state programs.

Matrix/Method:

- ☑ Paint by AAS: ASTM D3335-85a, 2009
- ☐ Wipe/Dust by AAS: SW 846: 3050B: 700B, 2010
- ☐ Air by AAS: NIOSH 7082, 1994
- ☐ Soil by AAS: EPA SW 846 (Soil)
- ☐ Water by AAS-GF: ASTM D3559-03D, USEPA 40CFR 141.11B, 2010
- ☐ Other Metals (Cd, Zn, Cr) by AAS
- ☐ Toxicity Characteristic Leaching Procedure (TCLP) by AAS: USEPA 1311
- ☐ Other _____

E-MAILED 1443 9/30/13

Special Instructions:

_____

_____

Turnaround Time

Preliminary Results Requested Date: _____ (Specific date / time) ☐ Verbal ☐ Email ☐ Fax

☐ 10 Day ■ 5 Day ☐ 3 Day ☐ 2 Day ☐ 1 Day* ☐ 12 Hour** ☐ 6 Hour** ☐ RUSH**

* End of next business day unless otherwise specified. ** Matrix Dependent. ***Please notify the lab before shipping***

22

Chain of Custody

Relinquished (Name/Organization):	Laura Welsh/SME	Date: 9/20/13	Time: 1312
Received (Name / iATL):		Date:	Time:
Sample Login (Name / iATL):		Date: 9/24/13	Time:
Analysis(Name(s) / iATL):	9/24/13	Date:	Time:
QA/QC Review (Name / iATL):	AA 10/1/13	Date:	Time:
Archived / Released: _____ QA/QC InterLAB Use: _____		Date:	Time:

RECEIVED SEP 24 2013 IATL By

CHAIN OF CUSTODY LOG

soil and materials engineers

43980 Plymouth Oaks Blvd.
Plymouth, Michigan, 48170
Phone 734-454-9900
FAX 734-454-0629

CLIENT NAME: City of Huntington
SITE ADDRESS: 1849 Sabine Street, Huntington, Indiana

ANALYSIS REQUESTED: AAS: Lead in Paint ASTM D3335-85a

Sample #	Description/Location	
P1	Red exterior paint, guard shack	5127593
P2	Cream interior paint, guard shack	5127594
P3	White interior paint, main office	5127595
P4	Pink interior paint, main office	5127596
P5	Brown interior paint, main office	5127597
P6	White over light green interior paint, main office	5127598
P7	Light brown over dark red interior paint, main office	5127599
P8	Seafoam green interior paint, main office	5127600
P9	Light blue interior paint, main office	5127601
P10	Light grey exterior paint, cargotainers	5127602
P11	Beige interior paint, main building	5127603
P12	Green interior paint, main building	5127604
P13	Safety yellow interior paint, main building	5127605
P14	Dark grey interior paint, main building	5127606
P15	Safety red interior paint, main building	5127607
P16	Black interior paint, main building	5127608
P17	Safety orange interior paint, main building\	5127609
P18	Silver interior paint, main building machinery	5127610
P19	Yellow interior paint, main building	5127611
P20	Blue interior paint, main building	5127612
P21	Orange/red exterior paint, extrusions	5127613
P22	White exterior paint, finished goods	5127614

RELINQUISHED BY: Laura Welsh DATE: 9/20/13 TIME: 1312
RECEIVED BY: DATE: TIME:

Please provide 5 day turnaround, emailed to Laura Welsh at welsh@sme-usa.com.

SME USE ONLY
Date Sampled: 9/17/2013 SME Project #: 068260.00.001

IATL International Asbestos Testing Laboratories

9000 Commerce Parkway, Suite B, Mt. Laurel, NJ 08054
Telephone: 856-231-9449 Fax: 856-231-9818
INFO@IATL.COM

DAILY QUALITY CONTROL DATA

LEAD SAMPLE ANALYSIS

(DATE: 09 / 30 / 13)

Standard	Total Lead (mg)	Percent Recovery **
Reagent Blank	0.000	< LOQ
Blank Spike	0.500	101
Lab control Std # 401	0.314	102
Matrix Spike - LBP *	1.05	105
Matrix Spike - Wipe *	1.24	106
Matrix Spike - Soil *	0.314	107
Matrix spike - Air *	0.050	104
2.5 ppm Standard	0.25	100
10.0 ppm Standard	1.0	98
40.0 ppm Standard	4.0	102

AIHA LAP-LLC No. 100188 **NYS-DOH** ELAP No. 11021

Analysis Method: ASTM D3335-85A
NIOSH 7082
EPA SW846 3050B 7000B

Comments: IATL assumes that all sampling complies with accepted methods.
All client supplied sampling data is assumed to be correct when calculating results.
Detection limit based upon 0.2 mg/L reporting limit and sample size.
* NIST Traceable.
** 80-120% acceptable limits.

Analyzed By: R. Chad Shaffer
Date: 9/30/13

Approved By: Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway, Suite B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 9/30/2013
Report Number: 315402
Project: 1849 Sabine St
Project No.: 068260.00.001

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Concentration Lead By Weight (%)
5127593	P1	Red Exterior Paint Guard Shack	0.12
5127594	P2	Cream Interior Paint Guard Shack	<0.0073
5127595	P3	White Interior Paint Main Office	0.020
5127596	P4	Pink Interior Paint Main Office	<0.0086
5127597	P5	Brown Interior Paint Main Office	0.29
5127598	P6	White/Lt Green Interior Paint Main Office	0.66
5127599	P7	Lt Brwon/Dk Red Interior Paint Main Office	0.48
5127600	P8	Seafoam Green Interior Paint Main Office	0.61
5127601	P9	Lt Blue Interior Paint Main Office	0.044
5127602	P10	Lt Grey Exterior Paint Cargotainers	0.049

Accreditations: **NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)**
AIHA-LAP, LLC No. 100188 NYSDOH-ELAP No. 11021

Analytical Methods: ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"
EPA SW846-(3050B:7000B) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

Comments: Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Apendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0044% by weight. RL= 0.010% by weight (based upon 100 mg sampled). * Insufficient sample provided to perform QC reanalysis (<200 mg) ** Not enough sample provided to analyze (<50 mg) *** Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

Date Received: 9/24/2013
Date Analyzed: 9/30/2013
Analyst: C. Shaffer

Approved By:
Frank E. Ehrenfeld, III
Laboratory Director

9000 Commerce Parkway, Suite B
Mount Laurel, NJ 08054
Toll Free 877-428-4285
Local: 856-231-9449
Fax: 856-231-9818

CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 9/30/2013
Report Number: 315402
Project: 1849 Sabine St
Project No.: 068260.00.001

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Concentration Lead By Weight (%)
5127603	P11	Beige Interior Paint Main Building	0.012
5127604	P12	Green Interior Paint Main Building	0.30
5127605	P13	Safety Yellow Interior Paint Main Building	1.1
5127606	P14	Dk Grey Interior Paint Main Building	0.5***
5127607	P15	Safety Red Interior Paint Main Building	0.44***
5127608	P16	Black Interior Paint Main Building	0.58
5127609	P17	Safety Orange Interior Paint Main Building	2.1
5127610	P18	Silver Interior Paint Main Building Machinery	0.035
5127611	P19	Yellow Interior Paint Main Building	0.17
5127612	P20	Blue Interior Paint Main Building	0.63

Accreditations: **NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)**
AIHA-LAP, LLC No. 100188 NYSDOH-ELAP No. 11021

Analytical Methods: ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"
EPA SW846-(3050B:7000B) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

Comments: Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Apendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0044% by weight. RL= 0.010% by weight (based upon 100 mg sampled). * Insufficient sample provided to perform QC reanalysis (<200 mg) ** Not enough sample provided to analyze (<50 mg) *** Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

Date Received: 9/24/2013

Date Analyzed: 9/30/2013

Analyst: C. Shaffer

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CERTIFICATE OF ANALYSIS

Client: Soil & Materials Engineers Inc
5847 West 74th Street
Indianapolis IN 46278

Report Date: 9/30/2013
Report Number: 315402
Project: 1849 Sabine St
Project No.: 068260.00.001

LEAD PAINT SAMPLE ANALYSIS SUMMARY

Lab No.	Client No.	Location / Description	Concentration Lead By Weight (%)
5127613	P21	Orange/Red Exterior Paint Extrusions	Void**
5127614	P22	White Exterior Paint Finished Goods	0.22

Accreditations: **NATIONAL LEAD LABORATORY ACCREDITATION PROGRAM (NLLAP)**
AIHA-LAP, LLC No. 100188 NYSDOH-ELAP No. 11021

Analytical Methods: ASTM D3335-85A "Standard Method To Test For Low Concentrations Of Lead In Paint By Atomic Absorption Spectrophotometry"
EPA SW846-(3050B:7000B) "Standard Method To Test For Low Concentrations Of Lead In Soils, Sludges and Sediments By AAS"

Comments: Regulatory limit is 0.5% lead by weight (EPA/HUD guidelines). Recommend multiple sampling for all samples less than regulatory limit for confirmation. All results are based on the samples as received at the lab. IATL assumes that appropriate sampling methods have been used and the data upon which these results are based have been accurately supplied by the client. Method Detection Limit (MDL) per EPA Method 40CFR Part 136 Apendix B. Reporting Limit (RL) based upon Lowest Standard Determined (LSD) in accordance with AIHA-ELLAP policies. LSD=0.2 ppm MDL=0.0044% by weight. RL= 0.010% by weight (based upon 100 mg sampled). * Insufficient sample provided to perform QC reanalysis (<200 mg) ** Not enough sample provided to analyze (<50 mg) *** Matrix / substrate interference possible. Sample results are not corrected for contamination by field or analytical blanks. This confidential report relates only to those item(s) tested and does not represent an endorsement by NIST-NVLAP, AIHA or any government agency. This report shall not be reproduced except in full, without written approval of the laboratory.

Date Received: 9/24/2013

Date Analyzed: 9/30/2013

Analyst: C. Shaffer

APPENDIX C

TANK AND PIT SAMPLE CHAIN OF CUSTODY FORMS AND CERTIFICATES OF ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document

Pace Analytical® www.pacelabs.com

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

Page: 1 of 2

1754806

Section A Required Client Information:

Company: SME

Address: 5847 W. 74th St

Email To: welsh@sme-usa.com

Phone: 317 760 0200 Fax: 317 760 0300

Requested Due Date/TAT:

Section B Required Project Information:

Report To: Mike Meddock

Copy To:

Purchase Order No.:

Project Name: HK Porter

Project Number: 60360.00.007

Section C Invoice Information:

Attention:

Company Name:

Address:

Pace Quote Reference:

Pace Project Manager:

Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Requested Analysis Filtered (Y/N)

5087028

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs	RUBS	PAHs	BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TS1	SL	G			9/19/13	1112			1									X	X				-001
2	TS2	SL					1212														X			Benzene tanks -002
3	TS3	SL					1102														X			-003
4	TS4	P					1020														X			Benzene tank -004
5	TS5	OL					1130													X	X			-005 / -006
6	FS1	SL					1124													X	X			-007
7	FS2	SL					1120													X	X			-008
8	FS3	SL					1107													X	X			-009
9	FS4	SL					1140														X			-010
10	FS5	SL					1145														X			-011
11	FS6	SL					1150														X			-012
12	FS7	SL	↓			↓	1222			↓											X			-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
All of the TS samples may have very high concentrations	Laura Welsh / SME	9/20/13	0821	Kacky Eck / Pace	9/20/13	0804	5.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

WF / Client

ORIGINAL

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

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CHAIN-OF-CUSTODY / Analytical Request Document

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

1754807

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SME	Report To: Mike Meddock	Attention:
Address: 5847 W 74th St	Copy To:	Company Name:
		Address:
Email To: welsh@sme-usa.com	Purchase Order No.:	Pace Quote Reference:
Phone: 3178760200 Fax: 3178760300	Project Name: HK Porter	Pace Project Manager:
Requested Due Date/TAT: normal	Project Number: 0682260.00.002	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER
☐ UST ☐ RCRA ☐ OTHER

Site Location STATE: IN

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test	PCBs	PAHs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PS8	SL	G			9/19/13	1228			1									X	X		PCBs only water -014
2	PS9	SL	G			9/19/13	1157			1									X	X		-015
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Welsh / SME	9/20/13	0804	Kathy Eck / Pace	9/20/13	0804	5.7	Y	N	Y
							Temp in °C	Received on Ice (Y/N)	Custody Sealed Cooler (Y/N)	Samples Intact (Y/N)

WI / Client ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Laura Welsh

SIGNATURE of SAMPLER: Laura Welsh

DATE Signed (MM/DD/YY): 09/20/13

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Sample Condition Upon Receipt

Client Name: SME   Project # 5087078

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☒ Client ☐ Commercial ☐ Pace Other ______ ______

Tracking #: ____________

Custody Seal on Cooler/Box Present: ☐ yes ☒ no   Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer ______

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☒ Other Ice

Thermometer Used 1 2 3 4 6 A B C D E (2 circled)   Type of Ice: (Wet) Blue None   ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 5.7°C   Ice Visible in Sample Containers: ☐ yes ☒ no

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 9/20/13 [illegible]

				Comments:
Chain of Custody Present:	☒Yes	☐No	☐N/A	1.
Chain of Custody Filled Out:	☒Yes	☐No	☐N/A	2.
Chain of Custody Relinquished:	☒Yes	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☐Yes	☒No	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☒No	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☒No	☐N/A	6.
Containers Intact:	☒Yes	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☒Yes	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☒N/A	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☒N/A	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☒N/A	10.
Trip Blank Present:	☐Yes	☐No	☒N/A	11.
Trip Blank Custody Seals Present	☐Yes	☐No	☒N/A	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Laura Welsh   Date/Time: 9/20/13

Comments/ Resolution:

- Decant off water in jars Run Solids
- TD 2, 3, 4 Came from "Benzene" Tanks. Be careful
- Run TB58 as water for PCBs only

Project Manager Review: Kenneth Hunt   **Date:** 9/20/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: SME

COC PAGE 1 of 2

COC ID# 1754806

Project # SD87078

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: SME

COC PAGE 2 of 2
COC ID# 1754807

Project # 5087078

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			\													
2			\													
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

October 04, 2013

Mr. Mike Meddock
Soil Materials & Engineering, Inc.
5847 W. 74th Street
Indianapolis, IN 46278

RE: Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Dear Mr. Meddock:
Enclosed are the analytical results for sample(s) received by the laboratory on September 20, 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.

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

Sincerely,

Kenneth Hunt

kenneth.hunt@pacelabs.com
Project Manager

Enclosures

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

CERTIFICATIONS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Indiana Certification IDs
7726 Moller Road, Indianapolis, IN 46268
Illinois Certification #: 200074
Indiana Certification #: C-49-06
Kansas Certification #: E-10247
Kentucky Certification #: 0042
Louisiana/NELAC Certification #: 04076
Ohio VAP Certification #: 101170-0
Pennsylvania Certification #: 68-04991
West Virginia Certification #: 330

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1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
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SAMPLE SUMMARY

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Lab ID	Sample ID	Matrix	Date Collected	Date Received
5087078001	**TS1**	Solid	09/19/13 11:12	09/20/13 08:04
5087078002	**TS2**	Solid	09/19/13 10:42	09/20/13 08:04
5087078003	**TS3**	Solid	09/19/13 11:02	09/20/13 08:04
5087078004	**TS4**	Water	09/19/13 10:20	09/20/13 08:04
5087078005	**TS5**	Non Aqueous	09/19/13 11:30	09/20/13 08:04
5087078006	**TS5 (PAH)**	Solid	09/19/13 11:30	09/20/13 08:04
5087078007	**PS1**	Solid	09/19/13 11:24	09/20/13 08:04
5087078008	**PS2**	Solid	09/19/13 11:20	09/20/13 08:04
5087078009	**PS3**	Solid	09/19/13 11:07	09/20/13 08:04
5087078010	**PS4**	Solid	09/19/13 11:40	09/20/13 08:04
5087078011	**PS5**	Solid	09/19/13 11:45	09/20/13 08:04
5087078012	**PS6**	Solid	09/19/13 11:50	09/20/13 08:04
5087078013	**PS7**	Solid	09/19/13 12:22	09/20/13 08:04
5087078014	**PS9**	Solid	09/19/13 12:28	09/20/13 08:04
5087078015	**PS8**	Water	09/19/13 12:28	09/20/13 08:04

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SAMPLE ANALYTE COUNT

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Lab ID	Sample ID	Method	Analysts	Analytes Reported	Laboratory
5087078001	**TS1**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078002	**TS2**	EPA 8260	ALA	7	PASI-I
5087078003	**TS3**	EPA 8260	ALA	7	PASI-I
5087078004	**TS4**	EPA 8260	ALA	7	PASI-I
5087078005	**TS5**	EPA 8082	DMT	8	PASI-I
5087078006	**TS5 (PAH)**	EPA 8270 by SIM	CEM	18	PASI-I
5087078007	**PS1**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078008	**PS2**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078009	**PS3**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
		EPA 8260	ALA	73	PASI-I
5087078010	**PS4**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078011	**PS5**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078012	**PS6**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078013	**PS7**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078014	**PS9**	EPA 8082	DMT	8	PASI-I
		EPA 8270 by SIM	CEM	20	PASI-I
5087078015	**PS8**	EPA 8082	DMT	8	PASI-I

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ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: TS1 **Lab ID: 5087078001** Collected: 09/19/13 11:12 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:26	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:26	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:26	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:26	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:26	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:26	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:26	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	55	%.	30-106	5	09/23/13 11:00	09/25/13 13:26	877-09-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	83-32-9	
Acenaphthylene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	208-96-8	
Anthracene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	120-12-7	
Benzo(a)anthracene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	56-55-3	
Benzo(a)pyrene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	207-08-9	
Chrysene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	53-70-3	
Fluoranthene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	206-44-0	
Fluorene	**4.8**	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	193-39-5	
1-Methylnaphthalene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	91-57-6	
Naphthalene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	91-20-3	2d
Phenanthrene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	85-01-8	
Pyrene	ND	mg/kg	2.7	20	09/23/13 11:00	09/24/13 15:59	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	67	%.	38-110	20	09/23/13 11:00	09/24/13 15:59	321-60-8	
p-Terphenyl-d14 (S)	68	%.	32-111	20	09/23/13 11:00	09/24/13 15:59	1718-51-0	

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ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: TS2 **Lab ID: 5087078002** Collected: 09/19/13 10:42 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST Low Level	Analytical Method: EPA 8260							
Benzene	**3880000**	ug/kg	25000	5000		10/03/13 19:02	71-43-2	E
Toluene	**1860000**	ug/kg	25000	5000		10/03/13 19:02	108-88-3	E
Ethylbenzene	**34200**	ug/kg	5000	1000		10/03/13 01:46	100-41-4	
Xylene (Total)	**288000**	ug/kg	10000	1000		10/03/13 01:46	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	80	%.	85-118	1000		10/03/13 01:46	1868-53-7	D4,S5
Toluene-d8 (S)	96	%.	71-128	1000		10/03/13 01:46	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	56-144	1000		10/03/13 01:46	460-00-4	

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ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: TS3 **Lab ID: 5087078003** Collected: 09/19/13 11:02 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST Low Level	Analytical Method: EPA 8260							
Benzene	**9110000**	ug/kg	25000	5000		10/03/13 19:40	71-43-2	E
Toluene	**4160000**	ug/kg	25000	5000		10/03/13 19:40	108-88-3	E
Ethylbenzene	**54000**	ug/kg	5000	1000		10/03/13 02:24	100-41-4	
Xylene (Total)	**429000**	ug/kg	10000	1000		10/03/13 02:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	77	%.	85-118	1000		10/03/13 02:24	1868-53-7	D4,S5
Toluene-d8 (S)	95	%.	71-128	1000		10/03/13 02:24	2037-26-5	
4-Bromofluorobenzene (S)	97	%.	56-144	1000		10/03/13 02:24	460-00-4	

REPORT OF LABORATORY ANALYSIS

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ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: TS4 **Lab ID: 5087078004** Collected: 09/19/13 10:20 Received: 09/20/13 08:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV UST	Analytical Method: EPA 8260							
Benzene	ND	ug/L	5.0	1		10/03/13 19:21	71-43-2	
Ethylbenzene	ND	ug/L	5.0	1		10/03/13 19:21	100-41-4	
Toluene	ND	ug/L	5.0	1		10/03/13 19:21	108-88-3	
Xylene (Total)	ND	ug/L	10.0	1		10/03/13 19:21	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	99	%.	79-116	1		10/03/13 19:21	1868-53-7	5d
Toluene-d8 (S)	93	%.	81-110	1		10/03/13 19:21	2037-26-5	
4-Bromofluorobenzene (S)	107	%.	80-114	1		10/03/13 19:21	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: TS5 **Lab ID: 5087078005** Collected: 09/19/13 11:30 Received: 09/20/13 08:04 Matrix: Non Aqueous Liquid

Results reported on a "dry-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3580							
PCB-1016 (Aroclor 1016)	ND	mg/kg	20.0	20	09/23/13 09:01	09/25/13 12:57	12674-11-2	D3,N2
PCB-1221 (Aroclor 1221)	ND	mg/kg	20.0	20	09/23/13 09:01	09/25/13 12:57	11104-28-2	N2
PCB-1232 (Aroclor 1232)	ND	mg/kg	20.0	20	09/23/13 09:01	09/25/13 12:57	11141-16-5	N2
PCB-1242 (Aroclor 1242)	ND	mg/kg	20.0	20	09/23/13 09:01	09/25/13 12:57	53469-21-9	N2
PCB-1248 (Aroclor 1248)	ND	mg/kg	20.0	20	09/23/13 09:01	09/25/13 12:57	12672-29-6	N2
PCB-1254 (Aroclor 1254)	ND	mg/kg	20.0	20	09/23/13 09:01	09/25/13 12:57	11097-69-1	N2
PCB-1260 (Aroclor 1260)	ND	mg/kg	20.0	20	09/23/13 09:01	09/25/13 12:57	11096-82-5	N2
Surrogates								
Tetrachloro-m-xylene (S)	0	%.	48-127	20	09/23/13 09:01	09/25/13 12:57	877-09-8	S4

REPORT OF LABORATORY ANALYSIS

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1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: TS5 (PAH) **Lab ID: 5087078006** Collected: 09/19/13 11:30 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	83-32-9	
Acenaphthylene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	208-96-8	
Anthracene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	120-12-7	
Benzo(a)anthracene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	56-55-3	
Benzo(a)pyrene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	207-08-9	
Chrysene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	53-70-3	
Fluoranthene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	206-44-0	
Fluorene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	193-39-5	
1-Methylnaphthalene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	90-12-0	N2
2-Methylnaphthalene	**1.5**	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	91-57-6	
Naphthalene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	91-20-3	4d
Phenanthrene	**2.4**	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	85-01-8	
Pyrene	ND	mg/kg	1.5	1	09/23/13 14:18	09/24/13 18:06	129-00-0	

REPORT OF LABORATORY ANALYSIS

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1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS1 **Lab ID: 5087078007** Collected: 09/19/13 11:24 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:32	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:32	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:32	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:32	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:32	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:32	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:32	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	60	%.	30-106	5	09/23/13 11:00	09/25/13 13:32	877-09-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	83-32-9	
Acenaphthylene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	208-96-8	
Anthracene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	207-08-9	
Chrysene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	53-70-3	
Fluoranthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	206-44-0	
Fluorene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	91-57-6	
Naphthalene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	91-20-3	2d
Phenanthrene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	85-01-8	
Pyrene	**1.7**	mg/kg	0.75	5	09/23/13 11:00	09/24/13 00:54	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	46	%.	38-110	5	09/23/13 11:00	09/24/13 00:54	321-60-8	
p-Terphenyl-d14 (S)	45	%.	32-111	5	09/23/13 11:00	09/24/13 00:54	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS2 **Lab ID: 5087078008** Collected: 09/19/13 11:20 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	30.0	10	09/23/13 11:00	09/25/13 13:38	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	30.0	10	09/23/13 11:00	09/25/13 13:38	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	30.0	10	09/23/13 11:00	09/25/13 13:38	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	30.0	10	09/23/13 11:00	09/25/13 13:38	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	30.0	10	09/23/13 11:00	09/25/13 13:38	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	30.0	10	09/23/13 11:00	09/25/13 13:38	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	30.0	10	09/23/13 11:00	09/25/13 13:38	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	0	%.	30-106	10	09/23/13 11:00	09/25/13 13:38	877-09-8	S4
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	83-32-9	
Acenaphthylene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	208-96-8	
Anthracene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	207-08-9	
Chrysene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	53-70-3	
Fluoranthene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	206-44-0	
Fluorene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	91-57-6	
Naphthalene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	91-20-3	2d
Phenanthrene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	85-01-8	
Pyrene	ND	mg/kg	0.75	5	09/23/13 11:00	09/24/13 01:12	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	55	%.	38-110	5	09/23/13 11:00	09/24/13 01:12	321-60-8	
p-Terphenyl-d14 (S)	52	%.	32-111	5	09/23/13 11:00	09/24/13 01:12	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS3 **Lab ID: 5087078009** Collected: 09/19/13 11:07 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	12.5	5	09/23/13 11:00	09/25/13 13:44	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	12.5	5	09/23/13 11:00	09/25/13 13:44	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	12.5	5	09/23/13 11:00	09/25/13 13:44	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	12.5	5	09/23/13 11:00	09/25/13 13:44	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	12.5	5	09/23/13 11:00	09/25/13 13:44	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	12.5	5	09/23/13 11:00	09/25/13 13:44	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	12.5	5	09/23/13 11:00	09/25/13 13:44	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	93	%.	30-106	5	09/23/13 11:00	09/25/13 13:44	877-09-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	83-32-9	
Acenaphthylene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	208-96-8	
Anthracene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	207-08-9	
Chrysene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	53-70-3	
Fluoranthene	**0.25**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	206-44-0	
Fluorene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	91-57-6	
Naphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	91-20-3	
Phenanthrene	**1.1**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	85-01-8	
Pyrene	**0.75**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:30	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	63	%.	38-110	1	09/23/13 11:00	09/24/13 01:30	321-60-8	
p-Terphenyl-d14 (S)	65	%.	32-111	1	09/23/13 11:00	09/24/13 01:30	1718-51-0	
8260 MSV 5030 Low Level	Analytical Method: EPA 8260							
Acetone	ND	mg/kg	2.5	25		10/03/13 18:24	67-64-1	
Acrolein	ND	mg/kg	2.5	25		10/03/13 18:24	107-02-8	
Acrylonitrile	ND	mg/kg	2.5	25		10/03/13 18:24	107-13-1	
Benzene	ND	mg/kg	0.12	25		10/03/13 18:24	71-43-2	1d
Bromobenzene	ND	mg/kg	0.12	25		10/03/13 18:24	108-86-1	
Bromochloromethane	ND	mg/kg	0.12	25		10/03/13 18:24	74-97-5	
Bromodichloromethane	ND	mg/kg	0.12	25		10/03/13 18:24	75-27-4	
Bromoform	ND	mg/kg	0.12	25		10/03/13 18:24	75-25-2	
Bromomethane	ND	mg/kg	0.12	25		10/03/13 18:24	74-83-9	
2-Butanone (MEK)	ND	mg/kg	0.62	25		10/03/13 18:24	78-93-3	
n-Butylbenzene	ND	mg/kg	0.12	25		10/03/13 18:24	104-51-8	
sec-Butylbenzene	ND	mg/kg	0.12	25		10/03/13 18:24	135-98-8	

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS3 **Lab ID: 5087078009** Collected: 09/19/13 11:07 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 8260							
tert-Butylbenzene	ND	mg/kg	0.12	25		10/03/13 18:24	98-06-6	
Carbon disulfide	ND	mg/kg	0.25	25		10/03/13 18:24	75-15-0	
Carbon tetrachloride	ND	mg/kg	0.12	25		10/03/13 18:24	56-23-5	
Chlorobenzene	ND	mg/kg	0.12	25		10/03/13 18:24	108-90-7	
Chloroethane	ND	mg/kg	0.12	25		10/03/13 18:24	75-00-3	
Chloroform	ND	mg/kg	0.12	25		10/03/13 18:24	67-66-3	
Chloromethane	**0.19**	mg/kg	0.12	25		10/03/13 18:24	74-87-3	
2-Chlorotoluene	ND	mg/kg	0.12	25		10/03/13 18:24	95-49-8	
4-Chlorotoluene	ND	mg/kg	0.12	25		10/03/13 18:24	106-43-4	
Dibromochloromethane	ND	mg/kg	0.12	25		10/03/13 18:24	124-48-1	
1,2-Dibromoethane (EDB)	ND	mg/kg	0.12	25		10/03/13 18:24	106-93-4	
Dibromomethane	ND	mg/kg	0.12	25		10/03/13 18:24	74-95-3	
1,2-Dichlorobenzene	ND	mg/kg	0.12	25		10/03/13 18:24	95-50-1	
1,3-Dichlorobenzene	ND	mg/kg	0.12	25		10/03/13 18:24	541-73-1	
1,4-Dichlorobenzene	ND	mg/kg	0.12	25		10/03/13 18:24	106-46-7	
trans-1,4-Dichloro-2-butene	ND	mg/kg	2.5	25		10/03/13 18:24	110-57-6	
Dichlorodifluoromethane	ND	mg/kg	0.12	25		10/03/13 18:24	75-71-8	
1,1-Dichloroethane	ND	mg/kg	0.12	25		10/03/13 18:24	75-34-3	
1,2-Dichloroethane	ND	mg/kg	0.12	25		10/03/13 18:24	107-06-2	
1,1-Dichloroethene	ND	mg/kg	0.12	25		10/03/13 18:24	75-35-4	
cis-1,2-Dichloroethene	ND	mg/kg	0.12	25		10/03/13 18:24	156-59-2	
trans-1,2-Dichloroethene	ND	mg/kg	0.12	25		10/03/13 18:24	156-60-5	
1,2-Dichloropropane	ND	mg/kg	0.12	25		10/03/13 18:24	78-87-5	
1,3-Dichloropropane	ND	mg/kg	0.12	25		10/03/13 18:24	142-28-9	
2,2-Dichloropropane	ND	mg/kg	0.12	25		10/03/13 18:24	594-20-7	
1,1-Dichloropropene	ND	mg/kg	0.12	25		10/03/13 18:24	563-58-6	
cis-1,3-Dichloropropene	ND	mg/kg	0.12	25		10/03/13 18:24	10061-01-5	
trans-1,3-Dichloropropene	ND	mg/kg	0.12	25		10/03/13 18:24	10061-02-6	
Ethylbenzene	ND	mg/kg	0.12	25		10/03/13 18:24	100-41-4	
Ethyl methacrylate	ND	mg/kg	2.5	25		10/03/13 18:24	97-63-2	
Hexachloro-1,3-butadiene	ND	mg/kg	0.12	25		10/03/13 18:24	87-68-3	
n-Hexane	ND	mg/kg	0.12	25		10/03/13 18:24	110-54-3	N2
2-Hexanone	ND	mg/kg	2.5	25		10/03/13 18:24	591-78-6	
Iodomethane	ND	mg/kg	2.5	25		10/03/13 18:24	74-88-4	
Isopropylbenzene (Cumene)	ND	mg/kg	0.12	25		10/03/13 18:24	98-82-8	
p-Isopropyltoluene	ND	mg/kg	0.12	25		10/03/13 18:24	99-87-6	
Methylene Chloride	ND	mg/kg	0.50	25		10/03/13 18:24	75-09-2	
4-Methyl-2-pentanone (MIBK)	ND	mg/kg	0.62	25		10/03/13 18:24	108-10-1	
Methyl-tert-butyl ether	ND	mg/kg	0.12	25		10/03/13 18:24	1634-04-4	
Naphthalene	ND	mg/kg	0.12	25		10/03/13 18:24	91-20-3	
n-Propylbenzene	ND	mg/kg	0.12	25		10/03/13 18:24	103-65-1	
Styrene	ND	mg/kg	0.12	25		10/03/13 18:24	100-42-5	
1,1,1,2-Tetrachloroethane	ND	mg/kg	0.12	25		10/03/13 18:24	630-20-6	
1,1,2,2-Tetrachloroethane	ND	mg/kg	0.12	25		10/03/13 18:24	79-34-5	
Tetrachloroethene	ND	mg/kg	0.12	25		10/03/13 18:24	127-18-4	
Toluene	ND	mg/kg	0.12	25		10/03/13 18:24	108-88-3	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS3 **Lab ID: 5087078009** Collected: 09/19/13 11:07 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8260 MSV 5030 Low Level	Analytical Method: EPA 8260							
1,2,3-Trichlorobenzene	ND	mg/kg	0.12	25		10/03/13 18:24	87-61-6	
1,2,4-Trichlorobenzene	ND	mg/kg	0.12	25		10/03/13 18:24	120-82-1	
1,1,1-Trichloroethane	ND	mg/kg	0.12	25		10/03/13 18:24	71-55-6	
1,1,2-Trichloroethane	ND	mg/kg	0.12	25		10/03/13 18:24	79-00-5	
Trichloroethene	ND	mg/kg	0.12	25		10/03/13 18:24	79-01-6	
Trichlorofluoromethane	ND	mg/kg	0.12	25		10/03/13 18:24	75-69-4	
1,2,3-Trichloropropane	ND	mg/kg	0.12	25		10/03/13 18:24	96-18-4	
1,2,4-Trimethylbenzene	ND	mg/kg	0.12	25		10/03/13 18:24	95-63-6	
1,3,5-Trimethylbenzene	ND	mg/kg	0.12	25		10/03/13 18:24	108-67-8	
Vinyl acetate	ND	mg/kg	2.5	25		10/03/13 18:24	108-05-4	
Vinyl chloride	ND	mg/kg	0.12	25		10/03/13 18:24	75-01-4	
Xylene (Total)	ND	mg/kg	0.25	25		10/03/13 18:24	1330-20-7	
Surrogates								
Dibromofluoromethane (S)	82	%.	85-118	25		10/03/13 18:24	1868-53-7	3d,S5
Toluene-d8 (S)	95	%.	71-128	25		10/03/13 18:24	2037-26-5	
4-Bromofluorobenzene (S)	98	%.	56-144	25		10/03/13 18:24	460-00-4	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS4 **Lab ID: 5087078010** Collected: 09/19/13 11:40 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:50	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:50	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:50	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:50	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:50	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:50	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	13.6	5	09/23/13 11:00	09/25/13 13:50	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	86	%.	30-106	5	09/23/13 11:00	09/25/13 13:50	877-09-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	83-32-9	
Acenaphthylene	**0.42**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	208-96-8	
Anthracene	**0.32**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	120-12-7	
Benzo(a)anthracene	**0.56**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	56-55-3	
Benzo(a)pyrene	**0.65**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	50-32-8	
Benzo(b)fluoranthene	**1.1**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	205-99-2	
Benzo(g,h,i)perylene	**0.58**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	191-24-2	
Benzo(k)fluoranthene	**0.94**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	207-08-9	
Chrysene	**0.86**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	218-01-9	
Dibenz(a,h)anthracene	**0.26**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	53-70-3	
Fluoranthene	**0.62**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	206-44-0	
Fluorene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	86-73-7	
Indeno(1,2,3-cd)pyrene	**0.56**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	91-57-6	
Naphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	91-20-3	
Phenanthrene	**0.38**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	85-01-8	
Pyrene	**0.69**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 01:48	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	48	%.	38-110	1	09/23/13 11:00	09/24/13 01:48	321-60-8	
p-Terphenyl-d14 (S)	48	%.	32-111	1	09/23/13 11:00	09/24/13 01:48	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS5 **Lab ID: 5087078011** Collected: 09/19/13 11:45 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:56	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:56	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:56	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:56	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:56	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:56	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	15.0	5	09/23/13 11:00	09/25/13 13:56	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	93	%.	30-106	5	09/23/13 11:00	09/25/13 13:56	877-09-8	
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	83-32-9	
Acenaphthylene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	208-96-8	
Anthracene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	207-08-9	
Chrysene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	53-70-3	
Fluoranthene	**0.17**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	206-44-0	
Fluorene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	91-57-6	
Naphthalene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	91-20-3	
Phenanthrene	ND	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	85-01-8	
Pyrene	**0.18**	mg/kg	0.14	1	09/23/13 11:00	09/24/13 02:06	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	68	%.	38-110	1	09/23/13 11:00	09/24/13 02:06	321-60-8	
p-Terphenyl-d14 (S)	70	%.	32-111	1	09/23/13 11:00	09/24/13 02:06	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS6 **Lab ID: 5087078012** Collected: 09/19/13 11:50 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	1.0	10	09/23/13 11:00	09/25/13 14:02	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	1.0	10	09/23/13 11:00	09/25/13 14:02	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	1.0	10	09/23/13 11:00	09/25/13 14:02	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	1.0	10	09/23/13 11:00	09/25/13 14:02	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	1.0	10	09/23/13 11:00	09/25/13 14:02	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	1.0	10	09/23/13 11:00	09/25/13 14:02	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	1.0	10	09/23/13 11:00	09/25/13 14:02	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	0	%.	30-106	10	09/23/13 11:00	09/25/13 14:02	877-09-8	S4
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	83-32-9	
Acenaphthylene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	208-96-8	
Anthracene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	207-08-9	
Chrysene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	53-70-3	
Fluoranthene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	206-44-0	
Fluorene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	91-57-6	
Naphthalene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	91-20-3	2d
Phenanthrene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	85-01-8	
Pyrene	ND	mg/kg	0.025	5	09/23/13 11:00	09/24/13 02:24	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	30	%.	38-110	5	09/23/13 11:00	09/24/13 02:24	321-60-8	S4
p-Terphenyl-d14 (S)	26	%.	32-111	5	09/23/13 11:00	09/24/13 02:24	1718-51-0	S4

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS7 **Lab ID: 5087078013** Collected: 09/19/13 12:22 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	21.4	10	09/23/13 11:00	09/25/13 14:19	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	21.4	10	09/23/13 11:00	09/25/13 14:19	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	21.4	10	09/23/13 11:00	09/25/13 14:19	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	21.4	10	09/23/13 11:00	09/25/13 14:19	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	21.4	10	09/23/13 11:00	09/25/13 14:19	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	21.4	10	09/23/13 11:00	09/25/13 14:19	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	21.4	10	09/23/13 11:00	09/25/13 14:19	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	0	%.	30-106	10	09/23/13 11:00	09/25/13 14:19	877-09-8	S4
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	83-32-9	
Acenaphthylene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	208-96-8	
Anthracene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	120-12-7	
Benzo(a)anthracene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	56-55-3	
Benzo(a)pyrene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	50-32-8	
Benzo(b)fluoranthene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	191-24-2	
Benzo(k)fluoranthene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	207-08-9	
Chrysene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	53-70-3	
Fluoranthene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	206-44-0	
Fluorene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	193-39-5	
1-Methylnaphthalene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	91-57-6	
Naphthalene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	91-20-3	2d
Phenanthrene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	85-01-8	
Pyrene	ND	mg/kg	1.4	10	09/23/13 11:00	09/24/13 16:36	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	57	%.	38-110	10	09/23/13 11:00	09/24/13 16:36	321-60-8	
p-Terphenyl-d14 (S)	56	%.	32-111	10	09/23/13 11:00	09/24/13 16:36	1718-51-0	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS9 **Lab ID: 5087078014** Collected: 09/19/13 12:28 Received: 09/20/13 08:04 Matrix: Solid

Results reported on a "wet-weight" basis

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3546							
PCB-1016 (Aroclor 1016)	ND	mg/kg	3.0	20	09/23/13 11:00	09/25/13 14:25	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	mg/kg	3.0	20	09/23/13 11:00	09/25/13 14:25	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	mg/kg	3.0	20	09/23/13 11:00	09/25/13 14:25	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	mg/kg	3.0	20	09/23/13 11:00	09/25/13 14:25	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	mg/kg	3.0	20	09/23/13 11:00	09/25/13 14:25	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	mg/kg	3.0	20	09/23/13 11:00	09/25/13 14:25	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	mg/kg	3.0	20	09/23/13 11:00	09/25/13 14:25	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	0	%.	30-106	20	09/23/13 11:00	09/25/13 14:25	877-09-8	S4
8270 MSSV PAH by SIM	Analytical Method: EPA 8270 by SIM Preparation Method: EPA 3546							
Acenaphthene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	83-32-9	
Acenaphthylene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	208-96-8	
Anthracene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	120-12-7	
Benzo(a)anthracene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	56-55-3	
Benzo(a)pyrene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	50-32-8	
Benzo(b)fluoranthene	**0.13**	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	205-99-2	
Benzo(g,h,i)perylene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	191-24-2	
Benzo(k)fluoranthene	**0.071**	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	207-08-9	
Chrysene	**0.19**	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	218-01-9	
Dibenz(a,h)anthracene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	53-70-3	
Fluoranthene	**0.24**	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	206-44-0	
Fluorene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	86-73-7	
Indeno(1,2,3-cd)pyrene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	193-39-5	
1-Methylnaphthalene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	90-12-0	N2
2-Methylnaphthalene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	91-57-6	
Naphthalene	ND	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	91-20-3	2d
Phenanthrene	**0.18**	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	85-01-8	
Pyrene	**0.25**	mg/kg	0.050	10	09/23/13 11:00	09/24/13 03:00	129-00-0	
Surrogates								
2-Fluorobiphenyl (S)	7	%.	38-110	10	09/23/13 11:00	09/24/13 03:00	321-60-8	S4
p-Terphenyl-d14 (S)	13	%.	32-111	10	09/23/13 11:00	09/24/13 03:00	1718-51-0	S4

REPORT OF LABORATORY ANALYSIS

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(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

ANALYTICAL RESULTS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Sample: PS8 **Lab ID: 5087078015** Collected: 09/19/13 12:28 Received: 09/20/13 08:04 Matrix: Water

Parameters	Results	Units	Report Limit	DF	Prepared	Analyzed	CAS No.	Qual
8082 GCS PCB	Analytical Method: EPA 8082 Preparation Method: EPA 3510							
PCB-1016 (Aroclor 1016)	ND	ug/L	50.0	10	09/25/13 13:09	09/26/13 16:16	12674-11-2	D3
PCB-1221 (Aroclor 1221)	ND	ug/L	50.0	10	09/25/13 13:09	09/26/13 16:16	11104-28-2	
PCB-1232 (Aroclor 1232)	ND	ug/L	50.0	10	09/25/13 13:09	09/26/13 16:16	11141-16-5	
PCB-1242 (Aroclor 1242)	ND	ug/L	50.0	10	09/25/13 13:09	09/26/13 16:16	53469-21-9	
PCB-1248 (Aroclor 1248)	ND	ug/L	50.0	10	09/25/13 13:09	09/26/13 16:16	12672-29-6	
PCB-1254 (Aroclor 1254)	ND	ug/L	50.0	10	09/25/13 13:09	09/26/13 16:16	11097-69-1	
PCB-1260 (Aroclor 1260)	ND	ug/L	50.0	10	09/25/13 13:09	09/26/13 16:16	11096-82-5	
Surrogates								
Tetrachloro-m-xylene (S)	0	%.	32-115	10	09/25/13 13:09	09/26/13 16:16	877-09-8	S4

REPORT OF LABORATORY ANALYSIS

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Columbus, OH 43215
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Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: MSV/57825
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV 5030 Low
Associated Lab Samples: 5087078009

METHOD BLANK: 990467
Matrix: Solid
Associated Lab Samples: 5087078009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	ND	0.0050	10/03/13 17:46	
1,1,1-Trichloroethane	mg/kg	ND	0.0050	10/03/13 17:46	
1,1,2,2-Tetrachloroethane	mg/kg	ND	0.0050	10/03/13 17:46	
1,1,2-Trichloroethane	mg/kg	ND	0.0050	10/03/13 17:46	
1,1-Dichloroethane	mg/kg	ND	0.0050	10/03/13 17:46	
1,1-Dichloroethene	mg/kg	ND	0.0050	10/03/13 17:46	
1,1-Dichloropropene	mg/kg	ND	0.0050	10/03/13 17:46	
1,2,3-Trichlorobenzene	mg/kg	ND	0.0050	10/03/13 17:46	
1,2,3-Trichloropropane	mg/kg	ND	0.0050	10/03/13 17:46	
1,2,4-Trichlorobenzene	mg/kg	ND	0.0050	10/03/13 17:46	
1,2,4-Trimethylbenzene	mg/kg	ND	0.0050	10/03/13 17:46	
1,2-Dibromoethane (EDB)	mg/kg	ND	0.0050	10/03/13 17:46	
1,2-Dichlorobenzene	mg/kg	ND	0.0050	10/03/13 17:46	
1,2-Dichloroethane	mg/kg	ND	0.0050	10/03/13 17:46	
1,2-Dichloropropane	mg/kg	ND	0.0050	10/03/13 17:46	
1,3,5-Trimethylbenzene	mg/kg	ND	0.0050	10/03/13 17:46	
1,3-Dichlorobenzene	mg/kg	ND	0.0050	10/03/13 17:46	
1,3-Dichloropropane	mg/kg	ND	0.0050	10/03/13 17:46	
1,4-Dichlorobenzene	mg/kg	ND	0.0050	10/03/13 17:46	
2,2-Dichloropropane	mg/kg	ND	0.0050	10/03/13 17:46	
2-Butanone (MEK)	mg/kg	ND	0.025	10/03/13 17:46	
2-Chlorotoluene	mg/kg	ND	0.0050	10/03/13 17:46	
2-Hexanone	mg/kg	ND	0.10	10/03/13 17:46	
4-Chlorotoluene	mg/kg	ND	0.0050	10/03/13 17:46	
4-Methyl-2-pentanone (MIBK)	mg/kg	ND	0.025	10/03/13 17:46	
Acetone	mg/kg	ND	0.10	10/03/13 17:46	
Acrolein	mg/kg	ND	0.10	10/03/13 17:46	
Acrylonitrile	mg/kg	ND	0.10	10/03/13 17:46	
Benzene	mg/kg	ND	0.0050	10/03/13 17:46	
Bromobenzene	mg/kg	ND	0.0050	10/03/13 17:46	
Bromochloromethane	mg/kg	ND	0.0050	10/03/13 17:46	
Bromodichloromethane	mg/kg	ND	0.0050	10/03/13 17:46	
Bromoform	mg/kg	ND	0.0050	10/03/13 17:46	
Bromomethane	mg/kg	ND	0.0050	10/03/13 17:46	
Carbon disulfide	mg/kg	ND	0.010	10/03/13 17:46	
Carbon tetrachloride	mg/kg	ND	0.0050	10/03/13 17:46	
Chlorobenzene	mg/kg	ND	0.0050	10/03/13 17:46	
Chloroethane	mg/kg	ND	0.0050	10/03/13 17:46	
Chloroform	mg/kg	ND	0.0050	10/03/13 17:46	
Chloromethane	mg/kg	ND	0.0050	10/03/13 17:46	
cis-1,2-Dichloroethene	mg/kg	ND	0.0050	10/03/13 17:46	
cis-1,3-Dichloropropene	mg/kg	ND	0.0050	10/03/13 17:46	
Dibromochloromethane	mg/kg	ND	0.0050	10/03/13 17:46	

REPORT OF LABORATORY ANALYSIS

Pace Analytical
www.pacelabs.com

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

METHOD BLANK: 990467 Matrix: Solid

Associated Lab Samples: 5087078009

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Dibromomethane	mg/kg	ND	0.0050	10/03/13 17:46	
Dichlorodifluoromethane	mg/kg	ND	0.0050	10/03/13 17:46	
Ethyl methacrylate	mg/kg	ND	0.10	10/03/13 17:46	
Ethylbenzene	mg/kg	ND	0.0050	10/03/13 17:46	
Hexachloro-1,3-butadiene	mg/kg	ND	0.0050	10/03/13 17:46	
Iodomethane	mg/kg	ND	0.10	10/03/13 17:46	
Isopropylbenzene (Cumene)	mg/kg	ND	0.0050	10/03/13 17:46	
Methyl-tert-butyl ether	mg/kg	ND	0.0050	10/03/13 17:46	
Methylene Chloride	mg/kg	ND	0.020	10/03/13 17:46	
n-Butylbenzene	mg/kg	ND	0.0050	10/03/13 17:46	
n-Hexane	mg/kg	ND	0.0050	10/03/13 17:46	N2
n-Propylbenzene	mg/kg	ND	0.0050	10/03/13 17:46	
Naphthalene	mg/kg	ND	0.0050	10/03/13 17:46	
p-Isopropyltoluene	mg/kg	ND	0.0050	10/03/13 17:46	
sec-Butylbenzene	mg/kg	ND	0.0050	10/03/13 17:46	
Styrene	mg/kg	ND	0.0050	10/03/13 17:46	
tert-Butylbenzene	mg/kg	ND	0.0050	10/03/13 17:46	
Tetrachloroethene	mg/kg	ND	0.0050	10/03/13 17:46	
Toluene	mg/kg	ND	0.0050	10/03/13 17:46	
trans-1,2-Dichloroethene	mg/kg	ND	0.0050	10/03/13 17:46	
trans-1,3-Dichloropropene	mg/kg	ND	0.0050	10/03/13 17:46	
trans-1,4-Dichloro-2-butene	mg/kg	ND	0.10	10/03/13 17:46	
Trichloroethene	mg/kg	ND	0.0050	10/03/13 17:46	
Trichlorofluoromethane	mg/kg	ND	0.0050	10/03/13 17:46	
Vinyl acetate	mg/kg	ND	0.10	10/03/13 17:46	
Vinyl chloride	mg/kg	ND	0.0050	10/03/13 17:46	
Xylene (Total)	mg/kg	ND	0.010	10/03/13 17:46	
4-Bromofluorobenzene (S)	%.	99	56-144	10/03/13 17:46	
Dibromofluoromethane (S)	%.	97	85-118	10/03/13 17:46	
Toluene-d8 (S)	%.	94	71-128	10/03/13 17:46	

LABORATORY CONTROL SAMPLE: 990468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,1,1,2-Tetrachloroethane	mg/kg	.05	0.044	88	62-123	
1,1,1-Trichloroethane	mg/kg	.05	0.039	78	70-123	
1,1,2,2-Tetrachloroethane	mg/kg	.05	0.043	86	65-124	
1,1,2-Trichloroethane	mg/kg	.05	0.045	90	74-129	
1,1-Dichloroethane	mg/kg	.05	0.038	76	73-130	
1,1-Dichloroethene	mg/kg	.05	0.038	76	66-126	
1,1-Dichloropropene	mg/kg	.05	0.045	90	78-125	
1,2,3-Trichlorobenzene	mg/kg	.05	0.044	87	66-131	
1,2,3-Trichloropropane	mg/kg	.05	0.047	95	44-157	
1,2,4-Trichlorobenzene	mg/kg	.05	0.042	84	68-129	
1,2,4-Trimethylbenzene	mg/kg	.05	0.042	84	67-126	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

LABORATORY CONTROL SAMPLE: 990468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1,2-Dibromoethane (EDB)	mg/kg	.05	0.045	90	74-120	
1,2-Dichlorobenzene	mg/kg	.05	0.043	87	73-122	
1,2-Dichloroethane	mg/kg	.05	0.045	90	73-127	
1,2-Dichloropropane	mg/kg	.05	0.044	88	75-118	
1,3,5-Trimethylbenzene	mg/kg	.05	0.043	86	65-127	
1,3-Dichlorobenzene	mg/kg	.05	0.042	84	73-121	
1,3-Dichloropropane	mg/kg	.05	0.046	91	72-121	
1,4-Dichlorobenzene	mg/kg	.05	0.042	84	75-119	
2,2-Dichloropropane	mg/kg	.05	0.038	76	63-122	
2-Butanone (MEK)	mg/kg	.25	0.23	90	59-139	
2-Chlorotoluene	mg/kg	.05	0.044	87	72-121	
2-Hexanone	mg/kg	.25	0.26	104	56-139	
4-Chlorotoluene	mg/kg	.05	0.044	89	75-123	
4-Methyl-2-pentanone (MIBK)	mg/kg	.25	0.25	101	63-136	
Acetone	mg/kg	.25	0.23	91	46-156	
Acrolein	mg/kg	1	1.6	160	47-200	
Acrylonitrile	mg/kg	1	1.0	103	67-130	
Benzene	mg/kg	.05	0.042	85	74-119	
Bromobenzene	mg/kg	.05	0.041	83	69-129	
Bromochloromethane	mg/kg	.05	0.043	86	67-129	
Bromodichloromethane	mg/kg	.05	0.040	80	68-121	
Bromoform	mg/kg	.05	0.041	82	49-124	
Bromomethane	mg/kg	.05	0.057	113	44-142	
Carbon disulfide	mg/kg	.1	0.078	78	61-129	
Carbon tetrachloride	mg/kg	.05	0.041	83	58-127	
Chlorobenzene	mg/kg	.05	0.045	90	77-122	
Chloroethane	mg/kg	.05	0.068	135	59-141	
Chloroform	mg/kg	.05	0.037	74	75-124	L0
Chloromethane	mg/kg	.05	0.042	84	46-133	
cis-1,2-Dichloroethene	mg/kg	.05	0.042	85	72-122	
cis-1,3-Dichloropropene	mg/kg	.05	0.042	84	68-115	
Dibromochloromethane	mg/kg	.05	0.043	86	60-121	
Dibromomethane	mg/kg	.05	0.045	89	72-124	
Dichlorodifluoromethane	mg/kg	.05	0.068	136	26-186	
Ethyl methacrylate	mg/kg	.2	0.18	92	63-130	
Ethylbenzene	mg/kg	.05	0.044	88	72-123	
Hexachloro-1,3-butadiene	mg/kg	.05	0.041	83	55-139	
Iodomethane	mg/kg	.1	.068J	68	38-149	
Isopropylbenzene (Cumene)	mg/kg	.05	0.045	90	65-123	
Methyl-tert-butyl ether	mg/kg	.1	0.092	92	68-120	
Methylene Chloride	mg/kg	.05	0.029	58	57-142	
n-Butylbenzene	mg/kg	.05	0.041	83	68-125	
n-Hexane	mg/kg	.05	0.037	74	57-117	N2
n-Propylbenzene	mg/kg	.05	0.040	81	68-122	
Naphthalene	mg/kg	.05	0.046	93	67-131	
p-Isopropyltoluene	mg/kg	.05	0.043	86	66-133	
sec-Butylbenzene	mg/kg	.05	0.042	83	64-131	
Styrene	mg/kg	.05	0.045	91	70-126	

REPORT OF LABORATORY ANALYSIS

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(614)486-5421

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7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

LABORATORY CONTROL SAMPLE: 990468

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
tert-Butylbenzene	mg/kg	.05	0.032	64	46-124	
Tetrachloroethene	mg/kg	.05	0.039	79	72-126	
Toluene	mg/kg	.05	0.038	76	71-121	
trans-1,2-Dichloroethene	mg/kg	.05	0.044	88	69-123	
trans-1,3-Dichloropropene	mg/kg	.05	0.042	84	66-114	
trans-1,4-Dichloro-2-butene	mg/kg	.2	0.19	93	61-124	
Trichloroethene	mg/kg	.05	0.043	86	74-123	
Trichlorofluoromethane	mg/kg	.05	0.055	110	72-146	
Vinyl acetate	mg/kg	.2	0.24	121	57-131	
Vinyl chloride	mg/kg	.05	0.051	101	55-128	
Xylene (Total)	mg/kg	.15	0.13	90	66-124	
4-Bromofluorobenzene (S)	%.			97	56-144	
Dibromofluoromethane (S)	%.			98	85-118	
Toluene-d8 (S)	%.			99	71-128	

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7726 Moller Road
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(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: MSV/57824
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST Low Level
Associated Lab Samples: 5087078002, 5087078003

METHOD BLANK: 990463 Matrix: Solid
Associated Lab Samples: 5087078002, 5087078003

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/kg	ND	5.0	10/02/13 18:12	
Ethylbenzene	ug/kg	ND	5.0	10/02/13 18:12	
Toluene	ug/kg	ND	5.0	10/02/13 18:12	
Xylene (Total)	ug/kg	ND	10.0	10/02/13 18:12	
4-Bromofluorobenzene (S)	%.	100	56-144	10/02/13 18:12	
Dibromofluoromethane (S)	%.	101	85-118	10/02/13 18:12	
Toluene-d8 (S)	%.	95	71-128	10/02/13 18:12	

LABORATORY CONTROL SAMPLE: 990464

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/kg	50	42.5	85	74-119	
Ethylbenzene	ug/kg	50	44.8	90	72-123	
Toluene	ug/kg	50	38.3	77	71-121	
Xylene (Total)	ug/kg	150	136	91	66-124	
4-Bromofluorobenzene (S)	%.			98	56-144	
Dibromofluoromethane (S)	%.			99	85-118	
Toluene-d8 (S)	%.			100	71-128	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 990465 990466

Parameter	Units	5087153004 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/kg	ND	54.2	54.2	48.2	48.5	89	89	27-140	1	20	
Ethylbenzene	ug/kg	ND	54.2	54.2	54.1	52.1	100	96	10-144	4	20	
Toluene	ug/kg	ND	54.2	54.2	45.6	45.4	84	84	10-140	1	20	
Xylene (Total)	ug/kg	ND	163	163	162	154	99	95	10-143	5	20	
4-Bromofluorobenzene (S)	%.						92	92	56-144		20	
Dibromofluoromethane (S)	%.						96	97	85-118		20	
Toluene-d8 (S)	%.						103	101	71-128		20	

REPORT OF LABORATORY ANALYSIS

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(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: MSV/57880
QC Batch Method: EPA 8260
Analysis Method: EPA 8260
Analysis Description: 8260 MSV UST-WATER
Associated Lab Samples: 5087078004

METHOD BLANK: 991324 Matrix: Water
Associated Lab Samples: 5087078004

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
Benzene	ug/L	ND	5.0	10/03/13 18:05	
Ethylbenzene	ug/L	ND	5.0	10/03/13 18:05	
Toluene	ug/L	ND	5.0	10/03/13 18:05	
Xylene (Total)	ug/L	ND	10.0	10/03/13 18:05	
4-Bromofluorobenzene (S)	%.	104	80-114	10/03/13 18:05	
Dibromofluoromethane (S)	%.	97	79-116	10/03/13 18:05	
Toluene-d8 (S)	%.	94	81-110	10/03/13 18:05	

LABORATORY CONTROL SAMPLE: 991325

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Benzene	ug/L	50	44.2	88	74-122	
Ethylbenzene	ug/L	50	43.7	87	66-133	
Toluene	ug/L	50	43.6	87	72-122	
Xylene (Total)	ug/L	150	131	87	70-124	
4-Bromofluorobenzene (S)	%.			95	80-114	
Dibromofluoromethane (S)	%.			94	79-116	
Toluene-d8 (S)	%.			104	81-110	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 991326 991327

Parameter	Units	5087151001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
Benzene	ug/L	ND	50	50	48.2	48.1	96	96	62-129	0	20	
Ethylbenzene	ug/L	ND	50	50	46.6	46.9	93	94	28-153	1	20	
Toluene	ug/L	ND	50	50	46.2	46.5	92	93	50-132	1	20	
Xylene (Total)	ug/L	ND	150	150	137	137	91	91	29-145	0	20	
4-Bromofluorobenzene (S)	%.						94	96	80-114			
Dibromofluoromethane (S)	%.						95	98	79-116			
Toluene-d8 (S)	%.						104	104	81-110			

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: OEXT/33934
QC Batch Method: EPA 3580
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB Oil
Associated Lab Samples: 5087078005

METHOD BLANK: 984202
Matrix: Non Aqueous Liquid
Associated Lab Samples: 5087078005

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	5.0	09/25/13 12:33	N2
PCB-1221 (Aroclor 1221)	mg/kg	ND	5.0	09/25/13 12:33	N2
PCB-1232 (Aroclor 1232)	mg/kg	ND	5.0	09/25/13 12:33	N2
PCB-1242 (Aroclor 1242)	mg/kg	ND	5.0	09/25/13 12:33	N2
PCB-1248 (Aroclor 1248)	mg/kg	ND	5.0	09/25/13 12:33	N2
PCB-1254 (Aroclor 1254)	mg/kg	ND	5.0	09/25/13 12:33	N2
PCB-1260 (Aroclor 1260)	mg/kg	ND	5.0	09/25/13 12:33	N2
Tetrachloro-m-xylene (S)	%.	63	48-127	09/25/13 12:33	

LABORATORY CONTROL SAMPLE: 984203

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	5	ND	82	43-144	N2
PCB-1260 (Aroclor 1260)	mg/kg	5	ND	69	48-140	N2
Tetrachloro-m-xylene (S)	%.			65	48-127	

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
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(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: OEXT/33932 Analysis Method: EPA 8082
QC Batch Method: EPA 3546 Analysis Description: 8082 GCS PCB
Associated Lab Samples: 5087078001, 5087078007, 5087078008, 5087078009, 5087078010, 5087078011, 5087078012, 5087078013, 5087078014

METHOD BLANK: 984150 Matrix: Solid
Associated Lab Samples: 5087078001, 5087078007, 5087078008, 5087078009, 5087078010, 5087078011, 5087078012, 5087078013, 5087078014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	ND	0.10	09/25/13 13:14	
PCB-1221 (Aroclor 1221)	mg/kg	ND	0.10	09/25/13 13:14	
PCB-1232 (Aroclor 1232)	mg/kg	ND	0.10	09/25/13 13:14	
PCB-1242 (Aroclor 1242)	mg/kg	ND	0.10	09/25/13 13:14	
PCB-1248 (Aroclor 1248)	mg/kg	ND	0.10	09/25/13 13:14	
PCB-1254 (Aroclor 1254)	mg/kg	ND	0.10	09/25/13 13:14	
PCB-1260 (Aroclor 1260)	mg/kg	ND	0.10	09/25/13 13:14	
Tetrachloro-m-xylene (S)	%.	82	30-106	09/25/13 13:14	

LABORATORY CONTROL SAMPLE: 984151

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	mg/kg	.17	0.14	82	42-100	
PCB-1260 (Aroclor 1260)	mg/kg	.17	0.13	78	40-106	
Tetrachloro-m-xylene (S)	%.			81	30-106	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 984152 984153

Parameter	Units	5087078012 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	mg/kg	ND	.17	.17	ND	ND	0	0	10-145		20	M6
PCB-1260 (Aroclor 1260)	mg/kg	ND	.17	.17	ND	ND	0	0	16-132		20	M6
Tetrachloro-m-xylene (S)	%.						0	0	30-106		20	D3,S4

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Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: OEXT/33962
QC Batch Method: EPA 3510
Analysis Method: EPA 8082
Analysis Description: 8082 GCS PCB Mod
Associated Lab Samples: 5087078015

METHOD BLANK: 985920 Matrix: Water
Associated Lab Samples: 5087078015

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	ND	0.50	09/26/13 16:04	
PCB-1221 (Aroclor 1221)	ug/L	ND	0.50	09/26/13 16:04	
PCB-1232 (Aroclor 1232)	ug/L	ND	0.50	09/26/13 16:04	
PCB-1242 (Aroclor 1242)	ug/L	ND	0.50	09/26/13 16:04	
PCB-1248 (Aroclor 1248)	ug/L	ND	0.50	09/26/13 16:04	
PCB-1254 (Aroclor 1254)	ug/L	ND	0.50	09/26/13 16:04	
PCB-1260 (Aroclor 1260)	ug/L	ND	0.50	09/26/13 16:04	
Tetrachloro-m-xylene (S)	%.	87	32-115	09/26/13 16:04	

LABORATORY CONTROL SAMPLE: 985921

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
PCB-1016 (Aroclor 1016)	ug/L	5	4.1	82	50-114	
PCB-1260 (Aroclor 1260)	ug/L	5	3.8	75	44-120	
Tetrachloro-m-xylene (S)	%.			80	32-115	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 985922 985923

Parameter	Units	5087120007 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
PCB-1016 (Aroclor 1016)	ug/L	ND	10.4	10.4	8.9	5.9	86	57	41-124	40	20	R1
PCB-1260 (Aroclor 1260)	ug/L	ND	10.4	10.4	7.2	4.7	70	45	34-127	44	20	R1
Tetrachloro-m-xylene (S)	%.						84	57	32-115		20	R1

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(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: OEXT/33931 Analysis Method: EPA 8270 by SIM
QC Batch Method: EPA 3546 Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 5087078001, 5087078007, 5087078008, 5087078009, 5087078010, 5087078011, 5087078012, 5087078013, 5087078014

METHOD BLANK: 984146 Matrix: Solid
Associated Lab Samples: 5087078001, 5087078007, 5087078008, 5087078009, 5087078010, 5087078011, 5087078012, 5087078013, 5087078014

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	09/23/13 23:23	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	09/23/13 23:23	
Acenaphthene	mg/kg	ND	0.0050	09/23/13 23:23	
Acenaphthylene	mg/kg	ND	0.0050	09/23/13 23:23	
Anthracene	mg/kg	ND	0.0050	09/23/13 23:23	
Benzo(a)anthracene	mg/kg	ND	0.0050	09/23/13 23:23	
Benzo(a)pyrene	mg/kg	ND	0.0050	09/23/13 23:23	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	09/23/13 23:23	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	09/23/13 23:23	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	09/23/13 23:23	
Chrysene	mg/kg	ND	0.0050	09/23/13 23:23	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	09/23/13 23:23	
Fluoranthene	mg/kg	ND	0.0050	09/23/13 23:23	
Fluorene	mg/kg	ND	0.0050	09/23/13 23:23	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	09/23/13 23:23	
Naphthalene	mg/kg	ND	0.0050	09/23/13 23:23	
Phenanthrene	mg/kg	ND	0.0050	09/23/13 23:23	
Pyrene	mg/kg	ND	0.0050	09/23/13 23:23	
2-Fluorobiphenyl (S)	%.	58	38-110	09/23/13 23:23	
p-Terphenyl-d14 (S)	%.	60	32-111	09/23/13 23:23	

LABORATORY CONTROL SAMPLE: 984147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
1-Methylnaphthalene	mg/kg	.33	0.21	63	40-102	N2
2-Methylnaphthalene	mg/kg	.33	0.19	58	39-104	
Acenaphthene	mg/kg	.33	0.21	64	43-108	
Acenaphthylene	mg/kg	.33	0.22	65	44-110	
Anthracene	mg/kg	.33	0.22	66	44-112	
Benzo(a)anthracene	mg/kg	.33	0.24	71	43-124	
Benzo(a)pyrene	mg/kg	.33	0.24	73	44-124	
Benzo(b)fluoranthene	mg/kg	.33	0.23	70	44-123	
Benzo(g,h,i)perylene	mg/kg	.33	0.23	69	44-118	
Benzo(k)fluoranthene	mg/kg	.33	0.24	72	42-122	
Chrysene	mg/kg	.33	0.23	70	44-124	
Dibenz(a,h)anthracene	mg/kg	.33	0.23	68	44-119	
Fluoranthene	mg/kg	.33	0.23	69	45-119	
Fluorene	mg/kg	.33	0.22	66	44-113	
Indeno(1,2,3-cd)pyrene	mg/kg	.33	0.23	68	44-119	
Naphthalene	mg/kg	.33	0.20	59	42-103	

REPORT OF LABORATORY ANALYSIS

Pace Analytical Services, Inc.
1233 Dublin Road
Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

LABORATORY CONTROL SAMPLE: 984147

Parameter	Units	Spike Conc.	LCS Result	LCS % Rec	% Rec Limits	Qualifiers
Phenanthrene	mg/kg	.33	0.22	65	44-113	
Pyrene	mg/kg	.33	0.23	68	45-123	
2-Fluorobiphenyl (S)	%.			64	38-110	
p-Terphenyl-d14 (S)	%.			68	32-111	

MATRIX SPIKE & MATRIX SPIKE DUPLICATE: 984148 984149

Parameter	Units	5087122001 Result	MS Spike Conc.	MSD Spike Conc.	MS Result	MSD Result	MS % Rec	MSD % Rec	% Rec Limits	RPD	Max RPD	Qual
1-Methylnaphthalene	mg/kg	359 ug/kg	.43	.43	0.67	0.46	72	24	20-116	36	20	N2,R1
2-Methylnaphthalene	mg/kg	660 ug/kg	.43	.43	0.97	0.63	73	-7	10-131	43	20	M0,R1
Acenaphthene	mg/kg	ND	.43	.43	0.26	0.24	60	54	25-117	11	20	
Acenaphthylene	mg/kg	ND	.43	.43	0.28	0.25	64	58	27-123	9	20	
Anthracene	mg/kg	ND	.43	.43	0.26	0.24	61	54	20-123	10	20	
Benzo(a)anthracene	mg/kg	ND	.43	.43	0.25	0.23	58	53	23-124	8	20	
Benzo(a)pyrene	mg/kg	ND	.43	.43	0.24	0.22	56	51	23-120	8	20	
Benzo(b)fluoranthene	mg/kg	ND	.43	.43	0.23	0.20	53	47	24-117	10	20	
Benzo(g,h,i)perylene	mg/kg	ND	.43	.43	0.21	0.19	48	43	12-122	9	20	
Benzo(k)fluoranthene	mg/kg	ND	.43	.43	0.22	0.21	52	49	14-123	6	20	
Chrysene	mg/kg	ND	.43	.43	0.25	0.23	58	53	22-124	8	20	
Dibenz(a,h)anthracene	mg/kg	ND	.43	.43	0.23	0.22	54	51	26-113	4	20	
Fluoranthene	mg/kg	ND	.43	.43	0.26	0.23	60	53	21-125	11	20	
Fluorene	mg/kg	ND	.43	.43	0.27	0.25	62	56	19-127	8	20	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	.43	.43	0.21	0.20	50	45	15-121	7	20	
Naphthalene	mg/kg	891 ug/kg	.43	.43	1.3	0.86	97	-8	15-125	41	20	M0,R1
Phenanthrene	mg/kg	8.7 ug/kg	.43	.43	0.26	0.23	59	52	10-139	11	20	
Pyrene	mg/kg	ND	.43	.43	0.25	0.23	58	52	17-132	10	20	
2-Fluorobiphenyl (S)	%.						61	53	38-110		20	
p-Terphenyl-d14 (S)	%.						58	54	32-111		20	

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Columbus, OH 43215
(614)486-5421

Pace Analytical Services, Inc.
7726 Moller Road
Indianapolis, IN 46268
(317)875-5894

QUALITY CONTROL DATA

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

QC Batch: OEXT/33938
QC Batch Method: EPA 3546
Analysis Method: EPA 8270 by SIM
Analysis Description: 8270 MSSV PAH by SIM
Associated Lab Samples: 5087078006

METHOD BLANK: 984467
Matrix: Solid
Associated Lab Samples: 5087078006

Parameter	Units	Blank Result	Reporting Limit	Analyzed	Qualifiers
1-Methylnaphthalene	mg/kg	ND	0.0050	09/24/13 15:23	N2
2-Methylnaphthalene	mg/kg	ND	0.0050	09/24/13 15:23	
Acenaphthene	mg/kg	ND	0.0050	09/24/13 15:23	
Acenaphthylene	mg/kg	ND	0.0050	09/24/13 15:23	
Anthracene	mg/kg	ND	0.0050	09/24/13 15:23	
Benzo(a)anthracene	mg/kg	ND	0.0050	09/24/13 15:23	
Benzo(a)pyrene	mg/kg	ND	0.0050	09/24/13 15:23	
Benzo(b)fluoranthene	mg/kg	ND	0.0050	09/24/13 15:23	
Benzo(g,h,i)perylene	mg/kg	ND	0.0050	09/24/13 15:23	
Benzo(k)fluoranthene	mg/kg	ND	0.0050	09/24/13 15:23	
Chrysene	mg/kg	ND	0.0050	09/24/13 15:23	
Dibenz(a,h)anthracene	mg/kg	ND	0.0050	09/24/13 15:23	
Fluoranthene	mg/kg	ND	0.0050	09/24/13 15:23	
Fluorene	mg/kg	ND	0.0050	09/24/13 15:23	
Indeno(1,2,3-cd)pyrene	mg/kg	ND	0.0050	09/24/13 15:23	
Naphthalene	mg/kg	ND	0.0050	09/24/13 15:23	
Phenanthrene	mg/kg	ND	0.0050	09/24/13 15:23	
Pyrene	mg/kg	ND	0.0050	09/24/13 15:23	

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1233 Dublin Road
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(614)486-5421

Pace Analytical Services, Inc.
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Indianapolis, IN 46268
(317)875-5894

QUALIFIERS

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

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.

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

TNI - The NELAC Institute.

LABORATORIES

PASI-I	Pace Analytical Services - Indianapolis

ANALYTE QUALIFIERS

1d	Benzene ND at an estimated RL 34ug/kg, based on the MDL. aa 10/4/13
2d	Due to the extract's physical characteristics, the analysis was performed at dilution. CEM 09/25/13
3d	Due to the physical characteristics of the sample a lower dilution was not analyzed. aa 10/4/13
4d	Sample analyzed was a pure product, and was directly injected on the instrument. CEM 09/25/13
5d	Sample was in a 4oz jar. Sample had a pH above 2. aa 10/4/13
D3	Sample was diluted due to the presence of high levels of non-target analytes or other matrix interference.
D4	Sample was diluted due to the presence of high levels of target analytes.
E	Analyte concentration exceeded the calibration range. The reported result is estimated.
L0	Analyte recovery in the laboratory control sample (LCS) was outside QC limits.
M0	Matrix spike recovery and/or matrix spike duplicate recovery was outside laboratory control limits.
M6	Matrix spike and Matrix spike duplicate recovery not evaluated against control limits due to sample dilution.
N2	The lab does not hold TNI accreditation for this parameter.
R1	RPD value was outside control limits.
S4	Surrogate recovery not evaluated against control limits due to sample dilution.
S5	Surrogate recovery outside control limits due to matrix interferences (not confirmed by re-analysis).

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1233 Dublin Road
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(317)875-5894

QUALITY CONTROL DATA CROSS REFERENCE TABLE

Project: HK Porter / 068260.00.002
Pace Project No.: 5087078

Lab ID	Sample ID	QC Batch Method	QC Batch	Analytical Method	Analytical Batch
5087078005	**TS5**	EPA 3580	OEXT/33934	EPA 8082	GCSV/11494
5087078001	**TS1**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078007	**PS1**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078008	**PS2**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078009	**PS3**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078010	**PS4**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078011	**PS5**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078012	**PS6**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078013	**PS7**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078014	**PS9**	EPA 3546	OEXT/33932	EPA 8082	GCSV/11493
5087078015	**PS8**	EPA 3510	OEXT/33962	EPA 8082	GCSV/11502
5087078001	**TS1**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078006	**TS5 (PAH)**	EPA 3546	OEXT/33938	EPA 8270 by SIM	MSSV/13516
5087078007	**PS1**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078008	**PS2**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078009	**PS3**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078010	**PS4**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078011	**PS5**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078012	**PS6**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078013	**PS7**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078014	**PS9**	EPA 3546	OEXT/33931	EPA 8270 by SIM	MSSV/13513
5087078009	**PS3**	EPA 8260	MSV/57825		
5087078002	**TS2**	EPA 8260	MSV/57824		
5087078003	**TS3**	EPA 8260	MSV/57824		
5087078004	**TS4**	EPA 8260	MSV/57880		

REPORT OF LABORATORY ANALYSIS

CHAIN-OF-CUSTODY / Analytical Request Document

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

Page: 1 of 2

1754806

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SME	Report To: Mike Meddock	Attention:
Address: 5847 W. 74th St	Copy To:	Company Name:
		Address:
Email To: welsh@sme-usa.com	Purchase Order No.:	Pace Quote Reference:
Phone: 317 760 0200 Fax: 317 760 0300	Project Name: HK Porter	Pace Project Manager:
Requested Due Date/TAT:	Project Number: 068760.00.007	Pace Profile #:

REGULATORY AGENCY

☐ NPDES ☐ GROUND WATER ☐ DRINKING WATER

☐ UST ☐ RCRA ☐ OTHER _____

Site Location STATE: IN

Section D Required Client Information

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Matrix Codes (MATRIX / CODE): Drinking Water DW; Water WT; Waste Water WW; Product P; Soil/Solid SL; Oil OL; Wipe WP; Air AR; Tissue TS; Other OT

Requested Analysis Filtered (Y/N)

5087028

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED: COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Preservatives: Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	VOCs	PCBs	PAHs	BTEX	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	TS1	SL	G			9/19/13	1112			1										X	X			-001
2	TS2	SL					1212															X		Bonfire tanks -002
3	TS3	SL					1102															X		-003
4	TS4	P					1020															X		Bonfire tank -004
5	TS5	OL					1130														X	X		-005 / -006
6	FS1	SL					1124														X	X		-007
7	PS2	SL					1120														X	X		-008
8	PS3	SL					1107														X	X		-009
9	PS4	SL					1140															X		-010
10	PS5	SL					1145															X		-011
11	PS6	SL					1150															X		-012
12	PS7	SL	↓			↓	1222			↓												X		-013

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
All of the TS samples may have very high concentrations	Laura Welsh / SME	9/20/13	0821	Kacky Eck / Pace	9/20/13	0804	5.7	Y	N	Y

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER:

SIGNATURE of SAMPLER: DATE Signed (MM/DD/YY):

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

ORIGINAL

WF / Client

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

CHAIN-OF-CUSTODY / Analytical Request Document

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

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Page: 2 of 2

1754807

Section A Required Client Information:	Section B Required Project Information:	Section C Invoice Information:
Company: SME	Report To: Mike Meddock	Attention:
Address: 5847 W 74th St	Copy To:	Company Name:
		Address:
Email To: welsh@sme-usa.com	Purchase Order No.:	Pace Quote Reference:
Phone: 3178760200 Fax: 3178760300	Project Name: HK Porter	Pace Project Manager:
Requested Due Date/TAT: normal	Project Number: 0682260.00.002	Pace Profile #:

REGULATORY AGENCY

- NPDES
- GROUND WATER
- DRINKING WATER
- UST
- RCRA
- OTHER

Site Location STATE: IN

Section D Required Client Information

Matrix Codes MATRIX / CODE: Drinking Water DW, Water WT, Waste Water WW, Product P, Soil/Solid SL, Oil OL, Wipe WP, Air AR, Tissue TS, Other OT

SAMPLE ID (A-Z, 0-9 / ,-) Sample IDs MUST BE UNIQUE

Requested Analysis Filtered (Y/N)

ITEM #	SAMPLE ID	MATRIX CODE (see valid codes to left)	SAMPLE TYPE (G=GRAB C=COMP)	COLLECTED COMPOSITE START DATE	COMPOSITE START TIME	COMPOSITE END/GRAB DATE	COMPOSITE END/GRAB TIME	SAMPLE TEMP AT COLLECTION	# OF CONTAINERS	Unpreserved	H_2SO_4	HNO_3	HCl	NaOH	$Na_2S_2O_3$	Methanol	Other	Analysis Test Y/N	PCBs	PAHs	Residual Chlorine (Y/N)	Pace Project No./ Lab I.D.
1	PS8	SL	G			9/19/13	1228			1									X	X		PCBs only water -014
2	PS9	SL	G			9/19/13	1157			1									X	X		-015
3																						
4																						
5																						
6																						
7																						
8																						
9																						
10																						
11																						
12																						

ADDITIONAL COMMENTS	RELINQUISHED BY / AFFILIATION	DATE	TIME	ACCEPTED BY / AFFILIATION	DATE	TIME	SAMPLE CONDITIONS			
	Laura Welsh / SME	9/20/13	0804	Katy Eck / Pace	9/20/13	0804	5.7	Y	N	Y

w/ Client

ORIGINAL

SAMPLER NAME AND SIGNATURE

PRINT Name of SAMPLER: Laura Welsh

SIGNATURE of SAMPLER: Laura Welsh

DATE Signed (MM/DD/YY): 09/20/13

Temp in °C | Received on Ice (Y/N) | Custody Sealed Cooler (Y/N) | Samples Intact (Y/N)

*Important Note: By signing this form you are accepting Pace's NET 30 day payment terms and agreeing to late charges of 1.5% per month for any invoices not paid within 30 days.

F-ALL-Q-020rev.07, 15-May-2007

Sample Condition Upon Receipt

Pace Analytical™ Client Name: SME Project # SD87078

Courier: ☐ Fed Ex ☐ UPS ☐ USPS ☐ Client (circled) ☐ Commercial ☐ Pace Other ______ ______

Tracking #: ______

Custody Seal on Cooler/Box Present: ☐ yes ☐ no (circled) Seals intact: ☐ yes ☐ no

Date/Time 5035A kits placed in freezer ______

Packing Material: ☐ Bubble Wrap ☐ Bubble Bags ☐ None ☐ Other (circled) Ice

Thermometer Used 1 2 3 4 6 A B C D E (2 circled) Type of Ice: Wet (circled) Blue None ☐ Samples on ice, cooling process has begun

Cooler Temperature (Corrected, if applicable) 5.7°C Ice Visible in Sample Containers: ☐ yes ☐ no (circled)

Temp should be above freezing to 6°C

Date and Initials of person examining contents: 9/20/13 KD

				Comments:
Chain of Custody Present:	☐Yes (circled)	☐No	☐N/A	1.
Chain of Custody Filled Out:	☐Yes (circled)	☐No	☐N/A	2.
Chain of Custody Relinquished:	☐Yes (circled)	☐No	☐N/A	3.
Sampler Name & Signature on COC:	☐Yes	☐No (circled)	☐N/A	4.
Short Hold Time Analysis (<72hr):	☐Yes	☐No (circled)	☐N/A	5.
Rush Turn Around Time Requested:	☐Yes	☐No (circled)	☐N/A	6.
Containers Intact:	☐Yes (circled)	☐No	☐N/A	7.
Sample Labels match COC: -Includes date/time/ID/Analysis	☐Yes (circled)	☐No	☐N/A	8.
All containers needing acid/base pres. have been checked? exceptions: VOA, coliform, TOC, O&G	☐Yes	☐No	☐N/A (circled)	9. (Circle) HNO3 H2SO4 NaOH HCl
All containers needing preservation are found to be in compliance with EPA recommendation.	☐Yes	☐No	☐N/A (circled)	
Headspace in VOA Vials (>6mm):	☐Yes	☐No	☐N/A (marked)	10.
Trip Blank Present:	☐Yes	☐No	☐N/A (marked)	11.
Trip Blank Custody Seals Present	☐Yes	☐No	☐N/A (marked)	
Project Manager Review				
Samples Arrived within Hold Time:	☒Yes	☐No	☐N/A	12.
Sufficient Volume:	☒Yes	☐No	☐N/A	13.
Correct Containers Used:	☒Yes	☐No	☐N/A	14.

Client Notification/ Resolution: Field Data Required? Y / N

Person Contacted: Laura Welsh Date/Time: 9/20/13

Comments/ Resolution:

- Decant off water in jars Run Solids
- ID, 3, 4 Came from "Benzene" Tanks. Be Careful
- Run 1 ?58 as water for PCBs only

Project Manager Review: Kenneth Hunt Date: 9/20/13

Form F-IN-Q290-rev.04, 28Apr2011

Sample Container Count

CLIENT: SME

COC PAGE 1 of 2

COC ID# 1754806

Project # SD87078

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1																
2																
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag

Sample Container Count

CLIENT: SME

COC PAGE 2 of 2
COC ID# 1754807

Project # 5087078

Sample Line Item	DG9H	AG1U	WGFU	AG0U	R 4/6	BP2N	BP2U	BP2S	BP3N	BP3U	BP3S	AG3S	AG1H			Comments
1			1													
2			1													
3																
4																
5																
6																
7																
8																
9																
10																
11																
12																

Container Codes

DG9H	40mL HCL amber voa vial	AG0U	100mL unpreserved amber glass	BP1N	1 liter HNO3 plastic	DG9P	40mL TSP amber vial
AG1U	1liter unpreserved amber glass	AG1H	1 liter HCL amber glass	BP1S	1 liter H2SO4 plastic	DG9S	40mL H2SO4 amber vial
WGFU	4oz clear soil jar	AG1S	1 liter H2SO4 amber glass	BP1U	1 liter unpreserved plastic	DG9T	40mL Na Thio amber vial
R	terra core kit	AG1T	1 liter Na Thiosulfate amber gl	BP1Z	1 liter NaOH, Zn, Ac	DG9U	40mL unpreserved **amber** vial
BP2N	500mL HNO3 plastic	AG2N	500mL HNO3 amber glass	BP2A	500mL NaOH, Asc Acid plastic	I	Wipe/Swab
BP2U	500mL unpreserved plastic	AG2S	500mL H2SO4 amber glass	BP2O	500mL NaOH plastic	JGFU	4oz unpreserved amber wide
BP2S	500mL H2SO4 plastic	AG2U	500mL unpreserved amber gla	BP2Z	500mL NaOH, Zn Ac	U	Summa Can
BP3N	250mL HNO3 plastic	AG3U	250mL unpreserved amber gla	AF	Air Filter	VG9H	40mL HCL clear vial
BP3U	250mL unpreserved plastic	BG1H	1 liter HCL clear glass	BP3C	250mL NaOH plastic	VG9T	40mL Na Thio. clear vial
BP3S	250mL H2SO4 plastic	BG1S	1 liter H2SO4 clear glass	BP3Z	250mL NaOH, Zn Ac plastic	VG9U	40mL unpreserved **clear** vial
AG3S	250mL H2SO4 glass amber	BG1T	1 liter Na Thiosulfate clear gla	C	Air Cassettes	VSG	Headspace septa vial & HCL
AG1S	1 liter H2SO4 amber glass	BG1U	1 liter unpreserved glass	DG9B	40mL Na Bisulfate amber vial	WGFX	4oz wide jar w/hexane wipe
BP1U	1 liter unpreserved plastic	BP1A	1 liter NaOH, Asc Acid plastic	DG9M	40mL MeOH clear vial	ZPLC	Ziploc Bag