Hazmat Survey Report for the Kensico Laboratory, Rev. 1

In support of Contract CAT-423

Prepared by:



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1. Introduction

Bidwell Environmental (Bidwell) was retained by Hazen and Sawyer (H&S) to perform a hazardous materials assessment (hazards assessment) at the New York City Department of Environmental Protection's (NYCDEP) Kesnsico Laboratory, located in Valhalla, NY (Figure 1). The work described herein was performed in support of design contract CAT-423 and includes sampling and analysis of accessible suspect hazardous materials on equipment and substrates set to be impacted by future construction. The hazards assessment was initiated in December 2017 and was performed in accordance with the scope of work outlined in Bidwell's Sampling Plan dated November 3, 2017. All work was completed in accordance with a Job Hazard Analysis.

Based on the current design, the CAT-423 scope of work consists of converting the interior of the building from a laboratory into offices and includes replacement of windows, doors and the HVAC system. Samples collected in support of the hazards assessment include paint, caulk, covebase, and oil. The hazards assessment also included an asbestos survey and an inventory of universal wastes and other known or potentially regulated materials. All investigation activities were led by Bidwell. Laboratory services were subcontracted to:

- Aqua-ProTech Laboratories (APL) (NYS ELAP Certification No. 11634, as provided in attachment A);
- Niche Analysis, Inc. (NYS ELAP Certification No. 11236, as provided in attachment B);
- KAM Consultants (NYS ELAP Certification No. 11273, as provided in attachment B); and
- ATC Group Services, LLC (NYS ELAP Certification No. 10879, as provided in attachment B).

The results of all investigation activities are presented in this Hazmat Survey Report. This report includes a detailed discussion of the background investigation, scope of work, findings, and recommendations for known hazardous materials (Sections 2 through 5). The discussion presented herein is supported by Tables 1-29, Figures 1-5, and Attachments A-E as referenced throughout the document.

2. Background Investigation

In support of the field effort, Bidwell performed a background investigation consisting of an existing data review and staff interviews. Data provided by NYCDEP consisted of lead, PCB and asbestos sampling results as well as abatement records. Data deemed relevant to the CAT-423 scope of work was incorporated into the data summary tables. The laboratory data packages are provided in Attachment C.

3. Scope of Work

3.1 Lead and PCBs in Paint

Historically, lead and PCBs were used in paints for several reasons. Lead was used as pigment because it made colors more vibrant. Lead was also used as a preservative, because it made the paint more weather resistant, resisted the growth of mold and mildew, and helped prevent corrosion of metal surfaces. PCBs were used in paint formulations to improve water and chemical resistance, elasticity, and durability. For this reason and based on findings at other NYCDEP facilities, lead and PCBs were evaluated on paint chip samples collected from painted equipment and structures to be impacted by the CAT-423 scope of work. Paint chip samples were collected using a sharp stainless steel paint scraper. All sampling equipment was decontaminated prior to use and between sample locations using disposable wipes. In most cases, multiple grab samples were collected from each paint type to generate representative composite samples. Prior to sample collection a new pair of disposable nitrile gloves was used at each sample location. During sample collection, care was taken to collect all layers of paint film.

Lead and PCB analyses were performed by APL using EPA methods SW 846-6010C and SW 846-8082 (soxhlet extraction), respectively. Analytical results are discussed in Section 4.1 and summarized in Table 1. Paint chip sample locations for this investigation are depicted in Figures 2 through 5. The complete laboratory data packages are provided within Attachment A and pictures of PCB-containing paints can be found within Attachment D.

3.2 Lead Jointed Pipe and Other Lead-Containing Coatings

As part of the site investigation activities, Bidwell personnel inspected equipment and materials set to be impacted by CAT-423 for lead jointed pipe, lead jacketed cable, lead shielding and other suspect lead-containing materials. The results of the inspection are discussed in Section 4.2 and summarized in Table 2.

3.3 Miscellaneous PCB-Containing Materials

Historically, PCBs were used in caulking as drying oils (resins) and plasticizers or softening agents. Based on findings at other NYCDEP facilities, PCB analysis was performed on caulking and sealant collected within areas affected by the CAT-423 scope of work. Samples were collected using a sharp stainless steel knife, which was decontaminated prior to use and between sample locations using disposable wipes. Bidwell also sampled the oil contained within door closing

devices by emptying the oil into a glass container provided by the laboratory. Prior to sample collection a new pair of disposable nitrile gloves was used at each sample location.

PCB analysis was performed by APL using EPA method SW 846-8082 (soxhlet extraction). The results of analysis are discussed in Section 4.3, and summarized in Table 3. Sample locations from this investigation are depicted in Figures 3 through 5. The complete laboratory data package is provided in Attachment A and pictures of PCB-containing material are provided in Attachment D.

3.4 Asbestos Survey

A bulk asbestos survey was performed by a New York State Department of Labor (NYSDOL) licensed asbestos inspector to identify, assess, and quantify asbestos-containing materials (ACM) within areas affected by the CAT-423 scope of work. The survey was performed in accordance with the Environmental Protection Agency's (EPA) "Guidance for Controlling Asbestos Containing Materials in Buildings", Office of Pesticides and Toxic Substances, DOC #560/5-85-024, and 40 CFR Part 763, Asbestos Hazard Emergency Response Act (AHERA). Field information was generally organized following the AHERA concept of a homogenous area. That is, suspect ACM with similar age, appearance, and texture was grouped together for the purpose of collecting a representative sample. Bulk sampling involved penetrating the total depth of the suspect material providing a core of all materials present. Representative sampling was based upon the material's physical characteristics and distribution throughout the survey area.

Analysis of the samples collected during the survey included Polarized Light Microscopy (PLM) and Transmission Electron Microscopy (TEM). PLM is the EPA recommended method (EPA method 40 CFR 763, subpart F, App A) for determining the presence of asbestos in building and equipment materials. These materials include, but are not limited to mortar, window glazing, gaskets, and flooring. The PLM procedures involve taking a small amount of the suspect material during sample collection and isolating the fibers present in a certified laboratory and identifying them based on the crystalline properties observed. All asbestos types are crystalline materials and as a result can be identified by specific optical properties observed in the polarized light microscope. Results of the analysis are reported as a percentage of the total sample. The PLM method is sensitive to concentrations of asbestos down to 1%.

Non-friable, organically bound material was considered positive until proven negative by TEM using NYS ELAP Protocols 198.6/198.4. TEM represents the most sophisticated technology available for determining the presence of asbestos fibers in the finest size ranges and has the ability

to definitively identify these fibers by Energy Dispersive X-ray microanalysis and Selected Area Electron Diffraction.

The results of PLM and TEM analysis are discussed in Section 4.4 and summarized in Table 4. Asbestos sample locations are depicted in Figures 2 through 5. The complete laboratory data packages are provided within Attachment B. Bidwell asbestos certificates are provided within Attachment E. Pictures of confirmed ACM are found in Attachment D.

3.5 Treated Wood

As part of the site investigation, Bidwell personnel inspected equipment and substrates scheduled to be impacted by the CAT-423 scope of work for treated wood. The results of the survey are discussed in Section 4.5.

3.6 Mold

As part of the site investigation, Bidwell personnel inspected equipment and substrates expected to be impacted by the CAT-423 scope of work for mold growth. Mold is a fungus that grows in damp conditions and can have a negative impact on human health. The results of the survey are discussed in Section 4.6.

3.7 Other Regulated Wastes

The survey for universal waste and other miscellaneous regulated materials included a visual inspection of suspect materials that may be affected by the CAT-423 scope of work. Fluorescent, mercury vapor, High Intensity Discharge (HID) bulbs, and all other non-incandescent bulbs are assumed to be mercury-containing universal wastes and quantified accordingly. Ballasts are assumed to be PCB-containing unless otherwise documented via labeling. Non-PCB ballasts typically contain di (2-ethylhexyl) phthalate and are regulated solid wastes.

Other potentially regulated wastes include mercury-containing equipment (e.g., thermometers, thermostats, etc.), batteries, abandoned chemicals, chlorofluorocarbons, electronic components and low-level radioactive substances. The results of the survey for universal wastes and other miscellaneous regulated materials are discussed in Section 4.7 and summarized in Tables 5 through 29.

4. Findings

4.1 Lead and PCBs in Paint

As summarized in Table 1, lead was detected in each paint sampled as part of the hazards assessment, including but not limited to, paint on pipes, boilers, walls, and floors. Concentrations of lead in the paint chip samples ranged from 15.1 to 634,000 mg/kg. Concentrations of lead measured during a previous investigation ranged from 20 to 5,600 mg/kg. Detected concentrations of 5,000 mg/kg (paint chip) or 0.5% (XRF) and higher meet the US Department of Housing and Urban Development (HUD) definition of lead-based paint. However, any detectable concentration of lead may create lead-containing dusts or fumes if the paint is disturbed during future CAT-423 construction activity.

As summarized in Table 1, PCBs were detected in the majority of paints sampled as part of the hazards assessment, including but not limited to, paint on piping, walls, doors, and electrical panels. Detected PCB concentrations ranged from 0.485 to 702 mg/kg. Detected concentrations of PCBs measured during previous investigation ranged from 2.6 to 26 mg/kg. A number of painted pipes (756 linear ft.) in the basement contained PCBs exceeding the EPA TSCA regulatory limit of 50 mg/kg. Painted surfaces containing any detectable concentration of PCBs may create contaminated dusts or fumes if the paint is disturbed during construction or demolition.

4.2 Lead Jointed Pipe and Other Lead-Containing Materials

As summarized in Table 2, lead was detected in covebase (6.91 mg/kg) and glazed wall tiles (50.4 mg/kg) which are present throughout the building. It should be noted that lead joints were identified on drainage piping located throughout the building and are summarized in Table 5 through 29.

4.3 Miscellaneous PCB-Containing Materials

As summarized in Table 3, PCBs were found in door caulk, window caulk and door closer oil. Detected PCB concentrations raged from 7.87 to 13.1 mg/kg. The regulatory limit for defining TSCA-regulated PCBs is 50 mg/kg. However, materials containing any detectable concentration of PCBs may create PCB-containing dusts or fumes if disturbed during future CAT-423 construction activity.

4.4 Asbestos-Containing Materials

As presented in Table 4, asbestos was detected in pipe insulation (232 linear ft.), pipe elbow insulation (46 elbows), floor tiles (2,386 ft²), duct mastic (3,690 ft²), door caulk (102 linear ft.), window caulk (657 linear ft.), radiator caulk (7 linear ft.), vent caulk (18 linear ft.), tar (10 ft²), canopy tar (264 ft²), duct gaskets (88 linear ft.), pipe gaskets (3.5 ft²), radiator shielding (697 ft²), and wire wrap (74 linear ft.). ACM is defined as containing greater than 1% asbestos. A number of items (caulk behind door frames, 360 linear ft. and transite arc panels, 53 ft²) could not be sampled and are presumed to be ACM until proven otherwise by testing. The estimated quantity and condition of the identified ACM is provided in Tables 5 through 29. Pictures of the ACM are provided in Attachment D.

4.5 Treated Wood

No treated wood was identified on equipment or substrates impacted by future CAT-423 construction activity.

4.6 Mold

No mold was identified on equipment or substrates impacted by future CAT-423 construction activity.

4.7 Other Regulated Wastes

As summarized in Tables 5 through 29, the construction scope of work includes the removal of other regulated wastes, including lighting bulbs (158), lighting ballasts (68), electronic waste (11), batteries (11), refrigerators (4), fire extinguishers (10) and a chemical waste storage tank (1).

5. Recommendations for Known Hazardous Materials

As detailed in Section 4, the hazards assessment confirmed the presence of hazardous materials that will require special handling during future construction. Remedial action and engineering controls will need to be implemented to provide for the safe handling of materials, and to protect site workers and the surrounding environment. The scope of remedial action shall include spot removal of lead and PCB-containing materials as necessary to control emissions during construction activities; abatement of asbestos-containing materials; and removal of regulated waste by an appropriately licensed waste hauler. Detailed recommendations for handling the known hazardous materials are discussed herein.

5.1 Lead and PCB-Containing Materials

As presented in Table 1, areas affected by the CAT-423 scope of work were determined to contain lead-based and lead-containing paints. According to 40 CFR 745.223, lead-based paint (LBP) is defined as paint that contains greater than or equal to 0.5% lead by dry weight (i.e., greater than or equal to 5,000 milligrams per kilogram (mg/kg)). In addition, Title X Section 1017 of the Department of Housing and Urban Development (HUD) Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing defines LBP as any paint containing lead in a concentration greater than or equal to 1.0 milligrams per square centimeter (mg/cm²). Lead-containing paint (LCP) is paint that contains less than 0.5% lead by dry weight (i.e., less than 5,000 mg/kg), or less than 1.0 mg/cm² of lead.

Since both LBP and LCP are subject to the requirements set forth in the OSHA Lead in Construction Standard (29 CFR 1926.62), the results of the LBP/LCP inspection can be used to determine where construction/demolition activities will require compliance with the standard and are also pertinent to the selection of an appropriate disposal site and/or recycling facility for demolition debris containing lead-painted surfaces. LBP/LCP-painted materials were detected throughout the surveyed area, including, but not limited to coatings on pipes, walls and ceilings.

As presented in Table 3, PCBs were detected in paint and miscellaneous materials affected by future CAT-423 construction activity. Any construction activity affecting PCB-containing materials shall be performed in accordance with an approved PCB Safe Work Plan (for PCB-containing materials <50 ppm) or PCB Management Plan (for PCB-containing materials ≥50 ppm). The presence of PCBs will require health and safety protocol to ensure worker exposure

will not exceed the OSHA PEL for PCBs (i.e., 1 milligram per cubic meter of air (mg/m³) as an 8-hour time weighted average (TWA)).

Management of lead and PCB-containing materials must be performed in accordance with Specifications 13283-Lead Management and 13284-PCB Management, respectively. Specifically, any construction activity affecting lead-containing materials must be conducted in accordance with an approved Lead Management Plan. The Lead Management Plan provides task-specific health and safety protocol and details of all waste handling. Work requiring a Lead Management Plan includes, but is not limited to, abatement, spot removal and construction/demolition activities. Construction activities affecting PCB-containing materials must be conducted in accordance with an approved PCB Safe Work Plan.

For bidding purposes, it is recommended that the contractor assume all painted surfaces will require HEPA vacuuming and wet wiping prior to the commencement of work on affected substrates and equipment. Additionally, it is recommended that lead and PCB-containing paints be removed from surfaces prior to cutting, unless other emission control efforts are proven effective. Construction areas impacting lead and PCB-containing paints should be posted as lead and PCB work areas, as applicable. Plastic sheeting should be used to protect the floors and equipment within the work areas. Cutting via hot methods should be avoided as practical, even after paint has been removed. Lead and PCB awareness training should be provided to all construction/demolition workers and inspectors, and exposure and area monitoring should be conducted during all activities that have the potential to generate dusts or fumes.

The disposal of materials coated with lead-based or lead-containing paint must be conducted in accordance with any applicable state and federal regulations, including RCRA regulations. Items that are not recycled (e.g., non-metallic wastes) would be subject to RCRA regulations. Under RCRA, lead-contaminated waste is regulated as a hazardous waste if the TCLP result exceeds 5.0 milligrams per liter (mg/L).

Wastes intended for recycling (e.g., painted scrap metal) are exempt from the definition of solid/hazardous waste under RCRA and NYSDEC regulations (6 NYCRR 371.1(c)(7)). Specifically, painted scrap metal shall be recycled in accordance with a C7 notification filed with the NYSDEC. Operators of the recycling facilities must still be notified of the presence of lead paint on wastes to be recycled in order to ensure proper handling.

Occupational lead exposure during construction activities is regulated by OSHA's Lead in Construction Standard, 29 CFR 1926.62. Work covered under the OSHA standard includes, but is not limited to:

- Demolition or salvage of structures where lead or materials containing lead are present;
- Removal or encapsulation of materials containing lead;
- New construction, alteration, repair or renovation of structures, substrates, or portions thereof, that contain lead, or materials containing lead; and
- Transportation, disposal, storage, or containment of lead or materials containing lead on the site or location at which construction activities are performed.

The OSHA PEL for worker exposures to airborne lead concentrations is 50 micrograms per cubic meter of air ($\mu g/m^3$) as an 8-hour TWA. The OSHA Action Level is 30 $\mu g/m^3$. At or above these limits, employers are required to follow all of the requirements set forth in 29 CFR 1926.62. Various levels of potential employee exposure while performing specific work tasks are listed in the standard along with guidance regarding corresponding personnel protective equipment (PPE) (e.g., respirators), air monitoring, and medical surveillance requirements. The contractor will be responsible for following the requirements of the standard during work to be conducted at the site.

5.2 Asbestos-Containing Materials

ACM is defined as containing greater than 1% asbestos. As presented in Table 4, asbestos was identified in a number of materials to be impacted by the CAT-423 scope of work. Materials found positive for asbestos include pipe insulation, duct mastic, door caulk, window caulk, vent caulk, gaskets, canopy tar, tar, radiator shielding and wire wrap.

In addition to the confirmed asbestos, there are numerous materials that were inaccessible at the time of the survey and could not be sampled. Materials that could not be accessed during the survey include but are not limited to door frame caulk, transite electric arc panels, and duct insulation. These materials are presumed asbestos-containing until proven otherwise. Estimated quantities of presumed asbestos-containing materials are provided in Tables 5 through 29. Presumed ACM and any suspect ACM discovered during construction/demolition activities must be sampled by a NYSDOL-certified Asbestos Inspector and sent to an accredited laboratory for analysis, unless otherwise managed as asbestos.

ACM affected by construction (e.g., on equipment targeted for demolition) must be removed by a NYSDOL-licensed asbestos abatement contractor. Specific means and methods for the asbestos

abatement should be developed by a licensed asbestos project designer. Unless otherwise specifically exempt by the regulations, independent third-party air monitoring must be performed by a NYSDOL-certified Asbestos Air Sampling Technician or Asbestos Project Monitor, prior to, during, and at the conclusion of all abatement activities, to protect the health and welfare of the public and NYCDEP personnel.

According to NYSDEC, non-friable ACM can be disposed of in a construction and demolition (C&D) debris landfill. All friable ACM, however, must be disposed of in a municipal waste landfill permitted to accept asbestos-containing wastes by EPA, as well as state, and local authorities. NYSDEC regulations pertaining to ACM are found in 6 NYCRR 360, Solid Waste Management Facilities.

Occupational asbestos exposure during construction/demolition activities is regulated by OSHA's Asbestos Standard for the Construction Industry (29 CFR 1926.1101). Work covered under the OSHA standard includes, but is not limited to:

- Demolition or salvage of structures where ACM is present;
- Removal or encapsulation of ACM;
- New construction, alteration, repair or renovation of structures, substrates, or portions thereof that contain ACM; and
- Transportation, disposal, storage, or containment of ACM on the site or location at which construction activities are performed.

The OSHA Permissible Exposure Limit (PEL) for worker exposures to airborne asbestos fiber concentrations is 0.1 fibers per cubic centimeter (f/cc) of air as an 8-hour Time-Weighted Average (TWA). The corresponding Excursion Limit is 1.0 f/cc averaged over a 30-minute period. At or above these limits, employers are required to follow all of the requirements set forth in 29 CFR 1926.1101. The contractor will be responsible for following the requirements of all federal, state, and local regulations during any abatement or construction/demolition activities conducted at the site.

The management of asbestos-containing materials shall be performed in accordance with Specification 13281-Asbestos Management. All workers engaged in asbestos abatement shall follow task-specific health and safety protocols and shall conduct work in accordance with an approved Asbestos Work Plan.

In addition to the above noted materials containing greater than 1% asbestos, trace asbestos was found in mastics, gaskets and flooring as identified in Table 4. While the removal of materials containing trace levels of asbestos is not regulated, it is recommended that the work be performed in accordance with minimum safe work practices.

5.3 Other Regulated Wastes

As summarized in Tables 5 through 29, areas affected by future CAT-423 construction activity were determined to contain universal wastes and other regulated materials. All workers engaged in the handling of universal waste and other miscellaneous regulated materials shall follow task-specific health and safety protocols and shall conduct work in accordance with approved work plans required by Specifications 13282-Mercury Management and 02222-Demolition and Removals. Additional details related to the handling of wastes are provided below.

Universal waste (fluorescent bulbs and batteries), must be managed in accordance with Specification 13282-Mercury Management, and shall be recycled at an appropriately permitted facility. Non-PCB ballasts shall be managed as non-hazardous regulated waste at an appropriately permitted facility.

Fire extinguishers require special handling and must be recycled or disposed, as appropriate, by a local fire extinguisher retailer. Refrigerants identified within the refrigerators shall be recycled by an appropriately licensed contractor, in accordance with an approved work plan required by Specification 02222-Demolition and Removals. Electronic components are considered hazardous and must be recycled at a registered electronic waste recycling facility.

The contents of the basement chemical waste storage tank could not be sampled and should at a minimum be considered hazardous for mercury and corrosivity, until proven otherwise by testing.

Table 1 Summary of Lead and PCB Analysis on Paints Kensico Laboratory Contract CAT-423

Sample ID	Location	Sample	Sample Substrate C		Result (mg/kg)*	
		Description			Lead	PCBs
191-LBP-01 ^a	Microbiology Office	Ceiling	Cement	Beige	0.0912%	NA
191-19-LCP-01 ^{a,1}	Microbiology Office	Ceiling	Cement	Beige	0.105%	5.61
191-LBP-02 ^a	Boiler Room	Duct	Metal	Black	0.264%	NA
191-01-LCP-01 ^{a,2}	Boiler Room	Duct	Metal	Black	0.205%	ND
191-LBP-03 ^a	Boiler Room	Boiler	Metal	Silver	0.213%	NA
191-01-LCP-02 ^{a,3}	Boiler Room	Boiler	Metal	Silver	0.104%	ND
191-LBP-04 ^a	Storage Room	Ceiling	Cement	Beige	0.512%	NA
264428.02 ^b	Attic	Duct work	Unknown	Unknown	820	2.9
264428.03 ^b	Lunch Room	Unknown	Unknown	White	1,000	3.7
264428.04 ^b	Lunch Room	Unknown	Unknown	Beige	350	ND
264428.05 ^b	Drafting Room	Ceiling beams	Unknown	Unknown	1,800	3.2
264428.06 ^b	Library	Walls	Unknown	Unknown	320	3.3
264428.07 ^b	First Floor	Ceiling tiles	Unknown	Unknown	20	2.6
264428.08 ^b	Boiler Room	Walls	Unknown	Unknown	5,600	26
CAT423-2ND-PC-01	Second Floor, Library and Conference Room	Walls	Plaster	Blue over beige	9,000	13.6
CAT423-2ND-PC-02	Second Floor, Hallway	Walls	Plaster	Green	2,510	4.56
CAT423-2ND-PC-03	Second Floor, Men's Bathroom	Sink drain pipe	Metal	White	1,400	2.14
CAT423-2ND-PC-04	Second Floor, Watershed Division Engineer's Office	Walls	Plaster	Beige over blue	1,560	3.49
CAT423-2ND-PC-05	Second Floor, Watershed Division Engineer's Office	Walls	Plaster	Yellow	2,890	10.9
CAT423-2ND-PC-06	Second Floor, Stairwell	Hand rail	Metal	Black	38,500	ND
CAT423-ATT-PC-07	Attic	Frame work	Metal	Silver	88,000	5.13

Table 1
Summary of Lead and PCB Analysis on Paints
Kensico Laboratory
Contract CAT-423

Sample ID	Location	Sample Substrate Color		Result (mg/kg)*	
		Description			Lead	PCBs
CAT423-ATT-PC-08	Attic	Frame work	Metal	Yellow over silver	268	ND
CAT423-1ST-PC-09	First Floor, Sample Reception Room	Floor	Concrete	Grey/blue	35.8	ND
CAT423-1ST-PC-10	First Floor, Offices	Door	Metal	Beige over green	15.1	14.5
CAT423-BASE-PC-11	Basement, Boiler Room	Drain pipe	Metal	Black	4,720	30.6
CAT423-BASE-PC-12	Basement, Storage Room	Floor	Cement	Green	472	0.485
CAT423-BASE-PC-13	Basement, Hallway	Walls	Cement	White	26,800	20.7
CAT423-BASE-PC-14	Basement, Storage Room	Walls	Brick	Beige	5,490	6.16
CAT423-BASE-PC-15	Basement, Boiler Room	Main panel	Metal	Silver	2,810	22
CAT423-1ST-PC-16	First Floor, Garage	Floor	Concrete	Green	40.3	ND
CAT423-1ST-PC-17	First Floor, Garage	Support beam	Metal	Grey over red	126,000	ND
CAT423-BASE-PC-18	Basement, Crawlspace	Drain pipe	Metal	Black	310,000	52.7
CAT423-BASE-PC-19	Basement, Crawlspace	Drain pipe	Metal	Brown	533,000	128
CAT423-BASE-PC-20	Basement, Crawlspace	Piping	Metal	Blue	634,000	5.19
CAT423-BASE-PC-21	Basement, Crawlspace	Piping	Metal	Green	9,900	702
CAT423-BASE-PC-22	Basement, Crawlspace	Piping	Metal	Yellow	67,600	145

Notes:

- (1) Samples collected by Bidwell Environmental in December, 2017 and January, 2018.
- (2) The DEP and HUD action level used to define lead based paints is 5,000 mg/kg or 0.5%. The regulatory limit for defining TSCA-regulated PCBs is 50 mg/kg. However, any detected concentration of lead or PCBs in paint has the potential to affect worker health and safety during certain construction activities and shall be addressed in the Contractor's health and safety protocol for the affected work.
- (3) Sample results noted above are considered representative of similarly painted structures, equipment, and substrates.
- * Unless otherwise noted

Table 1 Summary of Lead and PCB Analysis on Paints Kensico Laboratory Contract CAT-423

- ^a Samples collected by URS in September, 2004 for the Facility-Specific Assessment Report.
- ^b Samples collected in November, 2006.
- ¹ Sample is homogenous to 191-LBP-01
- ² Sample is homogenous to 191-LBP-02
- ³ Sample is homogenous to 191-LBP-03

Table 2 Summary of Lead Analysis on Miscellaneous Materials Kensico Laboratory Contract CAT-423

Sample ID	Location	Sample Description	Color	Result (mg/kg)
CAT423-2ND-PB-01	Second Floor, Library and Conference Room	Vinyl covebase	Grey	6.91
CAT423-2ND-PB-02	Second Floor, Hallway	Vinyl covebase	Black	ND
CAT423-1ST-PB-03	First Floor, Offices	Glazed wall tile	Green	50.4

Notes:

- (1) Samples collected by Bidwell Environmental in December, 2017.
- (2) Any detected concentration of lead has the potential to affect worker health and safety during certain construction activities and shall be addressed in the Contractor's health and safety protocol for the affected work.
- (3) Sample results noted above are considered representative of materials with similar age, appearance, and texture.
- ND Not Detected

Table 3 Summary of PCB Analysis on Miscellaneous Materials Kensico Laboratory Contact CAT-423

Sample ID	Area	Location	Material Description	Color	Result (mg/kg)
264428.01 ^a	Second Floor, Lunch Room	Window	Caulk	Unknown	ND
CAT423-1ST-PCB-01	First Floor, General Lab	Interior window	Caulk	Grey	8.13
CAT423-BASE-PCB-02	Basement, Boiler Room	Door	Caulk	Beige	13.1
CAT423-BASE-PCB-03	Basement, Boiler Room	Ground	Tar	Black	ND
CAT423-EXT-PCB-04	Exterior	Window	Caulk	Grey	ND
CAT423-1ST-PCB-05	First Floor, Garage	Floor joint	Caulk	Green	ND
CAT423-1ST-PCB-06	First Floor, Garage	Base of wall	Caulk	Yellow	ND
CAT423-EXT-PCB-07	Exterior	Vent	Caulk	White	ND
CAT423-EXT-PCB-08	Exterior	Entrance curb	Expansion joint	Black	ND
CAT423-EXT-PCB-09	Exterior	Window	Caulk	White	ND
CAT423-BASE-PCB-10	Basement, Crawlspace	Base of wall	Tar	Black	ND
CAT423-1ST-PCB-11	First Floor, Offices	Door closer	Oil	Brown	7.87

Notes:

- (1) Samples collected by Bidwell Environmental in December, 2017, January, 2018, and March 2018.
- (2) The regulatory limit for defining TSCA-regulated PCBs is 50 mg/kg. However, any detected concentration of PCBs has the potential to affect worker health and safety during certain construction activities and shall be addressed in the Contractor's health and safety protocol for the affected work.
- (3) Sample results noted above are considered representative of materials with similar age, appearance, and texture.
- ^a Sample collected in November, 2006.

ND - Not Detected

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID HM		Area	Sample Location Material Description		A	lts (%)	
					PLM	PLM-NOB	TEM
0105040201E ^a	-	First Floor, Garage	Old incubator, top cavity in cabinet	Gray air cell sheet insulation	28.57	NA	NA
0105040202E ^a	-	First Floor, Garage	Left door, cavity in cabinet	Gray air cell sheet insulation	33.33	NA	NA
0913040201E ^b	-	First Floor, Back Door Room	Heat pipe at ceiling	White insulation	36.4	NA	NA
0913040202E ^b	-	First Floor, Main Lab Area	Heat pipe at ceiling	White insulation	44.4	NA	NA
0913040203E ^b	-	First Floor, Bottle Wash Room	Heat pipe at ceiling	White insulation	40	NA	NA
0913040204E ^b	-	First Floor, Bottle Wash Room	Ceiling	Black ceiling tile glue	IND	NA	ND
0913040205E ^b	-	First Floor, Back Room Left	Ceiling	Black ceiling tile glue	IND	NA	NA
0913040206E ^b	-	First Floor, East Back Room	Ceiling	Black ceiling tile glue	IND	NA	NA
0913040207E ^b	-	First Floor, Back Left Room	Ceiling	Brown fiber ceiling tile	ND	NA	NA
191-01-01 ^c	-	Attic	HVAC system	Sealants (duct batting mastic)	7	NA	NA
191-01-02 ^c	-	Attic	HVAC system	Sealants (duct batting mastic)	NA	NA	NA
191-01-03 ^c	-	Attic	HVAC system	Sealants (duct batting mastic)	NA	NA	NA
191-02-01 ^c	-	Second Floor, Microbiology Office	Ceiling	Suspended ceiling tiles	ND	NA	NA
191-02-02 ^c	-	Second Floor, Microbiology Office	Ceiling	Suspended ceiling tiles	ND	NA	NA
191-02-03 ^c	_	Second Floor, Microbiology Office	Ceiling	Suspended ceiling tiles	ND	NA	NA

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area Sample Location Material Description		Material Description	Analytical Results (%)			
					PLM PLM-NC		TEM	
191-03-01 ^c	-	First Floor, Autoclave	Ceiling	Ceiling tile mastic	ND	NA	NA	
		and Bottle Lab						
191-03-02 ^c	-	First Floor, Autoclave and Bottle Lab	Ceiling	Ceiling tile mastic	ND	NA	NA	
191-03-03 ^c	-	First Floor, Autoclave and Bottle Lab	Ceiling	Ceiling tile mastic	ND	NA	NA	
191-04-01 ^c	-	First Floor, Autoclave and Bottle Lab	Ceiling	Plaster with scratch coat	ND	NA	NA	
191-04-02 ^c	-	First Floor, Autoclave and Bottle Lab	Ceiling	Plaster with scratch coat	ND	NA	NA	
191-04-03 ^c	-	First Floor, Autoclave and Bottle Lab	Ceiling	Plaster with scratch coat	ND	NA	NA	
191-05-01 ^c	_	First Floor, Wet Chem Lab	Door	Caulk	<1 Trace	NA	NA	
191-05-02 ^c	-	First Floor, Wet Chem Lab	Door	Caulk	<1 Trace	NA	NA	
191-05-03 ^c	-	First Floor, Wet Chem Lab	Door	Caulk	<1 Trace	NA	NA	
191-06-01 ^c	_	Basement, Boiler Room	Door	Caulk	2.25	NA	NA	
191-06-02°	_	Basement, Boiler Room	Door	Caulk	NA	NA	NA	
191-06-03°	_	Basement, Boiler Room	Door	Caulk	NA	NA	NA	
0222060201E ^d	-	First Floor, Chemical Lab	Unknown	Brown ceiling debris	ND	NA	NA	
0222060202E ^d	-	First Floor, Chemical Lab	Unknown	Brown ceiling debris	ND	NA	NA	
0821060210E ^e	-	Front Entrance	Canopy	Black membrane tar	IND	NA	NA	
0821060211E ^e	_	Front Entrance	Canopy	Black membrane tar	IND	NA	NA	
0821060212E ^e	_	Front Entrance	Canopy	Black membrane tar	IND	NA	NA	
0821060213E ^e	-	Front Entrance	Canopy	Black membrane tar	10.6	NA	NA	
1 ^g	_	Second Floor,	Left side	Gray window frame	NA	5.1	NA	
		Lunch Room		caulking				

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG Area Sample Location Material D		Material Description	Analytical Results (%)			
					PLM	PLM-NOB	TEM
2 ^g	-	Second Floor,	Left side	Gray window frame	NA	4.2	NA
		Lunch Room		caulking			
3 ^g	-	Second Floor,	Left side	Gray window frame	NA	5.8	NA
		Lunch Room		caulking			
4 ^g	-	Attic	Duct exhaust	Brown mastic	NA	6	NA
5 ^g	-	Attic	Duct exhaust	Brown mastic	NA	4	NA
6 ^g	-	Attic	Duct exhaust	Brown mastic	NA	4.5	NA
7 ^g	_	Attic	Main air handler	Dark brown duct vibration	ND	NA	NA
8 ^g	-	Attic	Fan #1	Black duct vibration	ND	NA	NA
9 ^g	-	Attic	Fan #2	Dark brown duct vibration	ND	NA	NA
10 ^g	-	Attic	Fan #2	Dark brown duct vibration	ND	NA	NA
11 ^g	-	Attic	Fan #3	Dark brown duct vibration	ND	NA	NA
12 ^g	-	Second Floor, Lunch Room	Southeast corner	Brown 2x4' ceiling tile	ND	NA	NA
13 ^g	-	Second Floor, Lunch Room	Southeast corner	Brown 2x4' ceiling tile	ND	NA	NA
14 ^g	-	Second Floor, Lunch Room	Southeast corner	Brown 2x4' ceiling tile	ND	NA	NA
15A ^g	-	Second Floor, Lunch Room	East side, southeast corner	White ceiling plaster	ND	NA	NA
15B ^g	-	Second Floor, Lunch Room	East side, southeast corner	Brown ceiling plaster	ND	NA	NA
16A ^g	-	Second Floor, Lunch Room	West side, southwest corner	White ceiling plaster	ND	NA	NA
16B ^g	-	Second Floor, Lunch Room	West side, southwest corner	Brown ceiling plaster	ND	NA	NA
17A ^g	-	Second Floor, Lunch Room	West side, southwest corner	White ceiling plaster	ND	NA	NA
17B ^g	-	Second Floor, Lunch Room	West side, southwest corner	Brown ceiling plaster	ND	NA	NA

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	A	Analytical Resu	lts (%)
					PLM	PLM-NOB	TEM
18 ^g	-	Second Floor, Library-	Northeast corner	Brown 2x4' ceiling tile	ND	NA	NA
		Conference Room					
19 ^g	-	Second Floor, Library-	Southwest corner	White 2x4' ceiling tile	ND	NA	NA
		Conference Room					
20 ^g	-	Second Floor, Library-	Southwest corner	White 2x4' ceiling tile	ND	NA	NA
		Conference Room					
21A ^g	_	Second Floor, Library-	Southwest corner	White ceiling plaster	ND	NA	NA
, 		Conference Room					
21B ^g	_	Second Floor, Library-	Southwest corner	Brown ceiling plaster	ND	NA	NA
		Conference Room					
22A ^g	-	Second Floor, Library-	Southwest corner	White ceiling plaster	ND	NA	NA
		Conference Room					
22B ^g	_	Second Floor, Library-	Southwest corner	Brown ceiling plaster	ND	NA	NA
		Conference Room					
23A ^g	_	Second Floor, Library-	Northeast corner	White ceiling plaster	ND	NA	NA
		Conference Room					
23B ^g	_	Second Floor, Library-	Northeast corner	Brown ceiling plaster	ND	NA	NA
		Conference Room					
24 ^g	_	First Floor, Auto Clave	Northeast corner	White plaster beam coat	ND	NA	NA
		Room					
25 ^g	-	First Floor, Auto Clave	Northeast corner	Yellow 9x9" ceiling tile	ND	NA	NA
		Room					
26 ^g	_	First Floor, Auto Clave	Northeast corner	Yellow 9x9" ceiling tile	ND	NA	NA
		Room					
27 ^g	_	First Floor, Auto Clave	Northeast corner, duct	Yellow 9x9" ceiling tile	ND	NA	NA
		Room	wall				
28 ^g	_	First Floor, Auto Clave	Northeast corner, duct	Brown duct mesh plaster	ND	NA	NA
		Room	wall				

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	F	Analytical Resul	lts (%)
					PLM	PLM-NOB	TEM
29 ^g	-	First Floor, Auto Clave	Northeast corner, duct	Brown duct mesh plaster	NA	NA	NA
		Room	wall				
30A ^g	-	First Floor, Auto Clave	Duct work, east side	Black duct insulation spot	NA	8	NA
		Room		coating			
30B ^g	-	First Floor, Auto Clave	Northeast corner duct,	Yellow duct insulation	ND	NA	NA
		Room	east				
31A ^g	-	First Floor, Auto Clave	Duct work, east side	Black duct insulation spot	NA	7.5	NA
		Room		coating			
31B ^g	-	First Floor, Auto Clave	Northeast corner duct	Yellow duct insulation	ND	NA	NA
		Room	east				
32 ^g	-	First Floor, Auto Clave	Northeast corner,	Brown ceiling tile glue	NA	IND	ND
		Room	ceiling				
33 ^g	-	First Floor, Auto Clave	Northeast corner duct,	Brown ceiling tile glue	NA	IND	ND
		Room	east wall				
34 ^g	-	First Floor, Auto Clave	Northeast corner duct,	Brown ceiling tile glue	ND	IND	ND
		Room	east wall				
35A ^g	-	First Floor, Auto Clave	South middle area,	White wall plaster	ND	NA	NA
g		Room	upper	5			
35B ^g	-	First Floor, Auto Clave	South middle area,	Brown wall plaster	ND	NA	NA
σ		Room	upper	VATING A STATE OF THE STATE OF	ND	NIA	NI A
36A ^g	-	First Floor, Auto Clave	South middle area,	White wall plaster	ND	NA	NA
2 2 2 g		Room	upper	Drawn wall placter	ND	NIA	NIA
36B ^g	-	First Floor, Auto Clave	South middle area,	Brown wall plaster	ND	NA	NA
o – v g	_	Room First Floor, Auto Clave	upper Northwest corner,	White wall plaster	ND	NA	NA
37A ^g	_	Room		write wall plaster	ND	IVA	IVA
270 ^g	_	First Floor, Auto Clave	upper area Northwest corner,	Brown wall plaster	ND	NA	NA
37B ^g	_	•	•	Biowii wali plastei	ND	INA	INA
<u> </u>		Room	upper area				

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description		Analytical Resul	lts (%)
					PLM	PLM-NOB	TEM
38 ^g	-	First Floor, Auto Clave	South wall, upper area	Pale green ceramic brick	ND	NA	NA
		Room					
39 ^g	-	First Floor, Auto Clave	South wall, upper area	Pale green ceramic brick	ND	NA	NA
g		Room	Cauth wall was a sec	Dala susan asususia buiak	ND	NIA	NIA
40 ^g	-	First Floor, Auto Clave Room	South wall, upper area	Pale green ceramic brick	ND	NA	NA
41 ^g	_	First Floor, Water & Sewer	West side, duct wall	Brown duct mesh plaster	ND	NA	NA
71		Lab					
42 ^g	-	First Floor, Water & Sewer	West side, duct wall	Brown duct mesh plaster	ND	NA	NA
		Lab					
43 ^g	-	First Floor, Water & Sewer	West side, middle area	Yellow 9x9" ceiling tile	ND	NA	NA
		Lab				_	
44A ^g	-	First Floor, Water & Sewer	South end	Black duct insulation spot	NA	6.4	NA
445 ^g		Lab First Floor, Water & Sewer		coating Yellow duct insulation	ND	NA	NA
44B ^g	_	Lab		renow duct insulation	ND	IVA	INA
45 ^g	_	First Floor, Water & Sewer	South end	Gray duct insulation cement	ND	NA	NA
		Lab					
46 ^g	-	First Floor, Water & Sewer	South end	Gray duct insulation cement	ND	NA	NA
		Lab					
47 ^g	-	First Floor, Water & Sewer	South end	Gray duct insulation cement	ND	NA	NA
		Lab					
48 ^g	-	Basement, Boiler Room	South side, middle	Grey wall concrete	ND	NA	NA
49 ^g	-	Basement, Boiler Room	South side, middle	Grey wall concrete	ND	NA	NA
50 ^g	-	Basement, Boiler Room	South side, middle	Grey wall concrete	ND	NA	NA
51 ^g	-	Basement, Boiler Room	South side, above boiler	Grey beam concrete	ND	NA	NA
52 ^g	-	Basement, Boiler Room	South side, above boiler	Grey beam concrete	ND	NA	NA
53 ^g		Basement, Boiler Room	South side, above boiler	Grey beam concrete	ND	NA	NA

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	Analytical Results (%)		
					PLM	PLM-NOB	TEM
1218070201E ^h	-	First Floor, Chem Room	HVAC duct insulation	Grey vapor barrier below	6	NA	NA
				batting			
1218070202E ^h	-	First Floor, Chem Room	HVAC duct insulation	Grey vapor barrier below batting	6	NA	NA
1218070203E ^h	-	First Floor, Chem Room	HVAC duct insulation	Grey vapor barrier below batting	6	NA	NA
1218070204E ^h	-	First Floor, Auto Clave Room	Ceiling	Grey concrete	ND	NA	NA
1218070205E ^h	-	First Floor, Auto Clave Room	Ceiling	Grey concrete	ND	NA	NA
1218070206E ^h	-	First Floor, Auto Clave Room	Ceiling	Grey concrete	ND	NA	NA
02130802-01E ⁱ	-	Attic	Inside HVAC unit	Fiberglass insulation liner	ND	NA	NA
02130802-02E ⁱ	-	Attic	Inside HVAC unit	Fiberglass insulation liner	ND	NA	NA
02130802-03E ⁱ	-	Attic	Inside HVAC unit	Fiberglass insulation liner	ND	NA	NA
02130802-04E ⁱ	-	Attic	Inside HVAC unit	Black adhesive	NA	IND	<1 (Trace)
02130802-05E ⁱ	-	Attic	Inside HVAC unit	Black adhesive	NA	IND	ND
02130802-06E ⁱ	-	Attic	Inside HVAC unit	Black adhesive	NA	IND	<1 (Trace)
02130802-07E ⁱ	-	Attic	Inside HVAC unit	Gasket at top seam	NA	IND	1.4
02130802-08E ⁱ	-	Attic	Inside HVAC unit	Gasket at top seam	NA	IND	0.2 (Trace)
02130802-09E ⁱ	-	Attic	Inside HVAC unit	Gasket at top seam	NA	IND	0.2 (Trace)
02130802-10E ⁱ	-	Attic	HVAC duct	Residual tar covering	NA	12.5	NA
02130802-11E ⁱ	-	Attic	HVAC duct	Residual tar covering	NA	17.7	NA
02130802-12E ⁱ	-	Attic	HVAC duct	Residual tar covering	NA	14.8	NA
02130802-13E ⁱ	_	First Floor, Auto Clave Room	Unknown	Tan ceramic panels	ND	NA	NA

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	<i>A</i>	Analytical Resu	lts (%)
					PLM	PLM-NOB	TEM
02130802-14E ⁱ	-	First Floor, Auto Clave Room	Unknown	Tan ceramic panels	ND	NA	NA
02130802-15E ⁱ	-	First Floor, Auto Clave Room	Unknown	Tan ceramic panels	ND	NA	NA
02130802-16E ⁱ	-	First Floor, Entranceway	Floor	Terrazzo floor	ND	NA	NA
02130802-17E ⁱ	-	First Floor, Entranceway	Floor	Terrazzo floor	ND	NA	NA
02130802-18E ⁱ	-	First Floor, Entranceway	Floor	Terrazzo floor	ND	NA	NA
1E ^j	-	Basement, Boiler Room	Main distribution panel	Bridge feeder insulation	ND	IND	ND
2E ^j	-	Basement, Boiler Room	Main distribution panel	Bridge feeder insulation	ND	IND	ND
3E ^j	-	Basement, Boiler Room	Main distribution panel	Bridge feeder insulation	ND	IND	ND
4E ^j	-	Basement, Boiler Room	Main distribution panel	Wire insulation	ND	IND	ND
5E ^j	-	Basement, Boiler Room	Main distribution panel	Wire insulation	ND	IND	ND
6E ^j	-	Basement, Boiler Room	Main distribution panel	Wire insulation	ND	IND	ND
7E ^j	-	First Floor, Hallway	Panel	Wire insulation	ND	IND	ND
8E ^j	-	First Floor, Hallway	Panel	Wire insulation	ND	IND	ND
9E ^j	-	First Floor, Hallway	Panel	Wire insulation	ND	IND	ND
10E ^j	-	First Floor, Hallway	Panel	Wire insulation	ND	IND	ND
11E ^j	-	First Floor, Hallway	Panel	Main panel feed insulation	ND	IND	ND
12E ^j	-	First Floor, Hallway	Panel	Main panel feed insulation	ND	IND	ND

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	i Area	Sample Location	Material Description	A	Analytical Resu	lts (%)
					PLM	PLM-NOB	TEM
13E ^j	-	First Floor, Hallway	Panel	Main panel feed	ND	IND	ND
				insulation			
14E ^j	-	Attic	Air conditioner panel	Main panel feed	ND	IND	ND
				insulation			
15E ^j	-	Attic	Air conditioner panel	Main panel feed	ND	IND	ND
				insulation			
16E ^j	-	Attic	Air conditioner panel	Main panel feed	ND	IND	ND
				insulation			
17E ^j	-	Attic	Air conditioner panel	Wire insulation	ND	IND	ND
18E ^j	-	Attic	Air conditioner panel	Wire insulation	ND	IND	ND
19E ^j	-	Attic	Air conditioner panel	Wire insulation	ND	IND	ND
20E ^j	-	Main lab	Light switch	Wire insulation	ND	IND	ND
1E ^k	-	Lab Storage	Floor drain	Black tar coating	NA	IND	ND
2E ^k	_	Lab Storage	Floor drain	Black tar coating	NA	IND	ND
1E ^k	_	Lab Storage	Floor drain	Black tar coating	NA	IND	NA
2E ^k	_	Lab Storage	Along wall	Black tar coating	NA	IND	1.4
0210040201E ¹	-	Second Floor, Office	Left front chimney	White plaster	ND	NA	NA
0210040202E ¹	_	Second Floor, Office	Left front chimney	White plaster	ND	NA	NA
0210040203E ^l	-	Second Floor, Office	Left front chimney	Powdered concrete	ND	NA	NA
0210040204E ^l	-	Second Floor, Office	Right rear	White plaster	ND	NA	NA
0210040205E ^l	-	Second Floor, Office	Right rear	White plaster	ND	NA	NA
CAT423-2ND-ASB-01	1	Second Floor, Library and	Wall	Grey vinyl covebase	NA	IND	ND
		Conference Room					

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	A	Analytical Resul	lts (%)
					PLM	PLM-NOB	TEM
CAT423-2ND-ASB-02	2	Second Floor, Library and	Wall	Brown covebase mastic	NA	IND	ND
		Conference Room					
CAT423-2ND-ASB-03	3	Second Floor, Library and	Floor	Brown carpet mastic	NA	IND	ND
		Conference Room					
CAT423-2ND-ASB-04	4	Second Floor, Library and	Door	Grey glazing	NA	IND	ND
		Conference Room					
CAT423-2ND-ASB-05	4	Second Floor, Drafting Room	Door	Grey glazing	NA	IND	ND
CAT423-2ND-ASB-06	5	Second Floor, Drafting Room	North wall	Black conduit putty	NA	IND	ND
CAT423-2ND-ASB-07	5	Second Floor, Drafting	North wall	Black conduit putty	NA	IND	ND
		Room					
CAT423-2ND-ASB-08	6	Second Floor, Drafting	Floor	Green linoleum	NA	IND	ND
		Room					
CAT423-2ND-ASB-09	6	Second Floor, Drafting Room	Floor	Green linoleum	NA	IND	ND
CAT423-2ND-ASB-10	7	Second Floor, Drafting	Floor	Brown mastic under green	NA	IND	ND
C/(1423 21VD //3D 10	,	Room	11001	linoleum	IVA	IND	ND
CAT423-2ND-ASB-11	7	Second Floor, Drafting	Floor	Brown mastic under green	NA	IND	ND
		Room		linoleum			
CAT423-2ND-ASB-12	8	Second Floor, Hallway	Wall	Black vinyl covebase	NA	IND	ND
CAT423-2ND-ASB-13	9	Second Floor, Hallway	Wall	Brown covebase mastic	NA	IND	ND
CAT423-2ND-ASB-14	10	Second Floor, Hallway	Floor	Beige linoleum	NA	IND	ND
CAT423-2ND-ASB-15	11	Second Floor, Hallway	Floor	Brown mastic under linoleum	NA	IND	ND
CAT423-2ND-ASB-16	8	Second Floor, Lunch Room	Wall	Black vinyl covebase	NA	IND	ND
CAT423-2ND-ASB-17	9	Second Floor, Lunch Room	Wall	Brown covebase mastic	NA	IND	ND
CAT423-2ND-ASB-18	10	Second Floor, Lunch Room	Floor	Beige linoleum	NA	IND	ND

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	A	Analytical Resu	lts (%)
					PLM	PLM-NOB	TEM
CAT423-2ND-ASB-19	12	Second Floor, Lunch Room	Floor	Brown mastic/grey leveling	NA	IND	ND
CAT423-2ND-ASB-20	12	Second Floor, Lunch Room	Floor	compound Brown mastic/grey leveling compound	NA	IND	ND
CAT423-2ND-ASB-21	13	Second Floor, Women's Restroom	Wall	Green mortar	ND	NA	NA
CAT423-2ND-ASB-22	1	Second Floor, Watershed Office	Wall	Grey vinyl covebase	NA	IND	ND
CAT423-2ND-ASB-23	2	Second Floor, Watershed Office	Wall	Brown covebase mastic	NA	IND	ND
CAT423-2ND-ASB-24	3	Second Floor, Watershed Office	Floor	Brown carpet mastic	NA	IND	ND
CAT423-2ND-ASB-25	13	Second Floor, Men's Restroom	Wall	Green mortar	ND	NA	NA
CAT423-2ND-ASB-26	14	Second Floor, Women's Restroom	Radiator	Black caulk	NA	IND	15
CAT423-2ND-ASB-27	14	Second Floor, Men's Restroom	Radiator	Black caulk	NA	IND	21
CAT423-2ND-ASB-28	15	Second Floor, Stairwell	Radiator	White (painted black) shielding	80	NA	NA
CAT423-2ND-ASB-29	15	Second Floor, Library (Microbiology Office)	Radiator	White (painted black) shielding	NA	NA	NA
CAT423-ATT-ASB-30	16	Attic	HVAC unit	Black gasket	NA	IND	< 1 (Trace)
CAT423-ATT-ASB-31	16	Attic	Fan [#] 2 access hatch	Black gasket	NA	IND	ND
CAT423-ATT-ASB-32	17	Attic	Chimney	Grey mortar	ND	NA	NA
CAT423-ATT-ASB-33	17	Attic	Chimney	Grey mortar	ND	NA	NA
CAT423-1ST-ASB-34	18	First Floor, General Lab	Lab benches	Black countertop	ND	NA	NA

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	A	Analytical Resu	lts (%)
					PLM	PLM-NOB	TEM
CAT423-1ST-ASB-35	19	First Floor, General Lab	Lab benches	Black countertop	ND	NA	NA
				bonding agent			
CAT423-1ST-ASB-36	19	First Floor, General Lab	Lab benches	Black countertop	NA	IND	ND
				bonding agent			
CAT423-1ST-ASB-37	18	First Floor, Physical Lab	Lab benches	Black countertop	ND	NA	NA
CAT423-1ST-ASB-38	20	First Floor, General Lab	Radiator	Brown canvas wire wrap	80	NA	NA
CAT423-1ST-ASB-39	20	First Floor, General Lab	Radiator	Brown canvas wire wrap	NA	NA	NA
CAT423-1ST-ASB-40	21	First Floor, Reagent and	Fume hood	White rope gasket	ND	NA	NA
		Media Prep Room					
CAT423-1ST-ASB-41	21	First Floor, Reagent and	Fume hood	White rope gasket	ND	NA	NA
		Media Prep Room					
CAT423-BASE-ASB-42	22	Basement, Boiler Room	Boiler	Silver paint	NA	IND	ND
CAT423-BASE-ASB-43	22	Basement, Boiler Room	Boiler	Silver paint	NA	IND	ND
CAT423-BASE-ASB-44	23	Basement, Boiler Room	Boiler	Interior packing rope	ND	NA	NA
CAT423-BASE-ASB-45	23	Basement, Boiler Room	Boiler	Interior packing rope	ND	NA	NA
CAT423-BASE-ASB-46	24	Basement, Boiler Room	Boiler	Red fire brick	ND	NA	NA
CAT423-BASE-ASB-47	24	Basement, Boiler Room	Boiler	Red fire brick	ND	NA	NA
CAT423-BASE-ASB-48	25	Basement, Boiler Room	Wall	Grey wall penetration	ND	NA	NA
				sealant			
CAT423-BASE-ASB-49	25	Basement, Boiler Room	Wall	Grey wall penetration	ND	NA	NA
				sealant			
CAT423-BASE-ASB-50	26	Basement, Boiler Room	Boiler	White paper gasket	ND	NA	NA
CAT423-BASE-ASB-51	26	Basement, Boiler Room	Boiler	White paper gasket	ND	NA	NA
CAT423-BASE-ASB-52	27	Basement, Boiler Room	Duct motor	Black braided wire	ND	NA	NA
CAT423-BASE-ASB-53	27	Basement, Boiler Room	Duct motor	Black braided wire	ND	NA	NA
CAT423-BASE-ASB-54	28	Basement, Boiler Room	Door	Grey glazing	NA	IND	ND
CAT423-BASE-ASB-55	28	Basement, Storage Room	Door	Grey glazing	NA	IND	ND

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	A	Analytical Resu	lts (%)
					PLM	PLM-NOB	TEM
CAT423-EXT-ASB-56	29	Exterior, West Wall	Window	White caulk	NA	IND	ND
CAT423-EXT-ASB-57	29	Exterior, West Wall	Window	White caulk	NA	IND	ND
CAT423-1ST-ASB-58	30	First Floor, General Lab	Floor	Beige linoleum	NA	IND	ND
CAT423-1ST-ASB-59	31	First Floor, General Lab	Floor	Brown mastic under beige linoleum	NA	IND	ND
CAT423-1ST-ASB-60	30	First Floor, Water and Sewage Lab	Floor	Beige linoleum	NA	IND	ND
CAT423-1ST-ASB-61	31	First Floor, Water and Sewage Lab	Floor	Brown mastic under beige linoleum	NA	IND	ND
CAT423-BASE-ASB-62	32	Basement, Boiler Room	Electrical panel	White braided wire	ND	NA	NA
CAT423-BASE-ASB-63	32	Basement, Boiler Room	Electrical panel	White braided wire	ND	NA	NA
CAT423-BASE-ASB-64	33	Basement, Boiler Room	Electrical panel	Red braided wire	ND	NA	NA
CAT423-BASE-ASB-65	33	Basement, Boiler Room	Electrical panel	Red braided wire	ND	NA	NA
CAT423-1ST-ASB-66	34	First Floor, Water and Sewage Lab	Fume hood	Tan shelf	ND	NA	NA
CAT423-1ST-ASB-67	34	First Floor, Water and Sewage Lab	Fume hood	Tan shelf	ND	NA	NA
CAT423-1ST-ASB-68	35	First Floor, Garage	Brick wall	Grey mortar	ND	NA	NA
CAT423-1ST-ASB-69	35	First Floor, Garage	Brick wall	Grey mortar	ND	NA	NA
CAT423-1ST-ASB-70	36	First Floor, Garage	Door	Grey glazing	NA	IND	ND
CAT423-1ST-ASB-71	36	First Floor, Garage	Door	Grey glazing	NA	IND	ND
CAT423-1ST-ASB-72	37	First Floor, Garage	Door panel	Black gasket	NA	IND	ND
CAT423-1ST-ASB-73	37	First Floor, Garage	Door panel	Black gasket	NA	IND	ND
CAT423-1ST-ASB-74	38	First Floor, Garage	Floor joint	Green caulk	NA	IND	ND
CAT423-1ST-ASB-75	38	First Floor, Garage	Floor joint	Green caulk	NA	IND	ND
CAT423-1ST-ASB-76	39	First Floor, Garage	Base of wall	Yellow caulk	NA	IND	ND

Table 4
Summary of Asbestos Analysis
Kensico Laboratory
Contract CAT-423

Sample ID	HMG	Area	Sample Location	Material Description	A	Analytical Resu	lts (%)
					PLM	PLM-NOB	TEM
CAT423-1ST-ASB-77	39	First Floor, Garage	Base of wall	Yellow caulk	NA	IND	ND
CAT423-EXT-ASB-78	40	Exterior, North Wall	Base of stone wall	Grey mortar	ND	NA	NA
CAT423-EXT-ASB-79	40	Exterior, South Wall	Base of stone wall	Grey mortar	ND	NA	NA
CAT423-EXT-ASB-80	41	Exterior, North Wall	Upper brick wall	Tan mortar	ND	NA	NA
CAT423-EXT-ASB-81	41	Exterior, North Wall	Upper brick wall	Tan mortar	ND	NA	NA
CAT423-EXT-ASB-82	42	Exterior, North Wall	Base of wall	Black tar	NA	IND	ND
CAT423-EXT-ASB-83	42	Exterior, South Wall	Base of wall	Black tar	NA	IND	ND
CAT423-EXT-ASB-84	43	Exterior, South Wall	Around vent	White caulk	NA	2.3	NA
CAT423-EXT-ASB-85	43	Exterior, South Wall	Around vent	White caulk	NA	NA	NA
CAT423-EXT-ASB-86	44	Exterior, North Wall	Entrance curb	Black expansion joint	ND	NA	NA
CAT423-EXT-ASB-87	44	Exterior, North Wall	Entrance curb	Black expansion joint	ND	NA	NA
CAT423-BASE-ASB-88	45	Basement, Crawl Space	Base of wall	Black tar	NA	IND	ND
CAT423-BASE-ASB-89	45	Basement, Crawl Space	Base of wall	Black tar	NA	IND	ND
CAT423-BASE-ASB-90	46	Basement, Crawl Space	Floor	Top 1" of soil	ND	NA	NA
CAT423-BASE-ASB-91	46	Basement, Crawl Space	Floor	Top 1" of soil	ND	NA	NA
CAT423-BASE-ASB-92	47	Basement, Crawl Space	Pipe	Red 6" gasket	NA	IND	ND
CAT423-BASE-ASB-93	47	Basement, Crawl Space	Pipe	Red 6" gasket	NA	IND	ND
CAT423-BASE-ASB-94	48	Basement, Crawl Space	Pipe	Brown 4" gasket	80	NA	NA
CAT423-BASE-ASB-95	48	Basement, Crawl Space	Pipe	Brown 4" gasket	NA	NA	NA
CAT423-BASE-ASB-96	49	Basement, Crawl Space	Drain pipe	Grey joint packing	NA	IND	ND
CAT423-BASE-ASB-97	49	Basement, Crawl Space	Drain pipe	Grey joint packing	NA	IND	ND

Table 4 Summary of Asbestos Analysis Kensico Laboratory Contract CAT-423

Notes:

- (1) Samples collected by Bidwell Environmental in December, 2017 and January, 2018.
- (2) Materials containing more than 1% asbestos are considered asbestos containing materials.

 Items in bold are asbestos containing materials. While the removal of materials containing trace levels of asbestos is not regulated, it is recommended that the work be performed in accordance with minimum safe work practices.
- ^a Samples collected in January, 2004.
- ^b Samples collected in September, 2004.
- ^c Samples collected by URS in October, 2004 for the Facility-Specific Assessment Report.
- ^d Samples collected in February, 2006.
- ^e Samples collected in August, 2006.
- f Samples collected in September, 2006.
- ^g Samples collected in November, 2006.
- ^h Samples collected in December, 2007.
- ⁱ Samples collected in February, 2008.
- ^j- Samples collected in October, 2008.
- ^k Samples collected in August, 2013.
- ¹- Samples collected in February, 2004.

HMG - Homogenous Materials Group

ND - Not Detected

NA - Not Analyzed

IND - Inconclusive None Detected

Summary of Confirmed Hazardous Materials for the Attic Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Silver paint	Frame work	Lead-based, PCB-containing	CAT423-ATT-PC-07
Yellow over silver paint	Framework	Lead-containing	CAT423-ATT-PC-08
Black paint	Duct work	Lead containing, PCB-containing	264428.02
Lead packing	Drain piping	Lead joints (23 locations)	

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black gasket	Inside HVAC unit	02130802-07E	88 linear ft	Damaged	Non-friable
Black residual mastic	HVAC duct	02130802-10E,11E,12E	Approx. 275 spots (2x2 in)	Damaged	Non-friable
			on 750 ft ² of duct work		

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.

Summary of Confirmed Hazardous Materials for the Second Floor, Library and Conference Room (Microbiology Office) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Blue over beige paint	Walls	Lead-based, PCB-containing	CAT423-2ND-PC-01
Grey vinyl covebase	Walls	Lead-containing	CAT423-2ND-PB-01
Beige paint	Walls	Lead-containing	264428.04
Beige paint	Ceiling	Lead-containing, PCB-containing	191-19-LCP-01
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	46 ft ² (2 radiators)	Good	Non-friable
Grey caulk around frame	Windows	1, 2, 3	55 linear ft (2 windows)	Good	Non-friable
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	8, 4 ft bulbs	Universal waste
Ballasts	Ceiling	4 ballasts	Non-hazardous regulated waste (no PCBs)

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Drafting Room (Administration Office) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Ceiling	Lead-containing, PCB-containing	264428.05
Blue over beige paint	Walls	Lead-based, PCB-containing	CAT423-2ND-PC-01
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	70 ft ² (3 radiators)	Good	Non-friable
Grey caulk around frame	Windows	1, 2, 3	82 linear ft (3 windows)	Good	Non-friable
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	14, 8 ft bulbs	Universal waste
Ballasts	Ceiling	7 ballasts	Non-hazardous regulated waste (no PCBs)

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Hallway Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Green paint	Walls	Lead-containing, PCB-containing	CAT423-2ND-PC-02
Beige paint	Ceiling	Lead-containing, PCB-containing	191-19-LCP-01
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Exit/Emergency light	Above door	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Lunch Room Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Ceiling	Lead-containing, PCB-containing	264428.03
Beige paint	Walls	Lead-containing	264428.04
Green paint	Walls	Lead-containing, PCB-containing	CAT423-2ND-PC-02
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiator	CAT423-2ND-ASB-28,29	23 ft ² (1 radiator)	Good	Non-friable
Grey caulk around frame	Window	1, 2, 3	28 linear ft (1 window)	Good	Non-friable
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent lights	Ceiling	4, 4ft bulbs	Universal waste
Ballasts	Ceiling	2	Non-hazardous regulated waste (no PCBs)
Fire extinguisher	Wall	1	Regulated waste

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Women's Restroom Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03
White paint	Ceiling	Lead-containing, PCB-containing	264428.03
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiator	CAT423-2ND-ASB-28,29	23 ft ² (1 location)	Good	Non-friable
Black caulk	Radiator	CAT423-2ND-ASB-26,27	3.5 linear ft (1 location)	Good	Non-friable
Grey caulk	Window	1, 2, 3	28 linear ft (1 location)	Good	Non-friable
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	2, 4ft bulbs	Universal waste
Ballast	Ceiling	1	Non-hazardous regulated waste (no PCBs)

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Watershed Division Engineer's Office (Directors Office) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Beige over blue paint	Walls	Lead-containing, PCB-containing	CAT423-2ND-PC-04
Yellow paint	Closet walls	Lead-containing, PCB-containing	CAT423-2ND-PC-05
Blue paint	Walls above suspended ceiling	Lead-containing, PCB-containing	CAT423-2ND-PC-01
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11
Grey vinyl covebase	Walls	Lead-containing	CAT423-2ND-PB-01

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	46 ft ² (2 locations)	Good	Non-friable
Grey caulk	Windows	1, 2, 3	55 linear ft (2 locations)	Good	Non-friable
Caulk behind door frame*	Door		40 linear ft (2 locations)	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	8, 4 ft bulbs	Universal waste
Ballast	Ceiling	4	Non-hazardous regulated waste (no PCBs)

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Watershed Office (Conference Room) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Beige paint	Ceiling	Lead-containing, PCB-containing	191-19-LCP-01
Blue over beige paint	Walls	Lead-based, PCB-containing	CAT423-2ND-PC-01
Grey vinyl covebase	Walls	Lead-containing	CAT423-2ND-PB-01
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	70 ft ² (3 locations)	Good	Non-friable
Grey caulk	Windows	1, 2, 3	83 linear ft (3 locations)	Good	Non-friable
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	16, 4 ft bulbs	Universal waste
Ballast	Ceiling	8	Non-hazardous regulated waste (no PCBs)

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing < 50 mg/kg or \geq 50 mg/kg PCBs are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Men's Restroom Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Sink drain pipe	Lead-containing, PCB-containing	CAT423-2ND-PC-03
White paint	Ceiling	Lead-containing, PCB-containing	264428.03
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiator	CAT423-2ND-ASB-28,29	23 ft ² (1 location)	Good	Non-friable
Black caulk	Radiator	CAT423-2ND-ASB-26,27	3.5 linear ft (1 location)	Good	Non-friable
Grey caulk	Windows	1, 2, 3	28 linear ft (1 location)	Good	Non-friable
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	2, 4 ft bulbs	Universal waste
Ballast	Ceiling	1	Non-hazardous regulated waste (no PCBs)

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing < 50 mg/kg or \geq 50 mg/kg PCBs are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Second Floor, Stairwell Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Black paint	Hand rail	Lead-based	CAT423-2ND-PC-06
White paint	Ceiling	Lead-containing, PCB-containing	264428.03
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiator	CAT423-2ND-ASB-28,29	23 ft ² (1 location)	Good	Non-friable
Grey caulk	Window	1, 2, 3	28 linear ft (1 location)	Good	Non-friable

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.

Summary of Confirmed Hazardous Materials for the First Floor, Entrance Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Black paint	Hand rail	Lead-based	CAT423-2ND-PC-06
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Grey caulk	Window	1, 2, 3	28 linear ft	Good	Non-friable
Black shielding	Radiator	CAT423-2ND-ASB-28,29	25 ft ²	Good	Non-friable
Brown wire wrap (presumed present)	Radiator	CAT423-1ST-ASB-38,39	5 linear ft	Good	Non-friable

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Exit sign/Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste
Fire extinguisher	Wall	1	Regulated waste

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.

Summary of Confirmed Hazardous Materials for the First Floor, Reagent and Media Prep Room (Autoclave and Bottle Washing) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03
Grey caulk	Windows	PCB-containing	CAT423-1ST-PCB-01
Lead packing	Drain pipes	Lead joints (4 locations)	

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	46 ft ² (2 locations)	Good	Non-friable
Brown wire wrap (presumed present)	Radiators	CAT423-1ST-ASB-38,39	9 linear ft (2 locations)	Good	Non-friable
Grey caulk	Windows	1, 2, 3	55 linear ft (2 locations)	Good	Non-friable
Black insulation spot coating	Duct work	30A, 31A, 44A	720 ft ²	Unknown	Unknown
Green 9x9" tile	Floor	NA*	500 ft ²	Good	Non-friable
Caulk behind door frame**	Door		20 linear ft	Unknown	Unknown
White insulation	Piping	0913040201E, 2E, 3E	28 linear ft	Good	Non-friable
White insulation	Piping	0913040201E, 2E, 3E	2 elbows	Good	Non-friable

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	4, 4 ft bulbs	Universal waste
		8, 8 ft bulbs	Universal waste
Ballasts	Ceiling	6	Non-hazardous regulated waste (no PCBs)
Fire extinguisher	Wall	1	Regulated waste
Exit/Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste

Summary of Confirmed Hazardous Materials for the First Floor, Reagent and Media Prep Room (Autoclave and Bottle Washing) Kensico Laboratory Contract CAT-423

Notes:

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Green floor tile confirmed ACM by NYCDEP Legacy Database.
- ** Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

NA - Not applicable

Summary of Confirmed Hazardous Materials for the First Floor, Sample Reception Room (Sample Log-in and Bottle Storage) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Grey/blue paint	Floor	Lead-containing	CAT423-1ST-PC-09
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Green glazed tile	Walls	Lead-containing	CAT423-1ST-PB-03
Grey caulk	Windows	PCB-containing	CAT423-1ST-PCB-01
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	46 ft ² (2 locations)	Good	Non-friable
Brown wire wrap (presumed presen	t) Radiators	CAT423-1ST-ASB-38,39	9 linear ft (2 locations)	Good	Non-friable
Grey caulk	Windows	1, 2, 3	28 linear ft (1 location)	Good	Non-friable
Green 9x9" tile	Floor	NA*	235 ft ²	Good	Non-friable
Black insulation spot coating	Duct work	30A, 31A , 44A	180 ft ²	Unknown	Unknown
Caulk behind door frame**	Door		20 linear ft	Unknown	Unknown
White insulation	Piping	0913040201E, 2E,3E	45 linear ft	Good	Non-friable
White insulation	Piping	0913040201E, 2E,3E	12 elbows	Good	Non-friable

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	6 bulbs	Universal waste
Ballasts	Ceiling	3	Non-hazardous regulated waste (no PCBs)
Exit/Emergency Light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste

Summary of Confirmed Hazardous Materials for the First Floor, Sample Reception Room (Sample Log-in and Bottle Storage) Kensico Laboratory Contract CAT-423

Notes:

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Green floor tile confirmed ACM by NYCDEP Legacy Database.
- ** Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

NA - Not Applicable

Summary of Confirmed Hazardous Materials for the First Floor, Water and Sewage Laboratory (Wet Chemistry Lab) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Grey caulk	Windows	PCB-containing	CAT423-1ST-PCB-01
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11
Black paint	Duct work	Lead-containing, PCB-containing	264428.02

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	70 ft ² (3 locations)	Good	Non-friable
Brown wire wrap	Radiators	CAT423-1ST-ASB-38,39	12 linear ft (3 locations)	Good	Non-friable
Grey caulk	Windows	1, 2, 3	82 linear ft (3 locations)	Good	Non-friable
Black insulation spot coating	Duct work	30A, 31A , 44A	660 ft ²	Unknown	Unknown
Green 9x9" tile	Floor	NA*	800 ft ²	Good	Non-friable
Caulk behind door frame**	Door		40 linear ft (2 locations)	Unknown	Unknown
White insulation	Piping	0913040201E, 2E, 3E	100 linear ft	Good	Non-friable
White insulation	Piping	0913040201E, 2E, 3E	20 elbows	Good	Non-friable

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	12, 8 ft bulbs	Universal waste
		4, 4 ft bulbs	Universal waste
Ballasts	Ceiling	8	Non-hazardous regulated waste (no PCBs)
Exit/Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste
Fire extinguishers	Wall	2	Regulated waste
Refrigerator***	Wall	1	Regulated waste

Summary of Confirmed Hazardous Materials for the First Floor, Water and Sewage Laboratory (Wet Chemistry Lab) Kensico Laboratory Contract CAT-423

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Green floor tile confirmed ACM by NYCDEP Legacy Database.
- ** Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).
- *** Refrigerator uses Freon 134a (1,1,1,2-Tetrafluoroethane) as a refrigerant.
- NA Not applicable

Summary of Confirmed Hazardous Materials for the First Floor, Physical Laboratory (Microbiology Lab) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Grey caulk	Windows	PCB-containing	CAT423-1ST-PCB-01
Green glazed tile	Walls	Lead-containing	CAT423-1ST-PB-03
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	70 ft ² (3 locations)	Good	Non-friable
Brown wire wrap	Radiators	CAT423-1ST-ASB-38,39	15 linear ft (3 locations)	Good	Non-friable
Black insulation spot coating	Duct work	30A, 31A , 44A	420 ft ²	Unknown	Unknown
Caulk behind door frame*	Door		20 linear ft	Unknown	Unknown

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	14, 8 ft bulbs	Universal waste
Ballasts	Ceiling	7	Non-hazardous regulated waste (no PCBs)
Exit/Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste
Fire extinguisher	Wall	1	Regulated waste
Refrigerator**	Wall	1	Regulated waste

Summary of Confirmed Hazardous Materials for the First Floor, Physical Laboratory (Microbiology Lab) Kensico Laboratory Contract CAT-423

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).
- ** Refrigerator uses Freon 134a (1,1,1,2-Tetrafluoroethane) as a refrigerant.

Summary of Confirmed Hazardous Materials for the First Floor, Dark Room (Storage) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black insulation spot coating	Duct work	30A, 31A , 44A	300 ft ²	Unknown	Unknown
Green 9x9" tile	Floor	NA*	86 ft ²	Good	Non-friable
Caulk behind door frame**	Door		20 linear ft	Unknown	Unknown

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent lights	Ceiling	2, 4 ft bulbs	Universal waste
Ballasts	Ceiling	1	Non-hazardous regulated waste (no PCBs)

Notes:

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing < 50 mg/kg or \geq 50 mg/kg PCBs are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Green floor tile confirmed to be ACM by NYCDEP Legacy Database.
- ** Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

NA - Not applicable

Summary of Confirmed Hazardous Materials for the First Floor, General Laboratory (Instrumentation) Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Grey caulk	Windows	PCB-containing	CAT423-1ST-PCB-01
Green glazed tile	Walls	Lead-containing	CAT423-1ST-PB-03
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11
Lead packing	Drain piping	Lead joints (7 locations)	

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	70 ft ² (3 locations)	Good	Non-friable
Brown wire wrap	Radiators	CAT423-1ST-ASB-38,39	15 linear ft (3 locations)	Good	Non-friable
Black insulation spot coating	Duct work	30A, 31A , 44A	540 ft ²	Unknown	Unknown
Green 9x9" tile	Floor	NA*	465 ft ²	Good	Non-friable
Caulk behind door frame**	Door		20 linear ft	Unknown	Unknown

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	12, 8 ft bulbs	Universal waste
Ballasts	Ceiling	6	Non-hazardous regulated waste (no PCBs)
Exit/Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste

Summary of Confirmed Hazardous Materials for the First Floor, General Laboratory (Instrumentation) Kensico Laboratory Contract CAT-423

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials. NA -Not applicable
- * Green floor tile confirmed ACM by NYCDEP Legacy Database.
- ** Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for First Floor, Offices Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
White paint	Ceiling	Lead-containing, PCB-containing	264428.07
Beige over green paint	Dividing wall	Lead-containing, PCB-containing	CAT423-1ST-PC-10
Green glazed tile	Wall	Lead-containing	CAT423-1ST-PB-03
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11
Grey caulk	Windows	PCB-containing	CAT423-1ST-PCB-01

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black shielding	Radiators	CAT423-2ND-ASB-28,29	46 ft ² (2 locations)	Good	Non-friable
Brown wire wrap	Radiators	CAT423-1ST-ASB-38,39	9 linear ft (2 locations)	Good	Non-friable
Grey caulk	Windows	1, 2, 3	55 linear ft (2 locations)	Good	Non-friable
Black insulation spot coating	Duct	30A, 31A , 44A	120 ft ²	Unknown	Unknown
Green 9x9" tile	Floor	NA*	300 ft ²	Good	Non-friable
Caulk behind door frame**	Door		40 linear ft (2 locations)	Unknown	Unknown
White insulation	Piping	0913040201E, 2E, 3E	48 linear ft	Good	Non-friable
White insulation	Piping	0913040201E, 2E, 3E	12 elbows	Good	Non-friable

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	6, 8 ft bulbs	Universal waste
		2, 4 ft bulbs	Universal waste
Ballasts	Ceiling	4	Non-hazardous regulated waste (no PCBs)
Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste

Summary of Confirmed Hazardous Materials for First Floor, Offices Kensico Laboratory Contract CAT-423

Notes:

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- * Green tile confirmed ACM by NYCDEP Legacy Database.
- ** Caulk is presumed to be present and asbestos containing. Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

NA - Not Applicable

Summary of Confirmed Hazardous Materials for the First Floor, Garage Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Green concrete	Floor	Lead-containing	CAT423-1ST-PC-16
Grey over red paint	Support beam	Lead-based	CAT423-1ST-PC-17

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Fluorescent bulbs	Ceiling	12, 8 ft bulbs	Universal waste
Ballasts	Ceiling	6	Non-hazardous regulated waste (no PCBs)
Refrigerators*	Wall	2	Regulated waste
Fire extinguishers	Wall	2	Regulated waste

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing < 50 mg/kg or \geq 50 mg/kg PCBs are considered PCB-containing or TSCA-regulated, respectively.
- (3) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Refrigerators uses Freon 134a (1,1,1,2-Tetrafluoroethane) as a refrigerant.

Summary of Confirmed Hazardous Materials for the Basement, Boiler Room Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Quantity	Sample ID
Black paint	Duct work	Lead-containing		191-01-LCP-01
Silver paint	Boiler	Lead-containing		191-01-LCP-02
White paint	Walls	Lead-based, PCB-containing		264428.08
Green paint	Floor	Lead-containing, PCB-containing		CAT423-BASE-PC-12
Green paint*	Pipes (2")	Lead-based, TSCA-regulated PCBs	60 linear ft	CAT423-BASE-PC-21
Yellow paint*	Pipes (2")	Lead-based, TSCA-regulated PCBs	60 linear ft	CAT423-BASE-PC-22
Grey/silver paint	Electrical panel	Lead-containing, PCB-containing		CAT423-BASE-PC-15
Black paint	Drain pipe	Lead-containing, PCB-containing		CAT423-BASE-PC-11
Grey caulk	Interior door	PCB-containing		CAT423-BASE-PCB-02
Lead packing	Drain pipes	Lead joints	36 locations	
Door closer oil	Door	PCB-containing		CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Grey caulk**	Interior door	191-06-01	20 linear ft	Good	Non-Friable
Grey caulk**	Exterior door	1, 2, 3	26 linear ft	Good	Non-Friable
Grey caulk	Window	1, 2, 3	22 linear ft	Good	Non-Friable
Transite arc panels***	Electrical panel		33 ft ² (3 locations)	Good	Non-Friable
Black tar	Floor	2E	4 ft ² (3 locations)	Damaged	Non-Friable
White insulation****	Pipe		11 linear ft (5 locations)	Damaged	Friable

Material Description	Location	Quantity	Waste Classification
Exit/Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste
Fire extinguisher	Wall	1	Regulated waste

Summary of Confirmed Hazardous Materials for the Basement, Boiler Room Kensico Laboratory Contract CAT-423

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Paint is in poor condition.
- ** Caulk is presumed to be present under the entire steel frame (approx. 8" wide).
- *** Item is presumed to be present and asbestos containing.
- **** Insulation extends through the wall into the Basement, Storage Room and is presumed asbestos containing.

Summary of Confirmed Hazardous Materials for the Basement, Hallway Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Quantity	Sample ID
Brown paint	Drain pipe (4")	Lead-based, TSCA-regulated PCBs	15 linear ft	CAT423-BASE-PC-19
Blue paint	Pipe	Lead-based, PCB-containing		CAT423-BASE-PC-20
White paint	Walls	Lead-based, PCB-containing		CAT423-1ST-PC-13
Grey/blue paint	Floor	Lead-containing		CAT423-1ST-PC-09
Lead packing	Drain pipes	Lead joints	7 locations	

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black tar	Floor	2E	2 ft ²	Damaged	Non-friable

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Exit/Emergency light	Wall	2 bulbs	Universal waste
		1 circuit board	Electronic waste
		1 lead battery	Universal waste
Fire extinguisher	Wall	1	Regulated waste

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing $< 50 \text{ mg/kg or } \ge 50 \text{ mg/kg PCBs}$ are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.

Summary of Confirmed Hazardous Materials for the Basement, Crawlspace Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Quantity	Sample ID
Black paint*	Drain pipe	Lead-based, TSCA-regulated PCBs	28 linear ft	CAT423-BASE-PC-18
Brown paint*	Drain pipe	Lead-based, TSCA-regulated PCBs	286 linear ft	CAT423-BASE-PC-19
Green paint*	Pipe	Lead-based, TSCA-regulated PCBs	110 linear ft	CAT423-BASE-PC-21
Yellow paint*	Pipe	Lead-based, TSCA-regulated PCBs	88 linear ft (2 pipes)	CAT423-BASE-PC-22
Blue paint*	Pipe	Lead-based, PCB-containing		CAT423-BASE-PC-20
Lead packing	Drain pipes	Lead joints	143 locations	

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Brown 4" gasket	Pipe	CAT423-BASE-ASB-94,95	3.5 ft ² (7 locations)	Damaged	Non-friable

Universal and other Miscellaneous Wastes

Material Description	Location	Quantity	Waste Classification
Chemical waste tank	Crawlspace	1	Mercury and reactive hazardous waste**

Notes:

- (1) Materials containing < 5,000 mg/kg or ≥ 5,000 mg/kg lead are considered lead-containing or lead-based, respectively.
- (2) Materials containing < 50 mg/kg or \geq 50 mg/kg PCBs are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Paints are in poor condition.
- ** Contents of chemical waste tank were not investigated during survey.

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Summary of Confirmed Hazardous Materials for the Basement, Storage Room Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Quantity	Sample ID
Black paint*	Drain pipe (4")	Lead-based, TSCA-regulated PCBs	38 linear ft	CAT423-BASE-PC-18
Brown paint*	Drain pipe (4")	Lead-based, TSCA-regulated PCBs	13 linear ft	CAT423-BASE-PC-19
Green paint*	Pipe (2")	Lead-based, TSCA-regulated PCBs	20 linear ft	CAT423-BASE-PC-21
Yellow paint*	Pipe (2")	Lead-based, TSCA-regulated PCBs	38 linear ft	CAT423-BASE-PC-22
White paint	Ceiling	Lead-based, PCB-containing		CAT423-BASE-PC-13
Blue paint*	Pipe	Lead-based, PCB-containing		CAT423-BASE-PC-20
Beige paint	Walls	Lead-based, PCB-containing		CAT423-BASE-PC-14
Green paint	Floor	Lead-containing, PCB-containing		CAT423-BASE-PC-12
Lead packing	Drain pipes	Lead joints	23 locations	
Door closer oil	Door	PCB-containing		CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black tar coating	Floor	2E	4 ft ²	Damaged	Non-friable
Grey caulk**	Interior door	191-06-01	16 linear ft	Good	Non-friable
Grey caulk**	Exterior door	1, 2, 3	20 linear ft	Good	Non-friable

- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing < 50 mg/kg or \geq 50 mg/kg PCBs are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Paints are in poor condition.
- ** Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

Summary of Confirmed Hazardous Materials for the Basement, Electrical Room Kensico Laboratory Contract CAT-423

Lead and PCBs

Material Description	Location	Hazard	Sample ID
Beige paint	Wall/ceiling	Lead-based, PCB-containing	CAT423-BASE-PC-14
Grey/blue paint	Floor	Lead-containing	CAT423-1ST-PC-09
Grey/silver paint	Electrical panels	Lead-containing, PCB-containing	CAT423-BASE-PC-15
Door closer oil	Door	PCB-containing	CAT423-1ST-PCB-11

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Transite arc panels*	Electrical panels		20 ft ² (2 locations)	Unknown	Unknown
Grey caulk**	Door	191-06-01	20 linear ft	Good	Non-friable

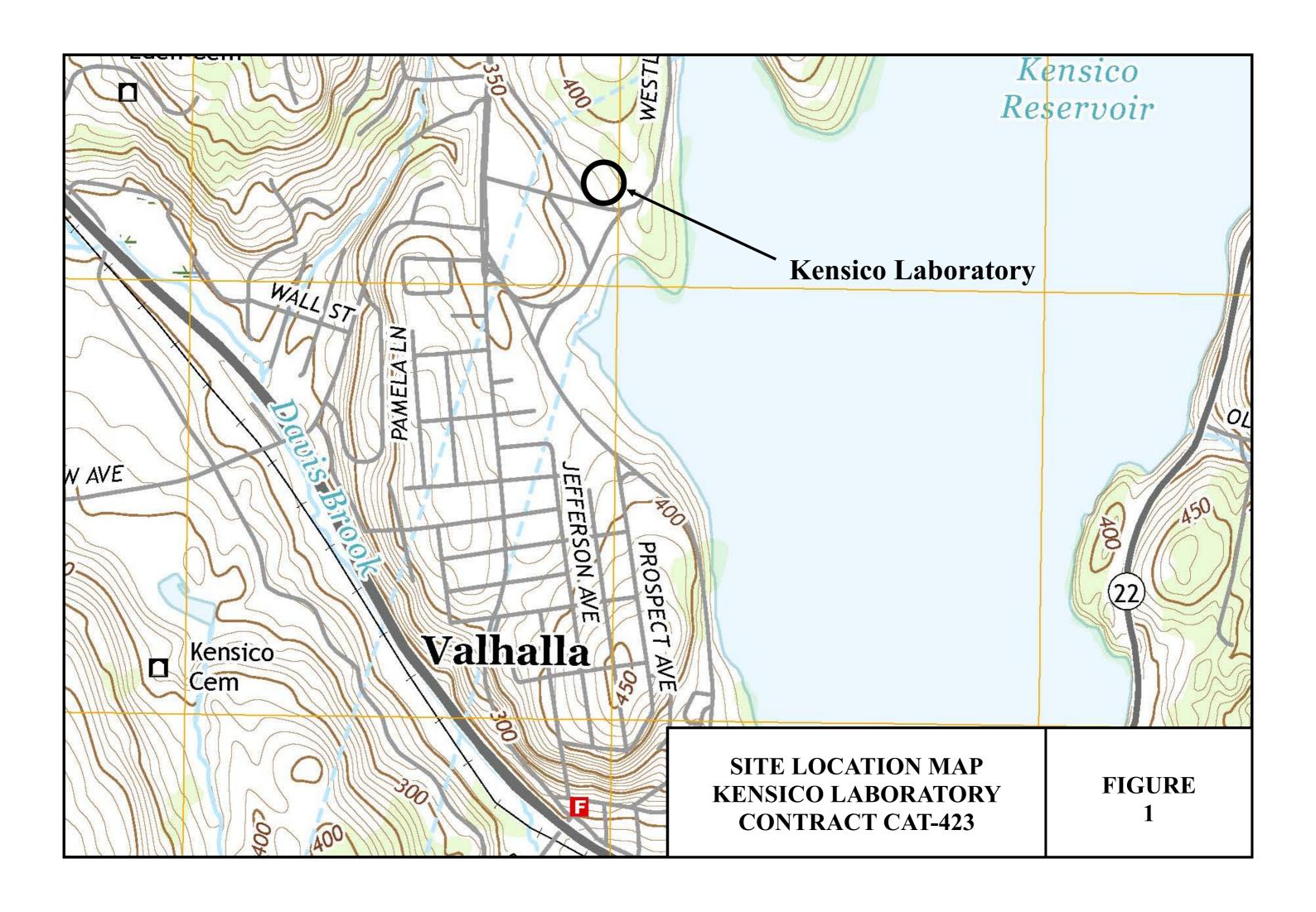
- (1) Materials containing $< 5,000 \text{ mg/kg or } \ge 5,000 \text{ mg/kg lead}$ are considered lead-containing or lead-based, respectively.
- (2) Materials containing < 50 mg/kg or \geq 50 mg/kg PCBs are considered PCB-containing or TSCA-regulated, respectively.
- (3) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (4) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.
- * Item is presumed to be present and asbestos containing.
- ** Caulk is presumed to be present under the entire steel frame (approx. 8" wide).

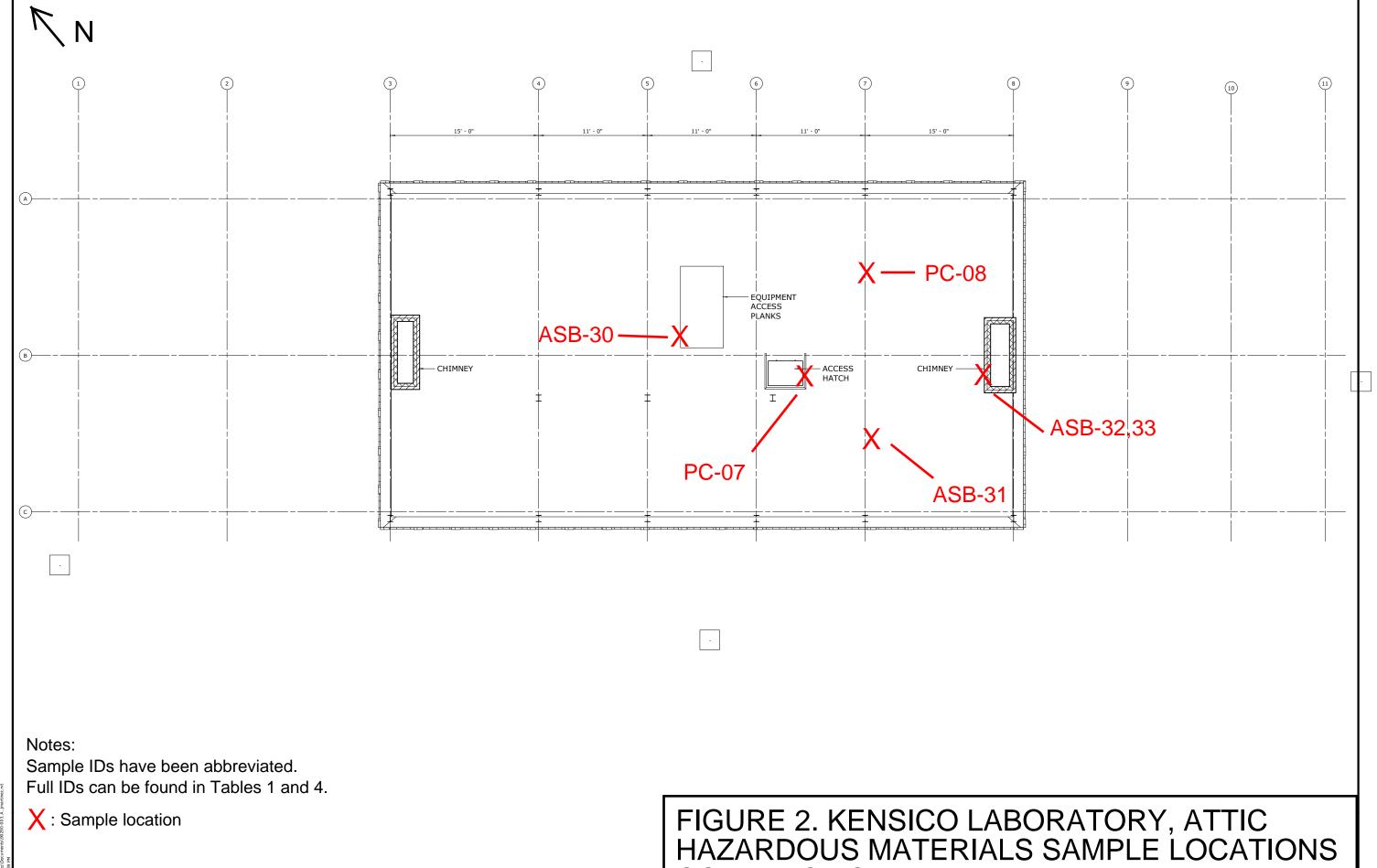
Summary of Confirmed Hazardous Materials for the Laboratory Exterior Kensico Laboratory Contract CAT-423

Asbestos

Material Description	Location	Sample ID	Quantity	Condition	Friability
Black membrane tar	Canopy over north wall entranceway	0821060213E	132 ft ²	Damaged	Non-friable
Black membrane tar	Canopy over south wall entranceway	0821060213E	132 ft ²	Damaged	Non-friable
White caulk	Vents	CAT423-EXT-ASB-84,85	18 linear ft (3 locations)	Significantly damaged	Non-friable

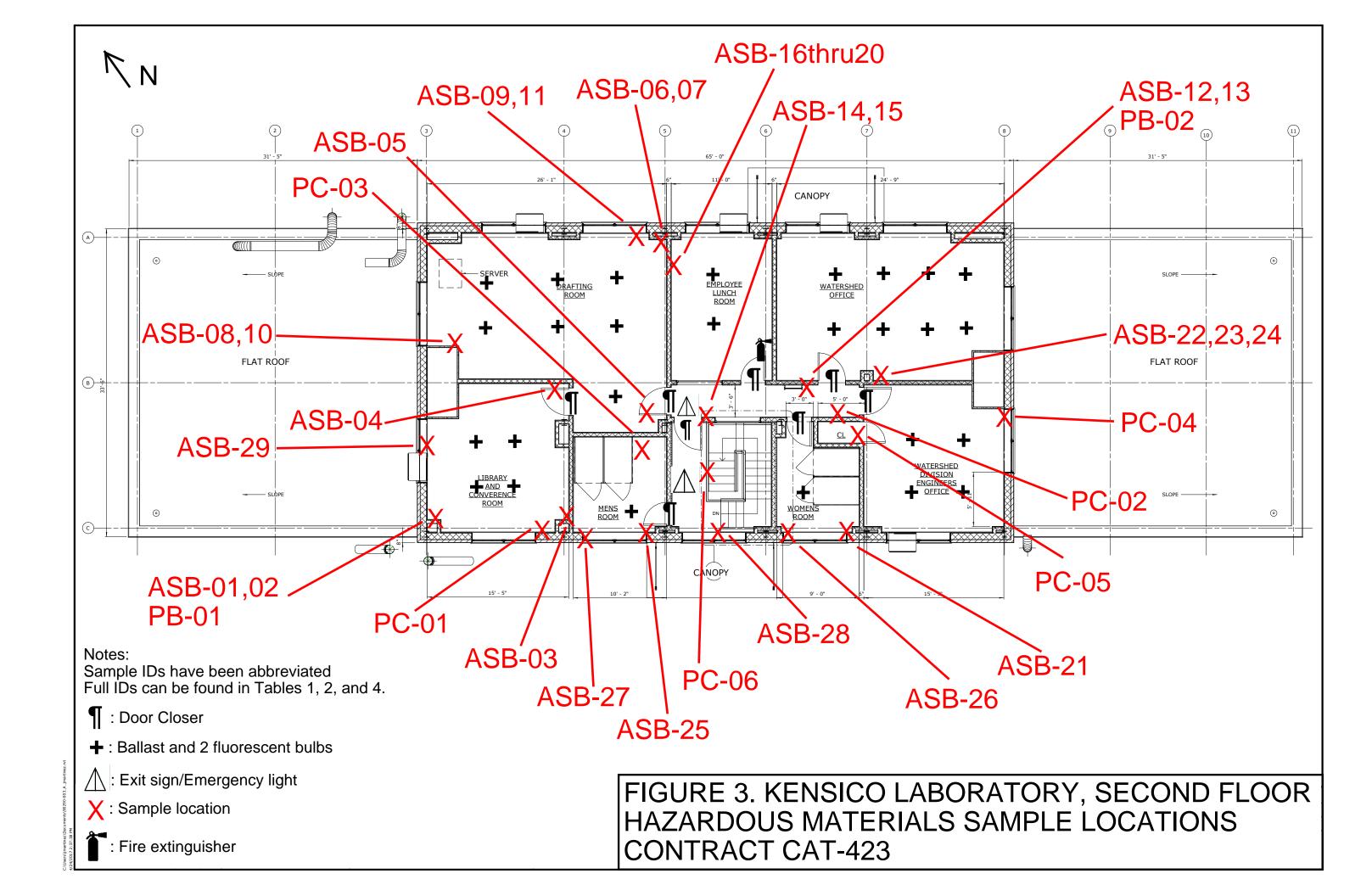
- (1) Materials containing more than 1% asbestos are considered asbestos containing materials.
- (2) Quantities are provided for asbestos containing materials, TSCA-regulated PCBs and universal and other regulated materials.

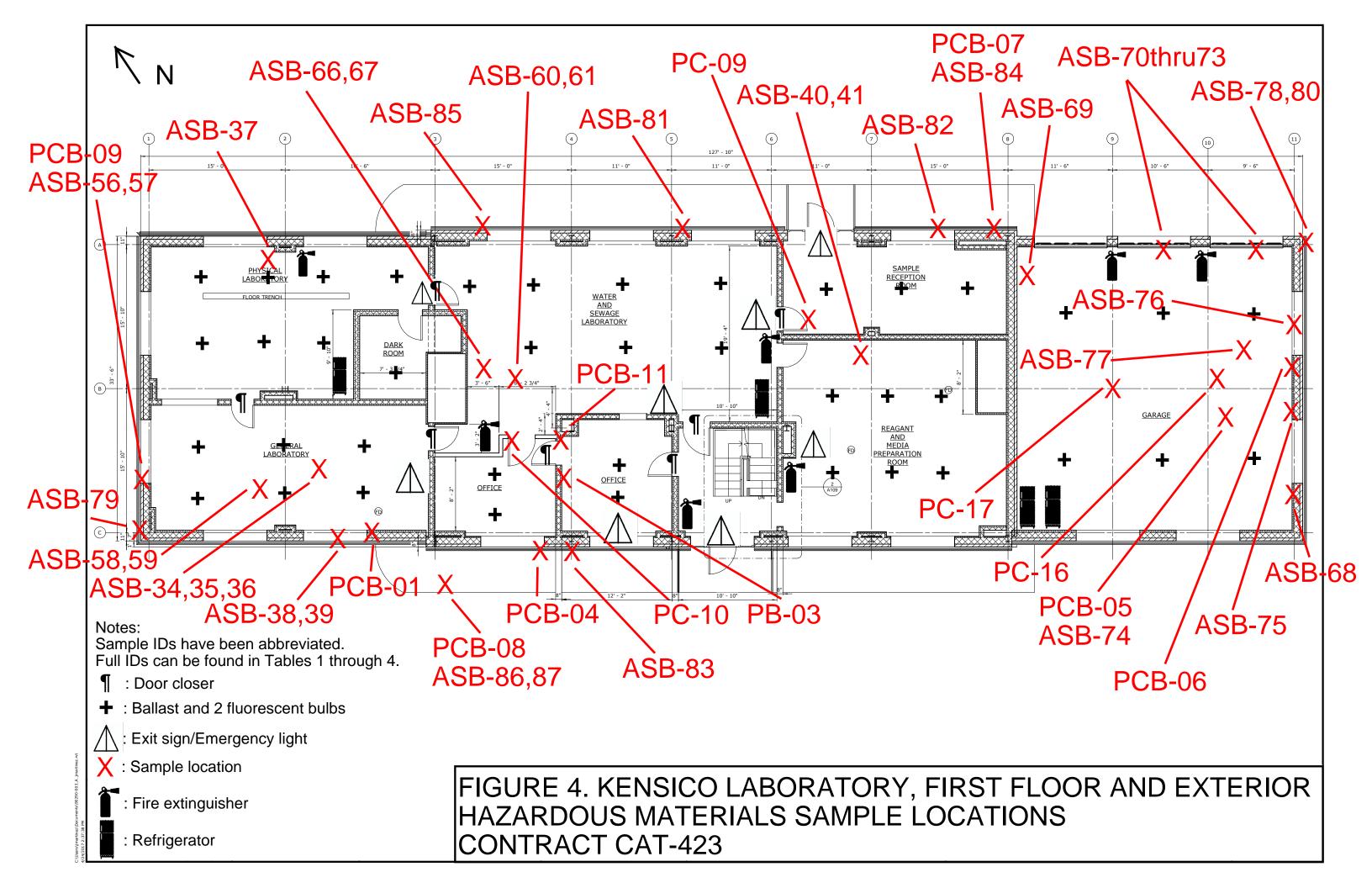


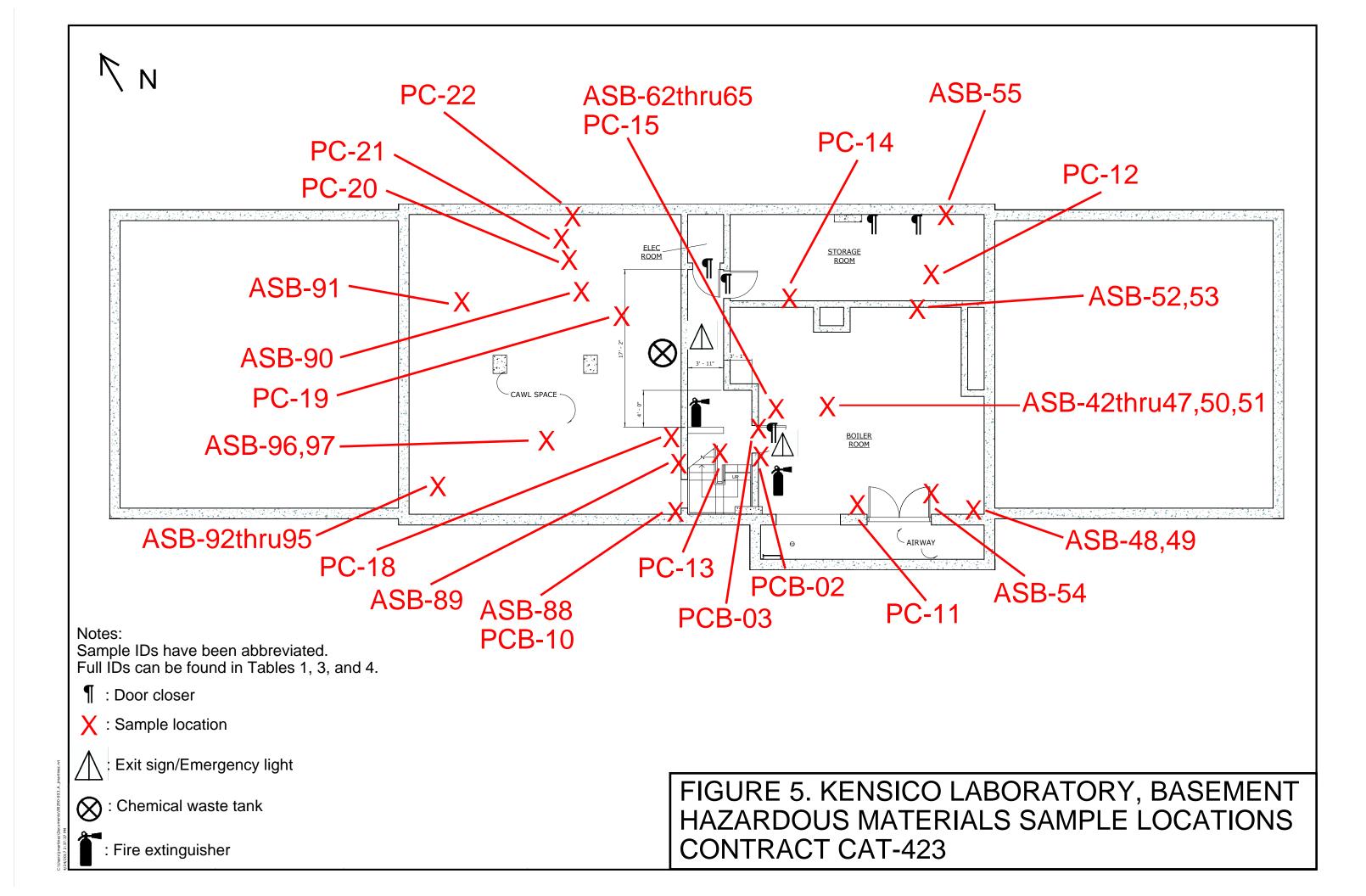


CONTRACT CAT-423

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ATTACHMENT A

Aqua Pro-Tech Laboratories Data Packages and NYS ELAP Certificates



Certified Environmental Testing

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 7120638

Bidwell Environmental

Project: CAT-423

Brian Wood Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or State specific certifications as applicable.



Analytical Results Summary CAT-423 7120638-01 (Paint Chips)

CAT423-2nd-PC-01

Collected 12/18/2017 07:25

Received 12/20/2017 15:50

Contact Michael Wellock

	12/10/2017 07.2		2/20/2017 13:30		ilaei Well	oon.		
Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry	Wethou	Frepared	Allalyzeu	Result	Quai	MDL	NL .	Ullits
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:05	9000			62.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0221	1.24	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0381	1.24	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0291	1.24	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0420	1.24	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0290	1.24	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/26/17 15:04	13.6	D	0.0441	1.24	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0326	1.24	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0478	1.24	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/26/17 15:04	ND	U	0.0250	1.24	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/26/17 15:04	13.6	D	0.0221	1.24	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

 $\ensuremath{\mathsf{B}}$ - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



CAT-423 7120638-02 (Solid)

CAT423-2nd-PB-01

Collected 12/18/2017 07:25

Received 12/20/2017 15:50

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:09	6.91			1.25	mg/kg dry

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

H - Indicates a Hold Time violation



CAT-423 7120638-03 (Solid)

CAT423-2nd-PB-02

Collected 12/18/2017 09:30

Received 12/20/2017 15:50

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:13	ND			1.25	mg/kg dry

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

H - Indicates a Hold Time violation



Analytical Results Summary CAT-423 7120638-04 (Paint Chips)

CAT423-2nd-PC-02

Collected 12/18/2017 09:27

Received 12/20/2017 15:50

Contact Michael Wellock

	.2.10,2011 00121	••				••••		
Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:17	2510			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/21/17 20:55	4.56		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/21/17 20:55	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/21/17 20:55	4.56		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-05 (Paint Chips)

CAT423-2nd-PC-03

Collected 12/18/2017 11:22

Received 12/20/2017 15:50

Contact Michael Wellock

	12/10/2017 11.		1/20/2017 13:30		ilaci vveli	oon		
Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:40	1400			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/21/17 21:21	2.14		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/21/17 21:21	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/21/17 21:21	2.14		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-06 (Paint Chips)

CAT423-2nd-PC-04

Collected 12/18/2017 11:30

Received 12/20/2017 15:50

Contact Michael Wellock

	12.13.23.1							
Lab Section/								<u></u>
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:25	1560			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/21/17 21:46	3.49		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/21/17 21:46	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/21/17 21:46	3.49		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-07 (Paint Chips)

CAT423-2nd-PC-05

Collected 12/18/2017 11:50

Received 12/20/2017 15:50

Contact Michael Wellock

	12/10/2017 11.		2/20/2017 15:50		ilaci vveli	oon		
Lab Section/								<u> </u>
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:28	2890			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/26/17 15:55	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/26/17 15:55	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/26/17 15:55	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/26/17 15:55	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/26/17 15:55	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/26/17 15:55	5.67		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/26/17 15:55	5.20		0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/26/17 15:55	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/26/17 15:55	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/26/17 15:55	10.9		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-08 (Paint Chips)

CAT423-2nd-PC-06

Collected 12/18/2017 12:18

Received 12/20/2017 15:50

Contact Michael Wellock

	12/10/2017 12.10		12/20/2017 15.50 Wilchael Wellock					
Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:43	38500			125	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/26/17 16:37	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

 $\ensuremath{\mathsf{B}}$ - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-09 (Paint Chips)

CAT423-ATT-PC-07

Collected 12/18/2017 14:16

Received 12/20/2017 15:50

Contact Michael Wellock

	12/10/2017 14.10	12/10/2017 14:10 12/20/2017 15:50 WIICHAEI WEHOCK						
Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 10:52	88000			1250	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/26/17 17:19	5.13		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/26/17 17:19	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/26/17 17:19	5.13		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-10 (Paint Chips)

CAT423-ATT-PC-08

Collected 12/18/2017 14:30

Received 12/20/2017 15:50

Contact Michael Wellock

	12/10/2017 14.		1720/2017 13:30		ilaci vveli	oon.		
Lab Section/	N. d d	Danasas	Analogad	D	01	MDI		11.24.
Analysis General Chemistry	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:21	268			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/26/17 18:01	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



CAT-423 7120638-11 (Solid)

CAT423-1st-PB-03

Collected 12/19/2017 07:30

Received 12/20/2017 15:50

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:25	50.4			12.5	mg/kg dry

- E Concentration exceeds highest calibration standard
- D Indicates result is based on a dilution
- P Greater than 25% diff. between 2 GC columns.
- H Indicates a Hold Time violation



Analytical Results Summary CAT-423 7120638-12 (Paint Chips)

CAT423-1st-PC-09

Collected 12/19/2017 10:30

Received 12/20/2017 15:50

Contact Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:27	35.8			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/27/17 22:47	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-13 (Paint Chips)

CAT423-1st-PC-10

Collected 12/19/2017 11:10

Received 12/20/2017 15:50

Contact Michael Wellock

	12/13/2017 11.	.•	2/20/2017 13:30		ilaci Well			
Lab Section/	Madhad	Dunnanad	Analysed	Decelle	Overl	MDI	DI	l laita
Analysis General Chemistry	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:30	15.1			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0221	1.24	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0381	1.24	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0291	1.24	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0420	1.24	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0290	1.24	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/28/17 23:27	14.5	D	0.0441	1.24	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0326	1.24	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0478	1.24	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/28/17 23:27	ND	U	0.0250	1.24	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/28/17 23:27	14.5	D	0.0221	1.24	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



CAT-423 7120638-14 (Solid)

CAT423-1st-PCB-01

Collected 12/19/2017 09:15

Received 12/20/2017 15:50

Contact Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:59	8.60			1.25	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	01/02/18 20:06	8.13		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	01/02/18 20:06	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	01/02/18 20:06	8.13		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-15 (Paint Chips)

CAT423-Base-PC-11

Collected 12/19/2017 13:12

Received 12/20/2017 15:50

Contact Michael Wellock

Lab Section/								<u> </u>
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:36	4720			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0221	1.24	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0381	1.24	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0291	1.24	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0420	1.24	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0290	1.24	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0441	1.24	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/28/17 23:01	30.6	D	0.0326	1.24	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0478	1.24	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/28/17 23:01	ND	U	0.0250	1.24	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/28/17 23:01	30.6	D	0.0221	1.24	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-16 (Paint Chips)

CAT423-Base-PC-12

Collected 12/19/2017 13:20

Received 12/20/2017 15:50

Contact Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:39	472			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/27/17 20:41	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/27/17 20:41	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/27/17 20:41	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/27/17 20:41	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/27/17 20:41	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/27/17 20:41	0.282		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/27/17 20:41	0.204	J	0.00941	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/27/17 20:41	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/27/17 20:41	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/27/17 20:41	0.485		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-17 (Paint Chips)

CAT423-Base-PC-13

Collected 12/19/2017 13:40

Received 12/20/2017 15:50

Contact
Michael Wellock

	12/19/2017 13:40	12	12/20/2017 15:50		maei vven			
Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:55	26800			125	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0221	1.24	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0381	1.24	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0291	1.24	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0420	1.24	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0290	1.24	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/29/17 00:44	20.7	D	0.0441	1.24	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0326	1.24	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0478	1.24	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/29/17 00:44	ND	U	0.0250	1.24	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/29/17 00:44	20.7	D	0.0221	1.24	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-18 (Paint Chips)

CAT423-Base-PC-14

Collected 12/19/2017 14:00

Received 12/20/2017 15:50

Contact Michael Wellock

	12/19/2017 14:00	•.	2/20/2017 15.50	WIIC	ilaei vveli	OCK		
Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:47	5490			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/28/17 23:52	6.16		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/28/17 23:52	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/28/17 23:52	6.16		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 7120638-19 (Paint Chips)

CAT423-Base-PC-15

Collected 12/19/2017 14:20

Received 12/20/2017 15:50

Contact Michael Wellock

	12/13/2017 14.		1720/2017 13:30		ilaei Well			
Lab Section/					_			•
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
Total Metals								
Lead	SW 846 6010C	01/05/18 10:30	01/08/18 11:51	2810			12.5	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0221	1.24	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0381	1.24	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0291	1.24	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0420	1.24	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0290	1.24	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	12/29/17 18:46	22.0	D	0.0441	1.24	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0326	1.24	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0478	1.24	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	12/29/17 18:46	ND	U	0.0250	1.24	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	12/29/17 18:46	22.0	D	0.0221	1.24	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



CAT-423 7120638-20 (Solid) CAT423-EXT-PCB-04

Collected 12/19/2017 15:05

Received 12/20/2017 15:50

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry		opa. oa	7 <u>y</u> = 0 u	1100011	444			
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	01/03/18 18:11	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



CAT-423 7120638-21 (Solid)

CAT423-Base-PCB-02

Collected 12/19/2017 14:00

Received 12/20/2017 15:50

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0118	0.660	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0203	0.660	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0155	0.660	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0224	0.660	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0155	0.660	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	01/03/18 18:37	13.1	D	0.0235	0.660	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0174	0.660	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0255	0.660	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	01/03/18 18:37	ND	U	0.0133	0.660	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	01/03/18 18:37	13.1	D	0.0118	0.660	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



CAT-423 7120638-22 (Solid)

CAT423-Base-PCB-03

Collected 12/19/2017 14:00

Received 12/20/2017 15:50

Contact
Michael Wellock

Lab Castian/								
Lab Section/	Mathad	D	A a li a d	Dooule	0	MDI	DI.	Haita
Analysis General Chemistry	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
Percent Solids	Gravimetric	12/20/17 18:35	12/20/17 18:36	100				%
PCBs								
Aroclor-1016	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	12/21/17 10:17	01/02/18 21:23	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

APL 7120638		OLIAINI O	F 0110	TODY						7
AQUA PRO-TECH LABORATORIES	CLIENT: BIOL (T)	CHAIN O	- I		TO.				PAGE / OF	
	DIVWELL			REPORT					APL STANDARD 2 weeks	THAIE
www.aquaprotechlabs.com	ADDRESS: 1353 KI		ADDF	RESS:	SF	ME			RUSH (choose one below) 24 hr. date & time required	
FAIRFIELD, NEW JERSEY 07004	SUGARLOAF, NY	10981							48 hr. date & time required	
TEL: 973.227.0422	4645 BI	3993	PHON						1 week	
FAX: 973.227.2813	E-MAIL: MUEURUKO	BIDINEIL	FAX:	LONDE	NTAL	6	<u></u>		REPORT FORMAT	ELECTRONIC FORMA
	PROJECT NAME:	1.03	SEND	INVOICE	TO:	ANE		100	RESULTS ONLY NJ DEP REDUCED	EMAIL DELIVER HAZSITE EDD
CONTAMINATION LEVEL	PROJECT MGR: MCUA	El lasci	ADDF	RESS:		110	-		NJ DEP FULL STATE FORMS/E2 REPORTING	EXCEL SRP#
HIGH MEDIUM LOW	PROJECT or PO #:	AC OVEL	SAME	PLED BY:			(A)		PWSID#	SHF#
MATRIX ABBREVIATION	IS: D - DRINKING WATER G - (GROUNDWATE	R W-W	/ASTEWA	TER :	S - SOI	L SL-SL	UDGE	C - CONCRETE L - LAKE	
ADI Lab ID#	Sample Source:			Sample Type						
APL Lab ID#	Field ID	Date	Time	G C O M	R	No. of Bottles	Preservative		Analysis Requeste	d
7120638-01 0	4T423-2ND-PC-01	17/18/17	7-15	×	P	1	/	15	200 - 11	1)
			*		-	-			D, PCBs CSOXH	eD
	T423-2ND-PB-01	12/18/17	7:25	×	CB	L		LE	47)	
	T423-ZND-PB-02	12/18/17	9:30	X	CB	1	/	LE	AD	
-OU CA	T423-2nd-PC-02	12/18/17	9:27	X	P	1		Lead	1, PCBs (Soxh	<i>let</i>)
15 CA	7423-2nd-PC-03	12/18/17	11:22	X	P	1	/		PCBS (SOXHI	
-06 CA	1423-211-PC-04	12/18/17	1:30	X	P	1			, PCBs C Soxhlet	
D CAT	1923-2nd-PC-05	12/18/17	11:50	X	P	1	/	//	PCBs (Soxhlet)	
Of CAT		12/18/17	2:28	X	P	1	/	Lead	PCBs (Soxhlet)
-09 CA7	7423-ATT-PC-07	12/18/17	1416	X	P	1		Lead	,PCBs (soxhlet)
RELINQUISHED BY (Print) MICHAEL	WELLOCK D	ATE 12/20/1.	1 REC	EIVED BY	(Print)	322	- Selv	1001	~6~	
Signature 7 MAS Signature	Ti	ime /325		ature (/				
110		ATE/Z/ZO//		EIVED BY	(Print)	Ca	w 06	Me		
RELINQUISHED BY (Print)		ime /550 ATE	Signa		(Duint)	-				
Signature		me	Signa	EIVED BY	(Print)					
CB - COVE			2.3.10							
P-Point	Chip		Coole	r Temp. upo	n receip	t at lab		7.8	, o	***)

APL		CHAIN OF						PAGE 2 OF 3
AQUA PRO-TECH LABORATORII	ES CLIENT: BIDLEU	A CONTRACTOR OF THE CONTRACTOR	SENE	REPORT	TO:			TURN-AROUND TIME APL STANDARD 2 weeks
www.aquaprotechlabs.com	ADDRESS 1353 KIN	r_e 111.	ADDF	ADDRESS: SAME				RUSH (choose one below)
1275 BLOOMFIELD AVENUE • BUILDING	6		144-1	JAN XXXX				24 hr. date & time required 48 hr. date & time required
FAIRFIELD, NEW JERSEY 07004	SULAR LOAF, NY	110981	PHOI	NE.				72 hr. date & time required
TEL: 973.227.0422	845 610 3	993		NC.				1 week
FAX: 973.227.2813	E-MAIL: HAVE LLOC	42B	FAX:					REPORT FORMAT ELECTRONIC FORMA RESULTS ONLY EMAIL DELIVER
	PROJECT NAME:		SEND	INVOICE 7	ГО: 5	AL	1E	NJ DEP REDUCED HAZSITE EDD
CONTAMINATION LEVEL	PROJECT MGR: /		ADDF	RESS:		1 \		NJ DEP FULL EXCEL STATE FORMS/E2 REPORTING SRP#
HIGH MEDIUM LOW	DDO IECT or DO #:	ECHEL		PLED BY:				PWSID#
MATRIX ABBREVIATI	IONS: D - DRINKING WATER G - (GROUNDWATE	R W-V	VASTEWAT	ER :	S - SOI	L SL-SL	UDGE C - CONCRETE L - LAKE
APL Lab ID#	Sample Source: Field ID	Date	Time	Sample Type G C R O A M B P	A T R I X	No. of Bottles	Preservative	Analysis Requested
7120638-10	CAT423-ATT-PC-08	12-18-17	1430	X	P	1	_	Lead, PCBs (Soxhlet)
-11	CAT 423-15+-PB-03	12-19-17	0730	X	91	1	-	Lead
-12	CAT423-15+-PC-09	12-19-17	1030	X	P	1	_	Lead, PCBs (SOXhlet)
-13	AT423-15+-PC-10	12-19-17	1110	X	P	1		Lead, PCBs (Soxhlet)
-14 0	LAT423-1ST-PCB-01	12/19/17	9:15	\ \tag{\tau}	C	1	_	PCBs (sollet)
-15	CAT423-Base-Pc-11	12/19/17	13/2	X	P	1	_	Lead, PCBs (Soxhlet)
-16	CAT423-Base-PC-12	12/19/17	1320	X	P	1	_	Lead, PCBs (Soxhlet)
17	CAT423-Base-PC-13	12/19/17	1340	X	P	1	of the same of the	Lead, PCBs (Coxhlet)
-18	AT423-Base-PC-14	12/19/17	1400	X	P		_	Lead, Mind PCBs (Sexhlet)
RELINQUISHED BY (Print) MICHAE	El infulle [DATE / 2/20/	17 REC	EIVED BY	(Print)	Gir	2 School	eymen
Signature MMM	T	ime (325	Sign	nature &	52	1	1	7,
RELINQUISHED BY (Print)	hneymon	DATE 12/201			(Print)			
Signature Gr. Sa		ime /550	-	ature	1	7		
RELINQUISHED BY (Print)		ATE		EIVED BY	(Print)			
Signature	1 01:0	ime	Sign	ature				
COMMENTS/SPECIAL INSTRUCTIONS $\rho = \rho_{aint}$ 91 = Gloze			Coole	er Temp. upo	n recei _l	pt at lab		2.8°c

CERTIFICATIONS: NELAP (National Environmental Laboratory Accredation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634 CTPH #0233 US ARMY By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples

APL		CHAIN OF	CUSTO	YC					PAGE_3_OF_	3
AQUA PRO-TECH LABORATORI	ES CLIENT: BIDWELL		SEND REP	ORT TO	D:				TURN-AROUND	ГІМЕ
www.aquaprotechlabs.com	ADDDEGG		ADDRESS:		<	, .			RUSH (choose one below)	
1275 BLOOMFIELD AVENUE • BUILDING	6	UCS MIGNIL	YAT			7	12	-	24 hr. date & time required	
FAIRFIELD, NEW JERSEY 07004	SUGAR LOAF MY	10981	BUILDINE						48 hr. date & time required 72 hr. date & time required	
TEL: 973.227.0422	PHONE: 845 610 39	93	PHONE:					9	1 week	
FAX: 973.227.2813	E-MAIL: MWEUOC PROJECT NAME:	1-00 BIDI	FAX:	15 / 14	Da.	15	ENTA!	100	REPORT FORMAT	ELECTRONIC FORMAT
	PROJECT NAME:	22	SEND INVO	OICE TO):	1/11	Jo 1110	- Cert	RESULTS ONLY NJ DEP REDUCED	EMAIL DELIVERY HAZSITE EDD
	DDO JECT MCD:		ADDRESS:		0				NJ DEP FULL	EXCEL
CONTAMINATION LEVEL	PROJECT MIGH. PROJECT or PO #:	melloc	A CAMPIED	D\/) f	14	C		STATE FORMS/E2 REPORTING PWSID#	SRP#
HIGH MEDIUM LOW	PROJECT or PO #:		SAMPLED	BY:					rwsiu#	
MATRIX ABBREVIAT	IONS: D - DRINKING WATER G -	GROUNDWATER	W - WASTE	WATE	R S	- SOI	L SL-SL	UDGE	C - CONCRETE L - LAKE	
ADL Lab ID#	Sample Source:			e Type	M A	No. of				
APL Lab ID#	Field ID	Date T	ime §	Ŏ M	Ř	Bottles	Preservative		Analysis Requested	d
2120 201 10	0.1-12-	1. 1 1 - 11	1 B	V	^	,			1 15 (11	4.0
	CAT 423-Base-PC-15		2	Х	P	l		Lead	, PCBs (Soxhle	+)
-20	AT423-EXT-PCB-04	12/19/17 15	505	X	CIK	1		PCE	3s (Soxhlet)	
	CAT 423 EXT -PCB-03	12/19/12 15	1:0044	X	_	1		20	s (soxhlet)	
				/ (160	S CSOXNICT)	
-21	(AT 423-BASE-PLB-02	12/19/17/	14:00 x		Cik	1		PC	bs (soxhlet)	
-22	CAT423 - BASE-PUB-D	3 12/19/17/14	4:00 X		T)		R/	BS (soxblet)	
								V CV	12 CSCXWOO	
					-				-	
								TOTAL STATE OF THE		
RELINQUISHED BY (Print) MICH	AEL me work	DATE 17/76/17	RECEIVED	BY (P	rint	7	Schn	1		
Signature / CAM		ime (375	Signature		,	7	CVVI	900		
RELINQUISHED BY (Print) Grey Sc	hneumen	DATE 12/20/17			ript	1	2			
Signature S.S.	/	ime 1550	Signature			1	//			
RELINQUISHED BY (Print)		DATE	RECEIVED	BY (P	rint)					
Signature		ime	Signature				Washington March			
COMMENTS/SPECIAL INSTRUCTIONS $\rho = \rho_c$	int chip									
comments/special instructions $P = P_C$	elk , TaTan		Cooler Temp	o. upon	receipt	at lab		2.	8°	



Certified Environmental Testing

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 8010735

Bidwell Environmental

Project: CAT-423

Brian Wood Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or State specific certifications as applicable.



Analytical Results Summary CAT-423 8010735-01 (Paint Chips)

CAT423-1ST-PC-16

Collected 01/25/2018 09:00

Received 01/26/2018 14:30

Contact
Michael Wellock

	01/25/2016 09:00 01/26/2016 14:30		IVIIC					
Lab Section/								<u> </u>
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
Total Metals								
Lead	SW 846 6010C	02/10/18 09:15	02/12/18 14:34	40.3			2.50	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/01/18 17:55	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

 $\ensuremath{\mathsf{B}}$ - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-02 (Paint Chips)

CAT423-1ST-PC-17

Collected 01/25/2018 09:15

Received 01/26/2018 14:30

Contact
Michael Wellock

	01/25/2016 09:15	01/26/2016 14:30		MICHAEI WEHOCK				
Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
Total Metals								
Lead	SW 846 6010C	02/10/18 09:15	02/12/18 16:30	126000			250	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/01/18 18:21	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

 $\ensuremath{\mathsf{B}}$ - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-03 (Solid)

CAT423-1ST-PCB-05

Collected 01/25/2018 09:25

Received 01/26/2018 14:30

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/01/18 18:47	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-04 (Solid)

CAT423-1ST-PCB-06

Collected 01/25/2018 09:30

Received 01/26/2018 14:30

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/01/18 19:12	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-05 (Solid)

CAT423-EXT-PCB-07

Collected 01/25/2018 10:45

Received 01/26/2018 14:30

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/04/18 14:32	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-06 (Solid)

CAT423-EXT-PCB-08

Collected 01/25/2018 11:00

Received 01/26/2018 14:30

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:11	01/29/18 10:57	68.6				%
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.00643	0.361	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.0111	0.361	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.00850	0.361	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.0122	0.361	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.00846	0.361	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.0129	0.361	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.00951	0.361	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.0139	0.361	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.00729	0.361	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/04/18 16:40	ND	U	0.00643	0.361	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-07 (Solid)

CAT423-EXT-PCB-09

Collected 01/25/2018 11:15

Received 01/26/2018 14:30

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/04/18 14:58	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-08 (Paint Chips)

CAT423-BASE-PC-18

Collected

Received

Contact

	01/25/2018 12:00	0	1/26/2018 14:30	Mic	hael Well	ock		
Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
Total Metals								
Lead	SW 846 6010C	02/10/18 09:15	02/12/18 15:16	310000			2500	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0441	2.48	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0762	2.48	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0583	2.48	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0840	2.48	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0581	2.48	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/05/18 12:08	52.7	D	0.0883	2.48	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0653	2.48	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0956	2.48	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/05/18 12:08	ND	U	0.0500	2.48	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/05/18 12:08	52.7	D	0.0441	2.48	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-09 (Paint Chips)

CAT423-BASE-PC-19

Collected

Received

Contact

	01/25/2018 12:05	0	1/26/2018 14:30	Mic	hael Well	ock		
Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
Total Metals								
Lead	SW 846 6010C	02/10/18 09:15	02/12/18 15:39	533000			2500	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.0882	4.95	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.152	4.95	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.117	4.95	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.168	4.95	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.116	4.95	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/09/18 12:21	128	D	0.177	4.95	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.130	4.95	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.191	4.95	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/09/18 12:21	ND	U	0.100	4.95	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/09/18 12:21	128	D	0.0882	4.95	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

 $\ensuremath{\mathsf{B}}$ - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-10 (Paint Chips)

CAT423-BASE-PC-20

Collected 01/25/2018 12:25

Received 01/26/2018 14:30

Contact Michael Wellock

	01/25/2010 12.25	•	1/20/2010 14:30		ilaci vveli	oon.		
Lab Section/ Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
Total Metals								
Lead	SW 846 6010C	02/10/18 09:15	02/12/18 15:42	634000			2500	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/09/18 10:38	5.19		0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/09/18 10:38	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/09/18 10:38	5.19		0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-11 (Paint Chips)

CAT423-BASE-PC-21

Collected 01/25/2018 12:30

Received 01/26/2018 14:30 Contact
Michael Wellock

	01/25/2018 12:30	U	1/26/2018 14:30	IVIIC	naei weiid	JCK		
Lab Section/								•
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
Total Metals								
Lead	SW 846 6010C	02/10/18 09:15	02/12/18 14:52	9900			312	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	1.18	66.0	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	2.03	66.0	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	1.55	66.0	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	2.24	66.0	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	1.55	66.0	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/09/18 12:46	702	D	2.35	66.0	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	1.74	66.0	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	2.55	66.0	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/09/18 12:46	ND	U	1.33	66.0	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/09/18 12:46	702	D	1.18	66.0	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-12 (Paint Chips)

CAT423-BASE-PC-22

Collected

Received 01/26/2018 14:30 Contact
Michael Wellock

	01/25/2018 12:40	0	1/26/2018 14:30	Mic	chael Wello	ock		
Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
Total Metals								
Lead	SW 846 6010C	02/10/18 09:15	02/12/18 15:24	67600			250	mg/kg dry
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.221	12.4	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.381	12.4	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.291	12.4	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.420	12.4	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.290	12.4	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/09/18 13:12	145	D	0.441	12.4	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.326	12.4	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.478	12.4	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/09/18 13:12	ND	U	0.250	12.4	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/09/18 13:12	145	D	0.221	12.4	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.



Analytical Results Summary CAT-423 8010735-13 (Solid)

CAT423-BASE-PCB-10

Collected 01/25/2018 12:45

Received 01/26/2018 14:30

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
General Chemistry								
Percent Solids	Gravimetric	01/26/18 17:10	01/26/18 17:10	100				%
PCBs								
Aroclor-1016	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00441	0.248	mg/kg dry
Aroclor-1221	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00762	0.248	mg/kg dry
Aroclor-1232	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00583	0.248	mg/kg dry
Aroclor-1242	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00840	0.248	mg/kg dry
Aroclor-1248	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00581	0.248	mg/kg dry
Aroclor-1254	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00883	0.248	mg/kg dry
Aroclor-1260	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00653	0.248	mg/kg dry
Aroclor-1262	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00956	0.248	mg/kg dry
Aroclor-1268	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00500	0.248	mg/kg dry
Total PCBs	SW 846 8082	01/29/18 15:26	02/13/18 09:39	ND	U	0.00441	0.248	mg/kg dry

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

B - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

AQUA PRO-TECH LABORATORI	ES	CHAIN OF	CUSTOD	Y		PAGE OF Z
	CLIENT: BIDWELL		SEND REPOR	RT TO:		TURN-AROUND TIME APL STANDARD 2 weeks
www.aguaprotechlabs.com	ADDDECC:	C 111/ . L . AV	ADDRESS:	XXXII — W		RUSH (choose one below)
12/2 DLOUMFIELD AVENUE * BUILDIN	W 10	SUICHWAY		SAL	1 <i>E</i>	24 hr. date & time required 48 hr. date & time required
FAIRFIELD, NEW JERSEY 07004	PHONE: 6-1		PHONE:) - A		72 hr. date & time required
TEL: 973.227.0422	045 610	3993				REPORT FORMAT ELECTRONIC FORMA
FAX: 973.227.2813	E-MAIL: MWELLOURE BIDNER	LENV, RON	ENTAL-L	04		REPORT FORMAT ELECTRONIC FORMA RESULTS ONLY EMAIL DELIVE
	PROJECT MARE: CAT -	+23	SEND INVOICE	CE TO:		NJ DEP REDUCED HAZSITE EDD
CONTAMINATION LEVEL	PROJECT MGR:	NELLOCK	ADDRESS:	SA	MF-	NJ DEP FULL EXCEL STATE FORMS/E2 REPORTING SRP#
HIGH MEDIUM LO	I \ DBO IECT or DD #-	7014	SAMPLED BY	/: V		PWSID#
MATRIX ABBREVI	ATIONS: D - DRINKING WATER G -	GROUNDWATER	W - WASTEV	VATER S	- SOIL SL -	SLUDGE C - CONCRETE L - LAKE
			Sample '	Гуре М	14	
APL Lab ID#	Sample Source: Field ID	Date T	ime R		No. of Bottles Preservat	Analysis Requested
8010735-01	CAT423-15T-PC-16	1/25/189	:00 ×	PC	1	- LEAD, RB = (soxhel)
-02	(AT43-15T-PC-17	1/25/189		PC	1 -	LEAD, PCB 5 (soxblot)
73	(AT423-15T-PCB-05	1/25/189	25 X	Clix	(_	PCBs (soshlet)
-p4	CAT423-15T- PCB-06			ak	1	PCBs (soxhlat)
786	CAT-23 - 137-PCB-07			cyk	1	- PCBS (solly).
The state of the s	CAT43-EXT-868-08			aix	1	PCBs (coxWet)
.7-	CAT423-FXT 18CB-09	1		CLK	1	PCBs (so-Hel)
-08	CAT 123 -BASE - PC-16		2:00 X	Pc	1/	lead, PCBs (Soxhlet)
-69	CAT423-BASE-PC-19	The state of the s	X 20:05	fc	i /	lead PCBSCSOXHIET
RELINQUISHED BY (Print) MICHAE	AEL WELLOW [DATE 1/26/1	RECEIVED	BY (Print)	WGR	
Signature M. I.I.I.	Λ Τ	ime /0'.00	Signature		hul	W83
RELINQUISHED BY (Print) W	WWW T	DATE - 26-18	RECEIVED	BY (Print)	1	
		ime / 430	Signature		97	
RELINQUISHED BY (Print)		DATE	RECEIVED	BY (Print)		
Signature COMMENTS/SPECIAL INSTRUCTIONS RC -		ime	Signature			
	PAINT CHIP					(4
LIK.	- CAMIX		Cooler Temp.	upon receipt	at lab	7
			-			

APL 8010735

APL		CHAIN OF CUSTODY						PAGE Q OF			
AQUA PRO-TECH LABORATORIE	CLIENT: BIDWELL		SENI	REP	ORT TO	0:				TURN-AROUND APL STANDARD 2 weeks	TIME
www.aquaprotechlabs.com	ADDRESS: KINGS 416	HLASTY	ADDI	RESS:				0		RUSH (choose one below)	
1275 BLOOMFIELD AVENUE • BUILDING 6						ЛИ	<u></u>			24 hr. date & time required 48 hr. date & time required	
FAIRFIELD, NEW JERSEY 07004	PHONE: 645 610 30	10101	PHOI	NE:	51	6				72 hr. date & time required	
TEL: 973.227.0422 FAX: 973.227.2813	E-MAIL: MWELLOCKE BIPHELLY	190	FAX:		-10				-	REPORT FORMAT	ELECTRONIC FORMAT
	DDO IECT NAME:		SENE	O INVO	ICE TO	O:			1-2	RESULTS ONLY NJ DEP REDUCED	EMAIL DELIVERY HAZSITE EDD
OONTANAMATION LEVEL	DDO IFOT MOD.	423	ADDF	RESS:	-	A	15	-		NJ DEP FULL	EXCEL
CONTAMINATION LEVEL	PROJECT MGR: WEL	LOCK	SAMI	PLED I	<u>ノ</u> 3Y:	1. 1.	-			STATE FORMS/E2 REPORTING PWSID#	SRP#
HIGH MEDIUM LOW	_								/	/	
MATRIX ABBREVIATION	ONS: D - DRINKING WATER G - 0	GROUNDWATE	ER W-V		WATE e Type	R S	s - SOI	L SL-SL	UDGE	C - CONCRETE L - LAKE	
APL Lab ID#	Sample Source: Field ID	Date	Time	G R A B	C O M P	T R I X	No. of Bottles	Preservative		Analysis Requeste	ed
8010736-10	AT423-Base=PC-20	1-25-18	12:25	X		PC	1	/	Lea	d, PCBs (soxh)	(2f)
1 -11 0	AT423-Base-Pc-21	1-25-18	12:30	X		PC	l		LZa	dipobs (SOXI	1/2+)
-12	CAT423-Base-PC-22	1-25-19	12:40	X	-	PL	1		Lead	d, PCBS (Soxhi	let)
-13 (AT423-BASE-808-10	1/25/18	17:45	X		MAR	('/	PC	Bs Coshlet	
		2									
RELINQUISHED BY (Print)	AEL WELLOCK O	DATE 1/26	/18 REC	EIVED	BY (F	Print	bk	y_			
2: 1	_	ime 10:00		ature			W	ull	62/		
RELINQUISHED BY (Print)		DATE 2618	1		BY (F	Print)	N	3	1)		
Signature (MM)		ime //3 // DATE		ature	BY (F	200		Y			
RELINQUISHED BY (Print) Signature		ime		ature	BY (F	rintj					
Manager of the transplant for a filter transplant country and a company country manager transplant	aint ohip		3				7 11 200				
			Coole	er Temj	o. upon	receip	t at lab		4		



Certified Environmental Testing

ANALYTICAL RESULTS

STANDARD DELIVERABLES FORMAT

APL WORK ORDER NUMBER: 8030203

Bidwell Environmental

Project: Kensico

Brian Wood Laboratory Director

All Results meet the requirements of the National Environmental Laboratory Accreditation Conference and/or State specific certifications as applicable.



Analytical Results Summary

Kensico 8030203-01 (Oil)

CAT423-1ST-PCB-11

Collected 03/06/2018 06:30

Received 03/08/2018 16:08

Contact
Michael Wellock

Lab Section/								
Analysis	Method	Prepared	Analyzed	Result	Qual	MDL	RL	Units
PCBs								
Aroclor-1016	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	168	500	ug/kg
Aroclor-1221	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	309	500	ug/kg
Aroclor-1232	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	255	500	ug/kg
Aroclor-1242	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	231	500	ug/kg
Aroclor-1248	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	141	500	ug/kg
Aroclor-1254	SW 846 8082	03/13/18 14:30	03/13/18 14:58	7870		363	500	ug/kg
Aroclor-1260	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	153	500	ug/kg
Aroclor-1262	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	80.0	500	ug/kg
Aroclor-1268	SW 846 8082	03/13/18 14:30	03/13/18 14:58	ND	U	102	500	ug/kg

FootNotes

RL - Reporting limit
MDL - Minimum detection limit
ND - Indicates compound analyzed for but not detected
J - Indicates estimated value

 $\ensuremath{\mathsf{B}}$ - Indicates compound found in associated blank

E - Concentration exceeds highest calibration standard

D - Indicates result is based on a dilution

P - Greater than 25% diff. between 2 GC columns.

APL_8030203_												
AQUA PRO-TECH LABORATORIES		CHAIN (- T	C					PAGEOF		
	CLIENT: Bidwell Envi	conmenta	/ SEN	ID REF	ORT T	0: /	San	ne 11		TURN-AROUND	TIME	
www.aquaprotechlabs.com	ADDRESS: 1353 King	c High	ADD	RESS	:		001	ie.		APL STANDARD 2 weeks RUSH (choose one below)		
7275 BLOOMFIELD AVENUE PBUILDING	6 Scarc / F 1/1	100CL	7							24 hr. date & time required		
FAIRFIELD, NEW JERSEY 07004	Sugar Loaf, NY PHONE: Company	10981	PHC	NF.		<i>C.</i>		1		48 hr. date & time required		
TEL: 973.227.0422	PHONE: (845)610-30	795				Sa	me	.,		1 week		
FAX: 973.227.2813	E-MAIL: mwellock@bidvelle	nvironmenta	1.com							REPORT FORMAT RESULTS ONLY	ELECTRONIC FORMA EMAIL DELIVER	
	PROJECT NAIVIE: Kanc.		SEN	D INVO	DICE T	O: /	501	ne"	j	NJ DEP REDUCED	HAZSITE EDD	
CONTAMINATION LEVEL	PROJECT MGR: michael	Wellock	ADD	RESS:						NJ DEP FULL STATE FORMS/E2 REPORTING	SRP#	
HIGH MEDIUM LOW	PROJECT or PO #:		SAM	IPLED	BY:					PWSID#	O/11 //	
MATRIX ABBREVIAT	IONS: D - DRINKING WATER G -	GROUNDWAT	ED W 1	MACTI	EVALATE	- D (5 601		LIDOF 6			
		GIOONDWAII		to processors	le Type	M	3 - 301	L SL-SL	ODGE C	C - CONCRETE L - LAKE		
APL Lab ID#	Sample Source: Field ID	Date	Time	G R A B	C O M P	A R X	No. of Bottles	Preservative		Analysis Requeste	d	
8030203-01	CAT 423-1ST-PCB-11	3/6/18	0630		X	0	1		PCB	(soxhlet)		
	111				-							
								0				
RELINQUISHED BY (Print), MI CLAE Signature 9. WILLIAM	L WELLOCK D	ATE 3 18/1	REC	EIVED	BY (P	rint)	WO	Ky	1/24			
		me / do	Sign	ature			V	my	P			
RELINQUISHED BY (Print) Signature		ATE 3818			BY (P	rint)	X	ulco	uf			
RELINQUISHED BY (Print)		me //////////////////ATE		ature	DV /D	rint\	- (
Signature		me	1	EIVED ature	BY (P	rint)						
COMMENTS/SPECIAL INSTRUCTIONS	. 1		J.gri									

Cooler Temp. upon receipt at lab

CERTIFICATIONS: NELAP (National Environmental Laboratory Accredation Program) NJDEP #07010 PADEP #68-02903 NYDOH #11634 CTPH #0233 US ARMY By signing this Chain of Custody Agreement, customer expressly agrees to pay APL for all charges, reasonably incurred in connection with analysis and reporting for these samples

0-011



Expires 12:01 AM April 01, 2018 Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRIAN W. WOOD AQUA PROTECH 1275 BLOOMFIELD AVE - BLDG 6 FAIRFIELD, NJ 07004 NY Lab Id No: 11634

is hereby APPROVED as an Environmental Laboratory in conformance with the National Environmental Laboratory Accreditation Conference Standards (2003) for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE

All approved analytes are listed below:

Amines		Chlorinated Hydrocarbon Pesticid	es :
2-Nitroaniline	EPA 8270D	Endosulfan II	EPA 8081B
3-Nitroaniline	EPA 8270D	Endosulfan sulfate	EPA 8081B
4-Chloroaniline	EPA 8270D	Endrin	EPA 8081B
4-Nitroaniline	EPA 8270D	Endrin aldehyde	EPA 8081B
Aniline	EPA 8270D	Endrin Ketone	EPA 8081B
Carbazole	EPA 8270D	Heptachlor	EPA 8081B
Benzidines		Heptachlor epoxide	EPA 8081B
3,3'-Dichlorobenzidine	EPA 8270D	Lindane	EPA 8081B
Benzidine	EPA 8270D	Methoxychlor	EPA 8081B
		Toxaphene	EPA 8081B
Characteristic Testing		Chlorinated Hydrocarbons	
Corrosivity	EPA 9040C	1,2,4-Trichlorobenzene	EPA 8270D
Ignitability	EPA 1010A	2-Chloronaphthalene	EPA 8270D
TCLP	EPA 1311	Hexachlorobenzene	EPA 8270D
Chlorinated Hydrocarbon Pestic	ides	Hexachlorobutadiene	EPA 8270D
4,4'-DDD	EPA 8081B	Hexachlorocyclopentadiene	EPA 8270D
4,4'-DDE	EPA 8081B	Hexachloroethane	EPA 8270D
4,4'-DDT	EPA 8081B		
Aldrin	EPA 8081B	Chlorophenoxy Acid Pesticides	
alpha-BHC	EPA 8081B	2,4,5-TP (Silvex)	EPA 8151A
beta-BHC	EPA 8081B	2,4-D	EPA 8151A
Chlordane Total	EPA 8081B	Haloethers	
delta-BHC	EPA 8081B	2,2'-Oxybis(1-chloropropane)	EPA 8270D
Dieldrin	EPA 8081B	4-Bromophenylphenyl ether	EPA 8270D
Endosulfan I	EPA 8081B	4-Chlorophenylphenyl ether	EPA 8270D

Serial No.: 56106





Expires 12:01 AM April 01, 2018 Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BRIAN W. WOOD AQUA PROTECH 1275 BLOOMFIELD AVE - BLDG 6 FAIRFIELD, NJ 07004 NY Lab Id No: 11634

is hereby APPROVED as an Environmental Laboratory in conformance with the
National Environmental Laboratory Accreditation Conference Standards (2003) for the category
ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE
All approved analytes are listed below:

Haloethers		Metals II	
Bis(2-chloroethoxy)methane	EPA 8270D	Zinc, Total	EPA 6010C
Bis(2-chloroethyl)ether	EPA 8270D	Metals III	
Metals I		Cobalt, Total	EPA 6010C
Barium, Total	EPA 6010C	Molybdenum, Total	EPA 6010C
Cadmium, Total	EPA 6010C	Thallium, Total	EPA 6010C
Calcium, Total	EPA 6010C	Miscellaneous	
Chromium, Total	EPA 6010C	Cyanide, Total	EPA 9014
Copper, Total	EPA 6010C		
Iron, Total	EPA 6010C	Nitroaromatics and Isophorone	
Lead, Total	EPA 6010C	2,4-Dinitrotoluene	EPA 8270D
Magnesium, Total	EPA 6010C	2,6-Dinitrotoluene	EPA 8270D
Manganese, Total	EPA 6010C	Isophorone	EPA 8270D
Nickel, Total	EPA 6010C	Nitrobenzene	EPA 8270D
Potassium, Total	EPA 6010C	Nitrosoamines	
Silver, Total	EPA 6010C	N-Nitrosodimethylamine	EPA 8270D
Sodium, Total	EPA 6010C	N-Nitrosodiphenylamine	EPA 8270D
Metals II		Phthalate Esters	
Aluminum, Total	EPA 6010C	Benzyl butyl phthalate	EPA 8270D
Antimony, Total	EPA 6010C	Bis(2-ethylhexyl) phthalate	EPA 8270D
Arsenic, Total	EPA 6010C	Diethyl phthalate	EPA 8270D
Beryllium, Total	EPA 6010C	Dimethyl phthalate	EPA 8270D
Chromium VI	EPA 7196A	Di-n-butyl phthalate	EPA 8270D
Mercury, Total	EPA 7471B	Di-n-octyl phthalate	EPA 8270D
Selenium, Total	EPA 6010C		
Vanadium, Total	EPA 6010C		

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All approved analytes are listed below:

Polychlorinated Biphenyls		Polynuclear Aromatic Hydrocarbons	
PCB-1016	EPA 8082A	Pyrene	EPA 8270D
PCB-1221	EPA 8082A	Priority Pollutant Phenols	
PCB-1232	EPA 8082A	2,4,5-Trichlorophenol	EPA 8270D
PCB-1242	EPA 8082A	2,4,6-Trichlorophenol	EPA 8270D
PCB-1248	EPA 8082A	2,4-Dichlorophenol	EPA 8270D
PCB-1254	EPA 8082A	2,4-Dimethylphenol	EPA 8270D
PCB-1260	EPA 8082A	2,4-Dinitrophenol	EPA 8270D
PCB-1262	EPA 8082A	2-Chlorophenol	EPA 8270D
PCB-1268	EPA 8082A	2-Methyl-4,6-dinitrophenol	EPA 8270D
Polynuclear Aromatic Hydrocarbor	15	2-Methylphenol	EPA 8270D
Acenaphthene	EPA 8270D	2-Nitrophenol	EPA 8270D
Acenaphthelie	EPA 8270D	3-Methylphenol	EPA 8270D
Anthracene	EPA 8270D	4-Chloro-3-methylphenol	EPA 8270D
	EPA 8270D		EPA 8270D
Benzo(a)anthracene	EPA 8270D	4-Methylphenol	EPA 8270D
Benzo(a)pyrene	EPA 8270D	4-Nitrophenol	EPA 8270D
Benzo(b)fluoranthene	EPA 8270D	Pentachlorophenol Phenol	EPA 8270D
Benzo(ghi)perylene			EPA 02/0D
Benzo(k)fluoranthene	EPA 8270D	Semi-Volatile Organics	
Chrysene	EPA 8270D	1,1'-Biphenyl	EPA 8270D
Dibenzo(a,h)anthracene	EPA 8270D	1,2-Dichlorobenzene, Semi-volatile	EPA 8270D
Fluoranthene	EPA 8270D	1,3-Dichlorobenzene, Semi-volatile	EPA 8270D
Fluorene	EPA 8270D	1,4-Dichlorobenzene, Semi-volatile	EPA 8270D
Indeno(1,2,3-cd)pyrene	EPA 8270D	2-Methylnaphthalene	EPA 8270D
Naphthalene	EPA 8270D	Acetophenone	EPA 8270D
Phenanthrene	EPA 8270D	Benzaldehyde	EPA 8270D

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NY Lab Id No: 11634

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All approved analytes are listed below:

Semi-Volatile Organics		Volatile Aromatics	
Benzoic Acid	EPA 8270D	Toluene	EPA 8260C
Benzyl alcohol	EPA 8270D	Total Xylenes	EPA 8260C
Caprolactam	EPA 8270D	Volatile Halocarbons	
Dibenzofuran / Dibenz	EPA 8270D	1,1,1,2-Tetrachloroethane	EPA 8260C
Volatile Aromatics		1,1,1-Trichloroethane	EPA 8260C
1,2,4-Trichlorobenzene, Volatile	EPA 8260C	1,1,2,2-Tetrachloroethane	EPA 8260C
1,2,4-Trimethylbenzene	EPA 8260C	1,1,2-Trichloro-1,2,2-Trifluoroethane	EPA 8260C
1,2-Dichlorobenzene	EPA 8260C	1,1,2-Trichloroethane	EPA 8260C
1,3,5-Trimethylbenzene	EPA 8260C	1,1-Dichloroethane	EPA 8260C
1,3-Dichlorobenzene	EPA 8260C	1,1-Dichloroethene	EPA 8260C
1,4-Dichlorobenzene	EPA 8260C	1,2,3-Trichloropropane	EPA 8260C
2-Chlorotoluene	EPA 8260C	1,2-Dibromo-3-chloropropane	EPA 8260C
4-Chlorotoluene	EPA 8260C	1,2-Dibromoethane	EPA 8260C
Benzene	EPA 8260C	1,2-Dichloroethane	EPA 8260C
Bromobenzene	EPA 8260C	1,2-Dichloropropane	EPA 8260C
Chlorobenzene	EPA 8260C	1,3-Dichloropropane	EPA 8260C
Ethyl benzene	EPA 8260C	2-Chloroethylvinyl ether	EPA 8260C
Isopropylbenzene	EPA 8260C	Bromochloromethane	EPA 8260C
Naphthalene, Volatile	EPA 8260C	Bromodichloromethane	EPA 8260C
n-Butylbenzene	EPA 8260C	Bromoform	EPA 8260C
n-Propylbenzene	EPA 8260C	Bromomethane	EPA 8260C
p-Isopropyltoluene (P-Cymene)	EPA 8260C	Carbon tetrachloride	EPA 8260C
sec-Butylbenzene	EPA 8260C	Chloroethane	EPA 8260C
Styrene	EPA 8260C	Chloroform	EPA 8260C
tert-Butylbenzene	EPA 8260C	Chloromethane	EPA 8260C

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All approved analytes are listed below:

Volatile Halocarbons		Sample Preparation Methods
cis-1,2-Dichloroethene	EPA 8260C	NN T 2/T
cis-1,3-Dichloropropene	EPA 8260C	EPA 3050E
Dibromochloromethane	EPA 8260C	EPA 3550C
Dibromomethane	EPA 8260C	EPA 3060A
Dichlorodifluoromethane	EPA 8260C	EPA 90100
Hexachlorobutadiene, Volatile	EPA 8260C	
Methylene chloride	EPA 8260C	
Tetrachloroethene	EPA 8260C	
trans-1,2-Dichloroethene	EPA 8260C	
trans-1,3-Dichloropropene	EPA 8260C	
Trichloroethene	EPA 8260C	
Trichlorofluoromethane	EPA 8260C	
Vinyl chloride	EPA 8260C	
Volatile Organics		
2-Butanone (Methylethyl ketone)	EPA 8260C	
2-Hexanone	EPA 8260C	
4-Methyl-2-Pentanone	EPA 8260C	
Acetone	EPA 8260C	
Carbon Disulfide	EPA 8260C	
Methyl cyclohexane	EPA 8260C	
Methyl tert-butyl ether	EPA 8260C	
tert-butyl alcohol	EPA 8260C	
Sample Preparation Methods		

Serial No.: 56106

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

EPA 5035A-L EPA 5035A-H



ATTACHMENT B

Niche Analysis, KAM Consultants, ATC Group Services LLC Data Packages, Lab Certificates and Asbestos Handling Licenses



104 E. 25th Street, 8th Floor New York, NY 10010 Tel. 212-353-8280 Fax: 212-353-8306

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Client: NICHE ANALYSIS, INC.

399 KNOLLWOOD ROAD, SUITE 208

Phone: (914) 288-0805

WHITE PLAINS, NY 10603

Fax: (914) 663-8272

Sample Date: 12/18/2017

Date Received: 12/20/2017

Date Analyzed: 12/23/2017

ATC Batch # 42846 A

Methods: EPA 600/M4-82-020

ELAP 198.1, 198.6 and 198.4

Location: KENSICO LAB / INTERIOR RENOVATION

Project # 17-22069-2

Project: BIDWELL

Bulk Asbestos Analysis Results

			<u>No</u>	n-Asbestos	<u>NOB</u>	<u>Asbestos</u>	
Sample # Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Type	% Type	
CAT423-2ND- Library & Conference room ASB-01 42846 A -1	Grey Vinyl Covebase	NOB-TEM		0.0% Vermiculite	54% Organic 3.2% Residue 42.8% Carbonate	NONE DETECTED	
Analyzed By: Amr Fata	Color: 0 Second Analyst: Mark F	•	Comments: NOB P	LM Inconclusive			
CAT423-2ND- Library & Conference room ASB-02 42846 A -2	Brown mastic associated wi Gray covebase	th NOB-TEM		0.0% Vermiculite	65.8% Organic 31.6% Residue 2.6% Carbonate	NONE DETECTED	
Analyzed By: Amr Fata	Color: E Second Analyst: Mark F		Comments: NOB P	LM Inconclusive			
CAT423-2ND- Library & Conference room ASB-03 42846 A - 3	Brown Carpet mastic	NOB-TEM		0.0% Vermiculite	49.4% Organic 38.1% Residue 12.5% Carbonate	NONE DETECTED	
Analyzed By: Amr Fata	Color: E Second Analyst: Mark F		Comments: NOB P	LM Inconclusive			
CAT423-2ND- Library & Conference room ASB-04 42846 A - 4	Grey Glazing on Door	NOB-TEM		0.0% Vermiculite	15.1% Organic 1.6% Residue 83.3% Carbonate	NONE DETECTED	
Analyzed By: Amr Fata	Color: 0 Second Analyst: Mark F	,	Comments: NOB P	LM Inconclusive			
CAT423-2ND- Drafting Room ASB-05 42846 A - 5	Grey glazing on Door	NOB-TEM		0.0% Vermiculite	18.2% Organic 1.6% Residue 80.2% Carbonate	NONE DETECTED	
Analyzed By: Amr Fata	Color: 0 Second Analyst: Mark F		Comments: NOB P	LM Inconclusive			
CAT423-2ND- Drafting Room ASB-06 42846 A - 6	Black conduit Putty	NOB-TEM		0.0% Vermiculite	25.1% Organic 34.6% Residue 40.3% Carbonate	NONE DETECTED	
Analyzed By: Amr Fata	Color: E Second Analyst: Mark F		Comments: NOB P	LM Inconclusive			
CAT423-2ND- Drafting Room ASB-07 42846 A - 7	Black conduit Putty	NOB-TEM		0.0% Vermiculite	25% Organic 39.7% Residue 35.3% Carbonate	NONE DETECTED	
Analyzed By: Amr Fata	Color: E Second Analyst: Mark F		Comments: NOB P	LM Inconclusive			



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				<u>No</u>	n-Asbestos	<u>NOB</u>	Asbestos
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Type	% Type
CAT423-2ND-	Drafting Room	Green Linoleum floor	NOB-TEM			68.4% Organic	
ASB-08					0.0% Vermiculite	1.6% Residue 30% Carbonate	NONE DETECTED
42846 A -8		0-1			0.0% vernilculite	30% Carbonate	NONE DETECTED
Analyzed By: A	Amr Fata	Color: G Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
	Drafting Room	Green Linoleum floor	NOB-TEM			94.1% Organic	
ASB-09					0.0% Vermiculite	1.3% Residue 4.6% Carbonate	NONE DETECTED
42846 A -9		0-1 0			0.0 % Verrilleunte	4.0 % Carbonate	NONE DETECTED
Analyzed By: A	Amr Fata	Color: G Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-2ND-	Drafting Room	Brown Mastic under Green F	loor NOB-TEM			73.3% Organic	
ASB-10					0.0% Vermiculite	18.6% Residue 8.1% Carbonate	NONE DETECTED
42846 A -10		0.1. 0			0.0% vernilculite	6.1% Carbonate	NONE DETECTEL
Analyzed By: A	Amr Fata	Color: B Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-2ND-	Drafting Room	Brown Mastic under Green F	loor NOB-TEM			35.9% Organic	
ASB-11					0.0% Vermiculite	56.5% Residue 7.6% Carbonate	NONE DETECTED
42846 A -11		0.1. 0			0.0 % Verrilleunte	7.0 % Carbonate	NONE DETECTED
Analyzed By: A	Amr Fata	Color: B Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-2ND-	Hallway	Black Vinyl covebase	NOB-TEM			29.8% Organic	
ASB-12					0.0% Vermiculite	1.6% Residue 68.6% Carbonate	NONE DETECTED
42846 A -12		Color: B	امماد		0.070 Verrilledille	00.070 Carbonate	NONE DETECTED
Analyzed By: A	Amr Fata	Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-2ND-	Hallway	Brown mastic behind coveba	ase NOB-TEM			40.7% Organic	
ASB-13					0.0% Vermiculite	8.6% Residue 50.7% Carbonate	NONE DETECTED
42846 A -13		O-law D			0.0 % Verrilleunte	30.7 / Carbonate	NONE DETECTED
Analyzed By: A	Amr Fata	Color: B Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-2ND-	Hallway	Beige flooring Linoleum	NOB-TEM			49.8% Organic	
ASB-14					0.00() (6.9% Residue	NONE DETECTED
42846 A -14					0.0% Vermiculite	43.3% Carbonate	NONE DETECTED
Analyzed By: A	Amr Fata	Color: B Second Analyst: Mark F	•	Comments: NOB P	LM Inconclusive		
CAT423-2ND-		Brown mastic under Beige				37.2% Organic	
ASB-15	Tanway	Linoleum	NOD-TEN			27.9% Residue	
42846 A -15					0.0% Vermiculite	34.9% Carbonate	NONE DETECTED
Analyzed By: A	Amr Eata	Color: B Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
		·	•			00.00/	
CAT423-2ND- ASB-16	LUNCH KOOM	Black Vinyl covebase	NOB-TEM			32.2% Organic 1.8% Residue	
42846 A -16					0.0% Vermiculite	66% Carbonate	NONE DETECTED
Analyzed By: A	Amr Fata	Color: B Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-2ND-		Brown mastic behind Black				E49/ Organia	
CA1423-2ND- ASB-17	Editori NOOIII	covebase	ייייזי ואטם-ובועו			54% Organic 23.8% Residue	
42846 A -17					0.0% Vermiculite	22.2% Carbonate	NONE DETECTED
		Color: B		Comments: NOB P	II M Inconclusive		
Analyzed By: A	Amr Fata	Second Analyst: Mark F	Peysakhov	Comments: NOB P	LIVI IIICOIICIUSIVE		



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				<u>No</u>	n-Asbestos	<u>NOB</u>	<u>Asbestos</u>
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Type	% Type
CAT423-2ND-	Lunch Room	Beige Linoleum Flooring	NOB-TEM			47.2% Organic	
ASB-18 42846 A -18					0.0% Vermiculite	3.7% Residue 49.1% Carbonate	NONE DETECTED
12040 A - 10		Color: Be	iae				
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe	•	Comments: NOB P	LM Inconclusive		
CAT423-2ND-	Lunch Room	Brown mastic / Grey Leveling Compound	NOB-TEM			35.9% Organic	
ASB-19 42846 A -19		Compound			0.0% Vermiculite	35.1% Residue 29% Carbonate	NONE DETECTED
	_	Color: Bro		Comments: NOB P	I M Inconclusive		
Analyzed By: A		Second Analyst: Mark Pe	eysakhov	Comments: NOB1	EN MOONICIOSIVO		
CAT423-2ND- ASB-20	Lunch Room	Brown mastic / Grey Leveling Compound	NOB-TEM			44.3% Organic 26.2% Residue	
нэв-20 42846 A -20		00p0aa			0.0% Vermiculite	29.5% Carbonate	NONE DETECTED
		Color: Bro	own	O I NOD D			
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe	eysakhov	Comments: NOB P	LIVI Inconclusive		
	Watershed Office	Grey vinyl covebase	NOB-TEM			53.6% Organic	
ASB-22 42846 A -21					0.0% Vermiculite	1.6% Residue 44.8% Carbonate	NONE DETECTED
,20,071 27		Color: Gre	ә у				
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe	eysakhov	Comments: NOB P	LM Inconclusive		
	Watershed Office	Brown mastic associateds wit Grey covebase	h NOB-TEM			55.5% Organic	
ASB-23 42846 A -22		Grey covebase			0.0% Vermiculite	42.6% Residue 1.9% Carbonate	NONE DETECTED
42040 A -22		Color: Bro	own				
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe	eysakhov	Comments: NOB P	LM Inconclusive		
	Watershed Office	Brown mastic under Carpet	NOB-TEM			45.1% Organic	
ASB-24 42846 A -23					0.0% Vermiculite	27% Residue 27.9% Carbonate	NONE DETECTED
7207071 23		Color: Bro	own				
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe	eysakhov	Comments: NOB P	LM Inconclusive		
	Women's Restroom	Black Caulk on Radiator	NOB-TEM			30.7% Organic	15% Chrysotile
ASB-26					0.0% Vermiculite	22% Residue 32.3% Carbonate	
42846 A -24		Color: Bla	ıck		0.070 VOITHIOGHEO	02.070 Carbonato	
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe		Comments: NOB P	LM Inconclusive	1	Total Asbestos: 15 %
CAT423-2ND-	Men's Restroom	Black Caulk on Radiator	NOB-TEM			26.6% Organic	21% Chrysotile
ASB-27					0.0% Vermiculite	21.5% Residue 30.9% Carbonate	
42846 A -25		Color: Bla	ıck		0.070 Verrinduite	00.070 Carbonate	
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe		Comments: NOB P	LM Inconclusive	1	Total Asbestos: 21 %
CAT423-ATT-	Attic	Black Gasket on HVAC unit	NOB-TEM			68.7% Organic	Trace Chrysotile
ASB-30 42846 A -26					0.0% Vermiculite	5.1% Residue 26.2% Carbonate	
42040 A -20		Color: Bla	ıck				
Analyzed By: A	Amr Fata	Second Analyst: Mark Pe		Comments: NOB P	LM Inconclusive	To	otal Asbestos: TRACE
CAT423-ATT-	Attic	Black Gasket on Fan #2 Acce	ss NOB-TEM			64.2% Organic	· · · · · · · · · · · · · · · · · · ·
ASB-31		watch			0.0% Vermiculite	6.9% Residue 28.9% Carbonate	NONE DETECTED
42846 A -27		Color: Bla	ıck		5.0 /0 VOITHOUNG	20.5% Carbonale	NONE DETECTED
A 1 1 D - 4	Amr Fata	Second Analyst: Mark Pe		Comments: NOB P	LM Inconclusive		



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					Non-Asbestos		<u>Asbestos</u>
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	<u>NOB</u> % Type	% Type
CAT423-1ST-	General lab	Black counter top bonding a	gent NOB-TEM			58.1% Organic	
ASB-36					0.0% Vermiculite	37.9% Residue 4% Carbonate	NONE DETECTE
42846 A -28		Color: B	lack		0.070 Volimounto	170 Galbanata	NONE DE LEGIE
Analyzed By: A	mr Fata	Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-	Boiler Room	Silver Boiler Paint	NOB-TEM			30% Organic	
BASE-ASB-42 42846 A -29					0.0% Vermiculite	54.3% Residue 15.7% Carbonate	NONE DETECTE
12840 A -29		Color: S	ilver		0.070 Volimounto	10.17/0 Carbonato	NONE BETEOTE
Analyzed By: A	mr Fata	Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-	Boiler Room	Silver Boiler Paint	NOB-TEM			73.7% Organic	
BASE-ASB-43					0.0% Vermiculite	9.2% Residue 17.1% Carbonate	NONE DETECTE
12846 A -30		0-1 0	9		0.0 % Verifficulte	17.170 Carbonate	NONE DETECTE
Analyzed By: A	mr Fata	Color: S Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-	Boiler Room	Grey Door Glazing	NOB-TEM			10.4% Organic	
BASE-ASB-54					0.00/ \/	2.2% Residue	NONE DETECTE
42846 A -31					0.0% Vermiculite	87.4% Carbonate	NONE DETECTE
Analyzed By: A	mr Fata	Color: G Second Analyst: Mark F	,	Comments: NOB P	LM Inconclusive		
CAT423-	Storage Room	Grey door Glazing	NOB-TEM			13.3% Organic	
BASE-ASB-55	· ·	, ,				1.2% Residue	
42846 A -32					0.0% Vermiculite	85.5% Carbonate	NONE DETECTE
Analyzed By: A	mr Fata	Color: G Second Analyst: Mark F	•	Comments: NOB P	LM Inconclusive		
CAT423-EXT-	Exterior	White window caulk	NOB-TEM			70.8% Organic	
ASB-56					0.00/ 1/ 1/ 1//	2.8% Residue	
42846 A -33					0.0% Vermiculite	26.4% Carbonate	NONE DETECTE
Analyzed By: A	mr Fata	Color: W Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-EXT-	Exterior	White window caulk	NOB-TEM			71.6% Organic	
ASB-57						2.1% Residue	
12846 A -34					0.0% Vermiculite	26.3% Carbonate	NONE DETECTE
Analyzed By: A	mr Fata	Color: W Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
CAT423-1ST-		Beige Linoleum flooring	NOB-TEM			50.8% Organic	
ASB-58	CONOIGI EUD	Doigo Emoleum nooning	INOD-I LIVI			5.6% Residue	
42846 A -35					0.0% Vermiculite	43.6% Carbonate	NONE DETECTE
Analyzed By: A	mr Fata	Color: B Second Analyst: Mark F		Comments: NOB P	LM Inconclusive		
		<u> </u>				42.40/ О	
CAT423-1ST- ASB-59	General Lan	Brown mastic under Linoleur	m NOB-TEM			42.4% Organic 25.6% Residue	
42846 A -36					0.0% Vermiculite	32% Carbonate	NONE DETECTE
Analyzed By: A	mr Fata	Color: B Second Analyst: Mark F	•	Comments: NOB P	LM Inconclusive		
CAT423-1ST-	Water & Sewage Lab	Beige Linoleum Flooring	NOB-TEM			50.3% Organic	
ASB-60					0.00/ \/am=:=::!:t=	5.4% Residue	NONE DETECTE
42846 A -37		_			0.0% Vermiculite	44.3% Carbonate	NONE DETECTE
		Color: B Second Analyst: Mark F	•	Comments: NOB P	I M Inconclusive		



104 E. 25th Street, 8th Floor New York, NY 10010 Tel. 212-353-8280 Fax: 212-353-8306

AMENDED

				<u>No</u>	n-Asbestos	NOB	<u>Asbestos</u>
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Type	% Type
CAT423-1ST-	Water & Sewage Lab	Brown Mastic under Linoleum	NOB-TEM			59.7% Organic	obolis manufactura i i i i i i i i i i i i i i i i i i i
ASB-61					0.0% Vermiculite	35,2% Residue 5.1% Carbonate	NONE DETECTED
12846 A -38					0.070 Verrindunc	3.176 Carbonate	HONE BETEOTEE
Analyzed By: A	Amr Fata	Color: Brov Second Analyst: Mark Pey		Comments: NOB F	LM Inconclusive		SANNAN MODELLA CONTRACTOR CONTRAC
OTES:							
1) The Limit of	of Detection is the same as the	he Reporting Limit for these results.					
2) The Repor	ting Limit (RL) is the Limit of	Quantitation. For point counts the lim	nit of quantitation o	of 0.25%; based on on	e asbestos point counter over 40	0 non-empty points.	
		efinition: > 1% asbestos by weight is					
report may no Quality contro	: The laboratory is not respond to the used to claim product ended to a laborate of the control of the control		efer to enclosed le agency of the U.S.	etter. This report may n Government. This repo	ot be reproduced, except in full, ort relates only to the samples re	without written approval by ported above as described i	ATC Group Services. This n the chain of custody.
,	•	oy NY State ELAF #10079 contained herein are confidential and	d privileged inform	nation intended for the	exclusive use of the individual or	entity named abov	
		nd its personnel shall not be liable for					amples submitted and ar
	results are reliable to 2 significations		any monnomiano	,, p. 0.1.000 to ue u, t	,	,	,
1	ion of all samples was accep	•					
1 '	•	sults meet all requirements of NELAC	2				
		Amendments: An		. Amended	by:		
1 ' ''	er is attached on this report.				,		
1 '		ce when No points are counted and a	sbestos is identifie	ed. For ELAP Trace is	: 1%.		
		report is an accurate and authentic re					
1	ertainty for these test results is		,				
16) FLAP re	quires method ELAP 198.1 fo	or the analysis of samples containing and may underestimate the level of	≤ 10% vermiculite	e. For samples containing	ng > 10% vermiculite ELAP requ	ires methods ELAP 198.1 fo	ollowed by ELAP 198.6.
Amr Fata	docs not to no vo vo modine				Mei W	Vang 1	aa . *
						<u> </u>	ne Wa
Analyst: Mark Peys	sakhov				Approv Quality	ved by v Manager:	
Analyst:	/ /						
Mohamed	Fata A	16.					

Analyst:



BULK ASBESTOS ANALYSIS RESULTS

PLM Analysis Methodology

The samples were analyzed by industry accepted methods in accordance with EPA and ELAP methods using Polarized Light Microscopy (PLM) with dispersion staining in conjunction with stereoscopical analysis. Point counts are performed on samples regulated by these agencies. The Environmental Laboratory Approval Program (ELAP) has determined that analysis of non-friable organically bound materials (i.e. floor tile, roofing, etc.) and ceiling tiles with cellulose is not reliable when performed by Polarized Light Microscopy (PLM) method. Therefore, if this analysis included that of non-friable materials or ceiling tiles with cellulose under PLM and the results were negative, ATC must add this disclaimer to maintain our ELAP accreditation:

"Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative Transmission Electron Microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos containing".

Non-friable samples that contained *Trace* or *No* PLM detectable asbestos are classified as Inconclusive. All layered samples are analyzed by the layer and each layer is reported separately with the exception of joint compound.

ELAP requires method ELAP 198.1 for the analysis of samples containing ≤ 10% vermiculite with the exception of surfacing material containing vermiculite (SM-V). For samples containing >10% vermiculite ELAP requires methods ELAP 198.1 followed by ELAP 198.6. This method has limitations for identification and quantification of vermiculite. "This method does not remove vermiculite and may underestimate the level of asbestos present in a sample containing greater than 10% vermiculite."

Surfacing material that contains vermiculite (SM-V) are analyzed by ELAP method 198.8. Sample results for SM-V tested by other methods upon client requests are inconclusive.

EPA does not regulate mixed mineral assemblage like the anthophyllite-talc intergrowth that is found in paint and caulking unless these materials contain asbestos in an amount greater than 1%. Anthophyllite detected in paint and caulking samples might be a talc intergrowth.

ATC has the capability of performing TEM confirmation if so desired.

Bulk sample reports are checked and reviewed two times. Unused portions of samples are archived for two months unless client requests special handling. This report must not be used by the client to claim product endorsement by NIST or any agency of the U.S. government.

ATC is not responsible for sample collection and analytical procedures not performed by our laboratory. This report may not be reproduced in part without the laboratory permission.

ATC will not be liable for analytical results from samples that are not prepared according to the standard methods (EPA, ELAP, etc.) used by the laboratory (e.g. composite samples from different locations, samples with insufficient volumes, straight TEM samples without gravimetric procedures, dust samples, non-friable samples by PLM only).

Laboratory Equipment

Laboratory analysis was accomplished utilizing Olympus BH-2 Microscopes.

Quality Control

ATC is accredited by NVLAP (Lab Code 101187-0) and NY State DOH ELAP (Lab ID 10879) for bulk and air fiber analyses. ATC participates in the Bulk Asbestos Sample Quality Assurance Programs for NVLAP and ELAP and maintains an in-house QC/QA program for bulk samples whereby 10% of all submitted samples are reanalyzed and documented in a Quality Control Manual. ATC also participates in a quarterly round robin QC/QA program for bulk samples with several accredited laboratories throughout the United States. Current and past QC/QA program results are available in the laboratory for inspection.

Accuracy and Precision

The phase abundances provided by point count may be considered within the limits of variability inherent in the method employed. For point counts the detection limit of 0.25% is based on one asbestos point counted over 400 non-empty points. If no points are counted and asbestos is identified, the result will be reported as trace. For ELAP trace is < 1%.

The analyses were supervised by Milena Bonezzi, Director of Laboratory Services, who has extensive experience in asbestos analysis by PLM and other methods. Please contact me regarding any questions relating to these materials at 212-353-8280 Ext. 247.

1. EPA Methods: 600/M4-82-020

2. ELAP Method: 4088 Items 198.1 and 198.4 and 198.6 and 198.8

Sincerely.

Milena Bonezzi

ATC Group Services LLC

Director of Laboratory Services

0103 2m

NICHE ANALYSIS, INC.



399 Knollwood Road, Suite 208 · White Plains, NY 10603 Tel: (914) 288-0805 · Fax: (914) 288-0807

BULK SAMPLE ANALYSIS REPORT

BIDWELL ENVIRONMENTAL, LLC 1353 KINGS HIGHWAY P.O. BOX 266 SUGAR LOAF, NY 10981 Niche Project #: 17-22069-1

PROJECT:	Kensico Lab	ANALYST:	Bing Liang
BIDWELL PROJECT #:	NA	DATE SAMPLED:	12-18&19-2017
LOCATION:	Various	DATE RECEIVED:	12-20-17
SCOPE OF WORK:	Interior Renovation	DATE ANALYZED:	12-22-17

Sample No./ Lab ID	Type of Material	Color	Area	Asbestos Content & Percent	Non-Asbestos Fiber Content & Percent	Non Fibrous
CAT423-2nd	Wall Mortar	Green	2nd Floor/ Women's	ND	ND	100% Mineral Filler
ASB-21			Restroom			
B12006681						
CAT423-2nd	Wall Mortar	Green	2nd Floor/ Men's	ND	ND	100% Mineral Filler
ASB-25			Restroom			
B12006682						
CAT423-2nd	Radiator Shielding	Black	2nd Floor/ Stairwell	80% Chrysotile	ND	5% Paint
ASB-28		White				15% Other
B12006683						
CAT423-2nd	Radiator Shielding	Black	2nd Floor/ Library and	NA/PS		
ASB-29		White	Conference Room			
B12006684						
CAT423-ATT	Chimney Mortar	Gray	3rd Floor/ Attic	ND	ND	100% Mineral Filler
ASB-32						
B12006685						
CAT423-ATT	Chimney Mortar	Gray	3rd Floor/ Attic	ND	ND	100% Mineral Filler
ASB-33						
B12006686						
CAT423-1st	Lab Countertop	Black	1st Floor/ General Lab	ND	ND	100% Other
ASB-34						
B12006687						
CAT423-1st	Countertop Bonding	Black	1st Floor/ General Lab	ND	ND	100% Other
ASB-35	Agent					
B12006688						
CAT423-1st	Countertop	Black	1st Floor/ Physical Lab	ND	ND	100% Other
ASB-37						
B12006689						

Report Prepared By: JD Page 1 of 3





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Tel: (914) 288-0805 · Fax: (914) 288-0807

Sample No./ Lab ID	Type of Material	Color	Area	Asbestos Content & Percent	Non-Asbestos Fiber Content & Percent	Non Fibrous
CAT423-1st	Canvas Wire Wrap	Brown	1st Floor/ General Lab	80% Chrysotile	5% Cellulose	15% Other
ASB-38						
B12006690						
CAT423-1st	Canvas Wire Wrap	Brown	1st Floor/ General Lab	NA/PS		
ASB-39						
B12006691						
CAT423-1st	Rope Gasket	White	1st Floor/ Autoclave	ND	100% Fiberglass	ND
ASB-40			Room			
B12006692						
CAT423-1st	Rope Gasket	White	1st Floor/ Autoclave	ND	100% Fiberglass	ND
ASB-41			Room			
B12006693						
CAT423-BASE	Boiler Packing Rope	Black	Basement/ Boiler Room	ND	90% Fiberglass	10% Gypsum
ASB-44		Brown				
B12006694						
CAT423-BASE	Boiler Packing Rope	Black	Basement/ Boiler Room	ND	95% Fiberglass	5% Gypsum
ASB-45						
B12006695						
CAT423-BASE	Fire Brick	Red	Basement/ Boiler Room	ND	ND	100% Mineral Filler
ASB-46						
B12006696						
CAT423-BASE	Fire Brick	Red	Basement/ Boiler Room	ND	ND	100% Mineral Filler
ASB-47						
B12006697						
CAT423-BASE	Wall Penetration	White	Basement/ Boiler Room	ND	ND	50% Mineral Filler
ASB-48	Sealant	Brown				50% Gypsum
B12006698						
CAT423-BASE	Wall Penetration	Brown	Basement/ Boiler Room	ND	ND	70% Gypsum
ASB-49	Sealant					30% Mineral Filler
B12006699						
CAT423-BASE	Paper Gasket	White	Basement/ Boiler Room	ND	70% Cellulose	30% Gypsum
ASB-50						
B12006700						
CAT423-BASE	Paper Gasket	White	Basement/ Boiler Room	ND	70% Cellulose	30% Gypsum
ASB-51						
B12006701						
CAT423-BASE	Braided Wire	Brown	Basement/ Boiler Room	ND	20% Cellulose	50% Other
ASB-52		Black			30% Other	
B12006702						

Report Prepared By: JD Page 2 of 3





399 Knollwood Road, Suite 208 · White Plains, NY 10603

Tel: (914) 288-0805 · Fax: (914) 288-0807

Sample No./ Lab ID	Type of Material	Color	Area	Asbestos Content & Percent	Non-Asbestos Fiber Content & Percent	Non Fibrous
CAT423-BASE	Braided Wire	Brown	Basement/ Boiler Room	ND	20% Cellulose	50% Other
ASB-53		Black			30% Other	
B12006703						
CAT423-BASE	Braided Wire	Brown	Basement/ Boiler Room	ND	20% Fiberglass	80% Other
ASB-62		Black				
B12006704						
CAT423-BASE	Braided Wire	Brown	Basement/ Boiler Room	ND	20% Fiberglass	80% Other
ASB-63		Black				
B12006705						
CAT423-BASE	Braided Wire	Brown	Basement/ Boiler Room	ND	30% Cellulose	70% Other
ASB-64		Black				
B12006706						
CAT423-BASE	Braided Wire	Brown	Basement/ Boiler Room	ND	30% Cellulose	70% Other
ASB-65		Black				
B12006707						
CAT423-1st	Fume Hood Shelf	Gray	1st Floor/ Water Lab	ND	40% Cellulose	60% Mineral Filler
ASB-66						
B12006708						
CAT423-1st	Fume Hood Shelf	Gray	1st Floor/ Water Lab	ND	40% Cellulose	60% Mineral Filler
ASB-67						
B12006709						

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsements by NVLAP or any agency of the US government. This report relates only to the items listed. The above samples were collected and submitted to NICHE by the client. All sample information was provided by the client. *Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: NA/PS = Not Analyzed/Stop on Positive, ND = None Detected

SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY – DISPERSION STANDING (PLM-DS)
	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE NYSDOH ELAP "POLARIZED-LIGHT MICROSCOPE METHODS FOR IDENTIFYING AND QUANTITATING ASBESTOS IN BULK SAMPLES" ELAP ITEM 198.1, 04/14/10
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

ELAP#: 11236

BING LIANG
Laboratory Director
Approved Signatory

17-22069-1

Report Prepared By: JD Page 3 of 3

CHAIN OF CUSTODY

(BULK-NOB SAMPLE ANALYSIS)

NICHE ANALYSIS, INC.

399 KNOLLWOOD ROAD, SUITE 208

WHITE PLAINS. NY 10605

P: (914) 288-0805; F: (914) 288-0807

NICHE File #:	17-	2	2	0	6	9	0	2
Reference #:								

42846

	PROJECT NAME:	Kensico lab		
*	PROJECT ADDRESS:			
				Page of
Client: Bidwell		Sampled By:	Turnaro	ound Time
	Bill to:	Sampled Date: /2/8 + 19 /17	Rush; 24 hrs; 48 hrs; 7 2 hr	rs; 5 days; Other
Results	email to:	Contact To:	Delivered Method	# of Samples
☐ <u>rosemary@nicheanalysisinc.com</u>	☐ annie@nicheanalysisinc.com	Phone:	Lab Name ATC LAS	
☐ james@nicheanalysisinc.com	□ bing@nicheanalysisinc.com	Fax:	HIC hAS	
			9	
a uni				

Kensina

Sample ID	HID	Location	Description	Color		Method	(ELAP)
			(Material)		198.6	198.1	198.4
, a		Please See attached coc	P				
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		A-Ry: AIC-M. CeAq 12/21/19	12:30PM	PFR		, 2	

Received By:	Signatu	ire: PK	Date: /2/	20/	Lab Received By: MROKEZY Signature: NO	Date: 2/20/12 074
Relinquished By:	Signatu	ire:	Date:	/	Lab Analyzed By: Signature:	Date: 12/2017
HID = Homogenous ID		NOTES:				n:20
Analyze: ALL STOP @ 1 ST PC	SITIVE					3

42846

NICHE ANALYSIS, INC.

399 Knollwood Road, Suite 208 White Plains, NY 10603 914-288-0805 914-288-0807 (Fax)

TURN AROU	ND TIME:			
RUSH	6 HRS	☐ 24 HRS	 ✓ OTHER	STANDARI

38 NOB PLM/FEB

217-2	200-0007 (Fax)	į		SII UTIKS LIZATIKS	COILLE	<u> </u>		
	ASBESTOS FIELI	SURVE	Y DA	TA SHEET / BULK SAMPL	E LOG	ŧ	PAGE	_ OF
	JECT NO.: 2 - 2 2 0 6 9		LOCA	TION(S) SURVEYED: KENSIC	O LAB			
CLIE	ENT: BIDWELL							
	JECT SITE: KENSICO CAB		SCOP	EDFWORK: [NTEMOR &	ENOVA:	TION		
						THE STREET STREET		~
INVE	ESTIGATOR:		INSPE	ECTOR: M. WELLOCK DA	TE(S) OF INS	PECTION	1:12/1	8+12/19/
	FUNCTIONAL SPACE	SAMPLE #	,	HOMOGENEOUS	QUANTITY	ASSES	SMENT	ASBESTOS CONTENT
FLO	OR AREA DESCRIPTION	ASSUMED		MATERIAL DESCRIPTION	(LF/SF)	COND	FRIAB	%
2	LIBRALY + CONFERENCE ROOM	CAT423 - ZM 1 - ASB - OI	1	GREY VINYL COVEBASE		1, 2, 3, 4, 5, 6, 7 GMD P	NF)	PLM: TEM:
2	١ (CAT423-7 -ASB-02		BROWN MASTIC ASSOC!		1, 2, 3, 4, 5, 6, 7 GMD P	NE	PLM: TEM:
2	[1	-ASB-03	3	BROWN CARPET		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM: TEM:
2	17	CATY23 2NO -ASB-04		GREY GLAZING ON		1, 2, 3, 4, 5, 6, 7 GMD P	F (NF)	PLM:
2	DRAFTING ROOM	CXT423-2NV -ASB-05		GREY CLAZING ON		1, 2, 3, 4, 5, 6, 7 GMD P	E NF	PLM:
2	ίζ	CAT473. ZND -ASB-06	5	BLACK CONDUIT		1, 2, 3, 4, 5, 6, 7 G ND P	L. CE	PLM: TEM:
2	(1	CAT423-2NI)	5	10.		1, 2, 3, 4,	F_	PLM:
2	U	-ASB-07 CATUR3-ZND	 	GREEN LINOLEUM		5, 6, 7 GMD P 1, 2, 3, 4,	(F)	PLM:
	V(-A5B-08	6	FLOOR		5, 6, 7 G000 P	NF	TEM:
2	ιι	CAT423-2ND -A5B-09		GREEN LINOLEUM FLOOR		1, 2, 3, 4, 5, 6, 7 G (10) P	(NF)	PLM: TEM:
PHYSIC	CAL CONDITION ASSESSMENT FRIABLE PLM - POLARIZED LIGHT MICI	ROSCOPY	TEM - TI	RANSMISSION ELECTRON MICROSCOPY BY	NYSDOL INSPE	CTOR:	2-147	116
Damagnd or Significantly Damagnd Friable TSI Damagnd Friable Surfacing ACM Significantly Damagnd Friable Surfacing ACM Damagnd or Significantly Damagnd Friable Misc. ACM ACBH with potential for Damagna ACBH with potential for Stynificant Damagna Ramalning Friable or Surface Cat. — Good / MD — Minor Damagna / P -Poor RECEIVED BY: RECEIVED BY: RECEIVED BY: RECEIVED BY:				DATE: 12/20/17 TIME: DATE: 12/20/17 TIME:	TELEPHONE NO ADDRESS 353 1. A visual determin 2. Collect bulk samp 3. A physical "Hand 4. Assessment of so 5. Quantify the amo 6. Submit bulk samp 7. Bulk Sample loce	K MCF ation of accessibilities of suspect by Pressure* test for a suspect finable and the suspect from the s	HIGWU ole suspect mate uilding materials or determining fr d non-friable mai atterials in their by PLM and/or ct materials were	A Y SOCIA LOA rials and condition. iability and conditions, respective locations. FEM Method. a Identified on the
_/	VOR-DWA ATO A ANALYZE:	ALL TA	STOP A	T FIRST POSITIVE PLM TEM	appropriate build 8. A Chain of Custo			ples to the laboratory.

NICHE ANALYSIS, INC. 399 Knollwood Road, Suite 208 White Plains, NY 10603 914-288-0805 914-288-0807 (Fax)

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TURN AROL	JND TIME:			
RUSH	6 HRS	24 HRS	OTHER	

	and declarate	ASBESTOS FIE	LD SURVE	Y DA	ATA SHEET / BULK SAMPL	FLOG		DAGE	2 OF 6
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	JENT: BIRWE				HONISI SURVETED: WENT	CO LT	· D		
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		CMA1 0040F			ECTOR: M. VEUCK DA	TE(S) OF INS	3PECTION	N: 12/18	12/19/17
FLO	0.0=	ONAL SPACE	SAMPLE# OR	<u> </u>	HOMOGENEOUS	QUANTITY	ASSES	SSMENT	ASBESTOS
2	AILAL	A DESCRIPTION	ASSUMED		MATERIAL DESCRIPTION	(LF/SF)	COND	FRIAB	CONTENT
	PRAFTING	G ROOM	-ASB-10	-	BROWN MASTIC UPPER GREEN FLOOR	(1.10)	1, 2, 3, 4,		% PLM:
2	11		CATTY23-ZNID -ASB-11		BROWN MASTIC UNDER		5, 6, 7 GMDP 1, 2, 3, 4,		PLM:
2	HALLWAY		CAT423.2N		BLACK VINYL	 	5, 6, 7 G (ND)P	(F)	TEM:
2	21	1	-A5B-17		COVEBASE	 '	5, 6, 7 GMD P	NF)	PLM: TEM:
7			-ASB-13 CATT423-2MD	9	BROWN MASTIC BEHIND CONFIBASE		1, 2, 3, 4, 5, 6, 7 G)MD P	F	PLM: TEM:
7	М		-A5B-14	10	BEIGE WAY EF LOORING	1	1, 2, 3, 4, 5, 6, 7	F	PLM:
	И		CAT473-2ND	111	BROWN MASTIC UNPER	ĺ	1, 2, 3, 4, 5, 6, 7		PLM:
2	LUNCH ROC	L	CAT423-2ND		BEIGE LINOLEUM	 '	GAND P	(F)	TEM:
2		OFI	-ASB-16	8	BLACK VINY L COVEBASE	1	1, 2, 3, 4, 5, 6, 7 GMD P	1 / 137 1	PLM:
7	11		CAT43-2WD -745B-17	7	BROWN MASTIC BKHIND BLACK UNLY L COVERSE		1, 2, 3, 4, 5, 6, 7	NF.	PLM:
	11		CAT473-1NP -ASB-18	10	BEIGE LINOLEUM		GMD P 1, 2, 3, 4, 5, 6, 7	F	PLM:
1 Damaged or 5	or Sink or o	FRIABLE PLM - POLARIZED LIGHT MICR	100		FLQO FLAVO ANSMISSION ELECTRON MICROSCOPY	NYSDOL INSPECT	@MDP	®	TEM:
3 Significantly D	by Damagod Friable Surfacing ACM	Yes (Y) RELINQUISHED BY: MC(N) PECEIVED DY PAGE 187	felle a		17 12 12 12 OCBY	CERTIFICATE NO	2: . 12	-1/	
6 ACBM with pol 7 Remaining Edit	potential for Significant Damage Erithle or Surged (CCC)	RECEIVED BY OSCITULE RELINQUISHED BY:	Ruf Nette		ATE: 12/20/17 TIME:	1. A visual determination	tion of accessible s	o suspect materials	ials and condition.
G - Good / M	/ MD - Minor Damage / P -Poor	RECEIVED BY:			TIME:	A physical "Hand Pre Assessment of susper Quantify the amount	Pressure* test for despect friable and no	r determining friabil non-friable materia	ability and condition.
IELD MY	/TES:	ANALYZE:	TALL TXS		FIDOTECHNIC	7. Bulk Sample location	ons and suspect m	y PLM and/or TEM I materials were ide	EM Method. Identified on the
			7,	Or A.	FIRST POSITIVE PLM TEM	8. A Chain of Custody r	record accompa	inled the sample	s to the laboratory.

NICHE ANALYSIS, INC. 399 Knollwood Road, Suite 208 White Plains, NY 10603 914-288-0805 914-288-0807 (Fax)

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TURN AROL	JND TIME:			
RUSH	6 HRS_	24 HRS	OTHER	

ASBESTOS FIELD SURVE					TA SHEET / BULK SAMPL	E LOG		PAGE 3	OF 8
PROJECT NO.: CLIENT: BID WELL					ITION(S) SURVEYED: KENSI C				
PROJECT SITE:		OLAB		SCOP	PEOFWORK: INTERIOR F	LENOVATI	ON		
INVESTIGATOR:		-		INSPE	ECTOR: M. WELLOCK DA	TE(S) OF INS	PECTION	1: <u>12/18</u>	717/19/17
FUI	ICTIONAL S	SPACE	SAMPLE #		HOMOGENEOUS	OHANTITY	ASSES	SMENT	ASBESTOS
	AREA DESC	CRIPTION	OR ASSUMED	HID	MATERIAL DESCRIPTION	QUANTITY	COND	FRIAB	CONTENT
2 LUN	H ROE	PM	CAT423-2	12	BROWN MASTIC/GREY LEVELING COMPOUND	(LF/SF)	1, 2, 3, 4, 5, 6, 7		% PLM:
2	١)		CAT923-ZNI -ASB-ZO		BROWN MASTIC/GREY LEVELING COMPOUND		(GMD P 1, 2, 3, 4, 5, 6, 7		TEM: PLM: TEM:
2 WOM	ENS	RESTREOM	CAT423-2ND -ASB-21	13	CREEN WALL		GMD P 1, 2, 3, 4, 5, 6, 7 GMD P	F (NF)	PLM: TEM- NO
Z WATER	SHED C	OFFICE	-ASB-ZZ	1	GREY VINYL COVEBASE		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM:
2	11		CATURZZINI - ASB-23	2	BRANN MASTIC ASSOCIA- W/ GREY COVERSE		1, 2, 3, 4, 5, 6, 7	F	PLM:
2	11		CAT423-14 ASB-24	3	BROWN MASTIC UNDER		1, 2, 3, 4, 5, 6, 7	F OF	PLM:
2 MENS	PEST	(Reoh	CAT423-245 -ASB-25	13	CHEEN WALL HORTAR	-	GMD P 1, 2, 3, 4, 5, 6, 7	E (F)	PLM:
2 WOMEN'S	REST	ROOM	CAT423-7W		BLACK GARK CAUK ON PADIATOR		GMD P 1, 2, 3, 4, 5, 6, 7	E GE	TEM: NO
2 HENS		ROOM	CAT423-20 -A5B-27		BLOCK CALLY ON RADIATOR		G (MD) P 1, 2, 3, 4, 5, 6,-7		PLM:
PHYSICAL CONDITION ASSESSM	ENT FRIABLE	TEM TOBINIZED EIGHT WICK	SCOPY	TEM - TR	ANSMISSION ELECTRON MICROSCOPY	NYSDOL INSPECT	TOR: 12	-14716	TEM:
Damaged er Significantly Dameged Erlable TSI Oranged Friable Surfacing ACM Significantly Damaged Friable Surfacing ACM Damaged or Significantly Damaged Erlable Miss ACBIA with potential for Damage ACBIA with potential for Sugnificant Damage Remaining Friable or Suspect ACBIA — Good / M.D.— Minor Damage / PP. ELEL D. NOTES		RELINQUISHED BY: // // RECEIVED BY: // RELINQUISHED BY: RECEIVED BY:	anj Rela	to o	ATE: 12/20/17 TIME: QC BY ATE: 12/20/17 TIME: ALC ATE: 2/20/17 TIME: ALC ATE: 2/20/17 TIME: MICO	TELEPHONE NO ADDRESS 1353 1. A visual determination 2. Collect bulk sample 3. A physical "Hand Pid. Assessment of sus; 5. Quantify the amount 5. Submit bulk sample 5.	S4S SU on of accessible is of suspect but ressure* test for rect friable and of of suspect ma	S VICTO suspect materials. determining frail denorfrable materials in their real and their rea	als and condition. NY which are condition. It is an observed to be condition. It is an observed to be conditions.
FIELD NOTES:		ANALYZE:	□ ALL □X		FIRST POSITIVE PLM TEM	7. Bulk Sample location appropriate building 8. A Chain of Custody	ons and suspect	materials were i	dentified on the

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TURN AROUND	TIME:			
RUSH [6 HRS	24 HRS	OTHER	

ASBESTOS FIELD SURVEY DATA SHEET / BULK SAMPLE LOG PAGE 4 OF O PROJECT NO .: LOCATION(S) SURVEYED: WENSIGO RAB BIDWEU CLIENT: PROJECT SITE: KENSICO LAB SCOPE OF WORK: INTVERIOR OF RENDUATION INVESTIGATOR: INSPECTOR: M WELLOCK DATE(S) OF INSPECTION: 12/18+ 12/19//> **FUNCTIONAL SPACE** SAMPLE # ASBESTOS ASSESSMENT HOMOGENEOUS OR QUANTITY **FLOOR** CONTENT AREA DESCRIPTION ASSUMED HID MATERIAL DESCRIPTION COND FRIAB (LF/SF) STAIRWELL CAT423-2N WHITE RADIATOR 1, 2, 3, 4, PLM: -45B-28 5, 6, 7 SHIELDING MF (G)MD P TEM: No CAT423.200 LIBRARY + CONFERENCE ROOM WHITE RADIATOR 1, 2, 3, 4, PLM: -ASB-291 5, 6, 7 GMD P SHIELDING-TEM: No CAT423-AND ATTIC BLACK GASIGET ON LIVAC 1, 2, 3, 4, PLM: -A5B-30 5, 6, 7 ACCESS HATCHEN UNIT (NF) 3 G MD/P TEM: 4T423-A97 11 BLACK GASUE TON 1, 2, 3, 4, NF) PLM: -A5B-31 5, 6, 7 GMD P ITAN # Z ACCESS WATCH TEM: CAT 4234 GREY CHIMNEY 1, 2, 3, 4, PLM: -ASB-32 5, 6, 7 G)MD P MORTAR (NF) TEM: TAT43-119 CREY CHIMNEY 1, 2, 3, 4, PLM. 5, 6, 7 -ASB-33 MORTAR (NF) GMDP TEM: 18 BLACK LAR GENERAL LAB CAT423-15T HOLD 1, 2, 3, 4, PLM: -ASB-34 5, 6, 7 ©MD P COUNTERTOP (NF) TEM: CAT423-IST BIXK COUNTERTOP 1, 2, 3, 4, PLM: -ASB-35 5, 6, 7 BOURNG AGENT @MD P TEM: CAT473-15[) [BLACK COUNTERTOP 1, 2, 3, 4, PLM: -45B-36 BONDING AGENT 5, 6, 7 PHYSICAL CONDITION ASSESSMENT & MD P TEM: FRIABLE PLM - POLARIZED LIGHT MICROSCOPY TEM - TRANSMISSION ELECTRON MICROSCOPY NYSDOL INSPECTOR: 12 - 14716 1 Darmaged or Significantly Darmaged Frieble TS1 CERTIFICATE NO .: . 2 Camaged Friable Surfacing ACM Yes (Y) RELINQUISHED BY: DATE: 12/20117TIME: 008Y TELEPHONE NO 845 545 0411 3 Significantly Damaged Friable Surfacing ACM ADDRESS MICHIMAY SUCARLOAF, NY 4 Damaged or Significantly Damaged Friable Miss. ACM No (N) RECEIVED BY: 5 ACBM with potential for Damago 1. A visual determination of accessible suspect materials and condition. 5 ACBM with potential for Significant Damage Collect bulk samples of suspect building materials. 7 Remaining Frieble or Suspect ACSN RELINQUISHED BY: 3. A physical "Hand Pressure" test for determining friability and condition, G - Good / MD - Minor Damage / P -Poor 4. Assessment of suspect friable and non-friable materials and locations. RECEIVED BY: 5. Quantify the amount of suspect materials in their respective locations. FIELD NOTES: 6. Submit bulk samples for analysis by PLM and/or TEM Method. 7. Bulk Sample locations and suspect materials were Identified on the appropriate building floor plan diagram with the sample number. ANALYZE: ALL STOP AT FIRST POSITIVE PLM 8. A Chain of Custody record accompanied the samples to the laboratory. TEM

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TURN AROL	JND TIME:			
RUSH	6 HRS	24 HRS	OTHER	18

ASBESTOS FIELD SURV	VEY DA	TA SHEET / BULK SAMPL	_E LOG		PAGE -	5 of 8	
PROJECT NO.: CLIENT: BIDWEU		ATION(S) SURVEYED: KENSI					
PROJECT SITE: KENSI CO LAB	SCOP	PE OF WORK: INTERIOR	RENO	VATIE	2N	-	
INVESTIGATOR:	INSPF	PECTOR: M. WELLOCK DA	ATE(S) OF INS	3PECTION	N:\2/18	+12/19/17	7
FUNCTIONAL SPACE SAMPLE OR AREA DESCRIPTION	LE#	HOMOGENEOUS	QUANTITY	ACCEC	SSMENT	ASBESTOS CONTENT	
AREA DESCRIPTION ASSUMI	MED HID	WHERE DESORT TION	(LF/SF)	COND	FRIAB	CONTENT %	
PHYSICAL LAB CA1923-ASB-3	-37 18			1, 2, 3, 4, 5, 6, 7 ©MD P	Ę.	PLM: TEM:	
GENERAL LAB CAGAS-3	38 20	WAR		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM: TEM:	
GENERAL LAB CATURES -ASB-3.	39 20	WRAP		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM: TEM:	
AUTOCLAVE ROOM CAT423-	40 21	124175 POPE	1	1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM: TEM:	
1 CAT423-L -A5B-4	41 21	WHITE ROPE GASIKET	1	1, 2, 3, 4, 5, 6, 7 GMD P	E NF	PLM: TEM:	
-1 BOILER ROOM : -ASB-4	1	SILVED BOUTE	1	1, 2, 3, 4, 5, 6, 7	F	PLM:	
-1 CATEB-E		SILVEL BOILER		G MD © 1, 2, 3, 4, 5, 6, 7	F	PLM:	1
-1 CATTY3-BA	BASE 23	BLACK BOILER PACKING		1, 2, 3, 4, 5, 6, 7	ME)	PLM:	1
- CAT473.1 - ASB-4	3-60E32	BLACK BOLER PACKING	<u> </u>	5, 6, 7	(NF)	TEM:	-
PHYSICAL CONDITION ASSESSMENT FRIABLE PLM - POLARIZED LIGHT MICROSCOPY	7	RANSMISSION ELECTRON MICROSCOPY	1 1	1 5000 - 1	NE	TELL	4
1 Damsgoed or Significantly Damsgoed Friable TSI 2 Damsgoed Friable Surfacing ACM 3 Significantly Damsgoed Friable Misc. ACM 4 Damsgoed or Significantly Damsgoed Friable Misc. ACM 5 ACBM with potential for Damsgoe 6 ACBM with potential for Damsgoe 7 Romaining Friable or Suspect ACBM C - Good / MD - Minor Damsgoe / P -Poor RECEIVED BY: RELINQUISHED BY: RELINQUISHED BY: RECEIVED BY:	DA	DATE: 12/20/17 TIME: DATE: 42/20/17 TIME:	TELEPHONE NO ADDRESS 1753 1. A visual determination 2. Collect bulk samples 3. A physical "Hand Pre 4. Assessment of susp. 5. Quantify the agreement 5. Quantify the agreement should be supplied to the property of the prop	ation of accessible at the street from the street for dispect build pressure test for dispect from the street	VIOH Les suspect materials and determining friabil non-friable materials.	LNAY, SUCIAIR Londition, And and condition, ability and condition, enters and locations.	o an
FIELD NOTES:	STOP AT		Submit bulk samples Bulk Sample location appropriate building A Chain of Custody	ions and suspect m	by PLM and/or TEM t materials were ide	EM Method. Identified on the	

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LA	2846	
0	- 111	

TURN AROL	JND TIME:			
RUSH	6 HRS	24 HRS	OTHER	

ASBESTOS FIELD SUF	JRVEY DA	TA SHEET / BULK SAMPL	FIOG		54056	9 OF 8
PROJECT NO.:			_			2 OF 0
CLIENT: BIDWELL	LUCA	ATION(S) SURVEYED: KENS	2140 1	LAB	,	
PROJECT SITE: KENSIGO LAB	SCOF	PE OF WORK: INTERFOR	REA	VOVAT		· ·
INVESTIGATOR:	INSPF	ECTOR: M. WELLOUK DA	ATE(S) OF IN!	SPECTIO	IN. 12/1	8 - 17/19/17
The state of the s	MPLE#			ACCEC		ASBESTOS
	OR SUMED HID	HOMOGENEOUS MATERIAL DESCRIPTION	QUANTITY		SSMENT	CONTENT
- Ray 50 CATARE	423-BASE	MATERIAL DESCRIPTION RED FIRE BRICK	(LF/SF)	COND		%
TO CELL DOOR	0 700	WACY TIME DIKIN	ļ!	1, 2, 3, 4, 5, 6, 7 G MDP		PLM: TEM:
-\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \	56-47 24	RED FIRE BRICE		1, 2, 3, 4, 5, 6, 7 G(MD) P	-	PLM:
CAT 4"	423-18ASE	OR GREY WALL		1, 2, 3, 4,	E	TEM: PLM:
-1 11 CAT42	473-BASE	CHEY WALL PENETRATION	,†!	GMDP 1, 2, 3, 4,		TEM:
	22-86	SEALANT	1	5, 6, 7 GMD P	NF	PLM: TEM:
A5B-	B-50 26	MITE PAPER GASKET	1	1, 2, 3, 4, 5, 6, 7 G MD(P)		PLM: TEM:
	923-BASE 26	11		1, 2, 3, 4, 5, 6, 7	F	PLM:
CAT423	73- BASE	BLACK BRAIDED WIFE		G MD(P)		TEM:
CARONE .	30-52 C([]	5, 6, 7 © MD P	F NF	PLM: TEM:
466-	3-53	BLACK BRAIDED WIFE		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM:
- (CATE-123-	~ 0.100	CREY DOOR GLAZING		1, 2, 3, 4,	E	TEM: PLM:
PLM - POLARIZED LIGHT MICROSCOPY		ANSMISSION ELECTRON MICROSCOPY	NYSDOL INSPECT	5, 6, 7 GMDP	(NF)	TEM:
1 Oarnogod or Significandly Oarnogod Friable TSI 2 Oarnogod Friable Surfacing ACM 3 Significantly Darnagod Friable Surfacing ACM 4 Oarnagod or Significantly Darnagod Friable Surfacing ACM No (N) RECFIVED BY: RELINQUISHED BY: No (N) RECFIVED BY: RECF	7	12 12 12 1	CERTIFICATE NO.	0.:12	-1471 45 0411	
5 ACBM with potential for Sampage Frishlo Mise. ACM 6 ACBM with potential for Camage 6 ACBM with potential for Significant Camage 7 ACBM with potential for Significant Camage 8 ACBM with potential for Significant Camage 9 ACBM with potential for	KL DAT	ATE: 12/20/1-TIME:	1. A visual determinatio 2. Collect bulk samples	don of accessible	io susped materi:	SUVAR COLLET, NI
G - Good / MD - Minor Damage / P -Poor RECEIVED BY		ALE: TIME:	A physical "Hand Pre Assessment of susper Quantify the amount	Pressure* test for di spect friable and no	or determining friable non-friable materia	ability and condition.
FIELD NOTES:		ATE: 720/2TIME. 1/1520	Submit bulk samples Bulk Sample location	ies for analysis by ions and suspect n	atenals in their resp by PLM and/or TEM	EM Method.
ANALYZE: ALL	SESTOP AT F	CIOOT DOOR	appropriate building f 8. A Chain of Custody r	in there also disere	aram width the	CONTRACTOR OF THE PROPERTY OF

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j	1	N	(V	6
C	V	V)		

914-288-0805 914-288-0807 (Fax)	*	TURN	AROUND TIME: SH	OTHE	R		· *
ASBESTOS FIELD	SURVE	Y DA	TA SHEET / BULK SAMPL			, , ,	Z 0F_8
PROJECT NO.:	· .		TION(S) SURVEYED: 以伝いら			PAGE	OF
CLIENT: BIDWELL		LOCA	HONIST SURVETED: WIZOS	LO CA	ß		
PROJECT SITE: KENSICO LAB		SCOP	E OF WORK: INTERIOR	RENOVA	FTION		
INVESTIGATOR:		INSPE	CTOR: H. WE WOLK DA	TE(S) OF INS	PECTION	v: 12/1	8 +12/19/1
FLOOR AREA DESCRIPTION	SAMPLE# OR		HOMOGENEOUS	QUANTITY	1	SMENT	ASBESTOS CONTENT
AREA DESCRIPTION	ASSUMED		MATERIAL DESCRIPTION	(LF/SF)	COND	FRIAB	%
- BOILER POOM STORAGE ROOM		28	CREY DOOR GLAZING		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM:
1 EXTERIOR	-ASB-56	7 29	LAULK WPOW	-	1, 2, 3, 4, 5, 6, 7 G MD P	NE	PLM:
11	ASB-57	29	WHITE WINDOW CAUK		1, 2, 3, 4, 5, 6, 7 GMD P	F NF	PLM: TEM:
1 GENERAL LAB	-ASB-S8	30	BEIGE CINOLEUM FLOOPING		1, 2, 3, 4, 5, 6, 7 G(MD)P	E NF	PLM:
1 (CAT473-15T -ASB-59	31	BROWN MASTIC		1, 2, 3, 4, 5, 6, 7 G/MD) P	F MF)	PLM:
WATER + SEWAGE LAB	CAT423-15T -ASB-60	30	BEIGE LINOLEUM FLOORING		1, 2, 3, 4, 5, 6, 7		PLM:
[[CAT423-15T -ASB-61	314	BROWN MASTIC		G MDP 1, 2, 3, 4,		TEM: PLM:
-1 BOILER ROOM	CAT423-BA	E_	LANGE LINOLEUM		5, 6, 7 G MDP 1, 2, 3, 4,	F F	TEM: /
-(11	A5B-62 CAT423-84	-	WHITE BRAIDED		5, 6, 7	MF	TEM:
PHYSICAL CONDITION ASSESSMENT FRIABLE PLM - POLARIZED LIGHT MICROS	ASB - 63	32	WIRE	ADVODOL MARKE	5, 6, 7 GMD P	QF)	PLM: TEM:
1 Damagod or Significantly Damagod Frlabio TSI 2 Damagod Frlabio Surfacing ACM 3 Significantly Damagod Frlabio Surfacing ACM 4 Damagod or Significantly Damagod Frlabio Misc. ACM 5 ACBM with potential for Damago 5 ACBM with potential for Significant Damago 6 Teamshing Frields or Suspect ACBM 6 — Good 7 MD — Mignt Damagoe / P. Peor	Un Reli	DA	ANSMISSION ELECTRON MICROSCOPY ATE: 12/20/17 TIME: ATE: 12/20/17 TIME: ATE: 12/20/17 TIME:	1. A visual determinati 2. Collect bulk sample 3. A physical "Hand Pr	NGS VI	suspect materials.	SUGAR LOA als and condition. NY
						rials and locations, specifive locations, Method, dontified on the	

NICHE ANALYSIS, INC.

BIDWELL

PROJECT SITE: KENSICO, CAB

399 Knollwood Road, Suite 208 White Plains, NY 10603 914-288-0805 914-288-0807 (Fax)

PROJECT NO .: CLIENT:

INVESTIGATOR:

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1	1	V		

				•					42840
		TURN		JND TIME:	☐ 24 HRS	OTHE	₹	~	
ASBESTOS FIELD	SURVE	Y DA	TA S	HEET / BU	JLK SAMPL	E LOG		PAGE_	3_ OF_&_
		LOCA	TION(S) SURVEYED	: KENS(40 LAB			
Le CAB		SCOP	E OF I	WORK: NOT	FRIOR	RENOVA	TION		
		INSPE	CTOR	8: HINELL	ock DA	ATE(S) OF INS	PECTION	1: <u>12/18</u>	+12/19/1-
20515-101	SAMPLE# OR			HOMOGENEO	<u>us</u>	QUANTITY	ASSES	SMENT	ASBESTOS CONTENT
	ASSUMED			MATERIAL DES		(LF/SF)	COND	FRIAB	%

FUNCTIONAL SPACE STOS **FLOOR** TENT **AREA DESCRIPTION** BOILER ROOM PEN BRAIDED WIRE 1, 2, 3, 4, PLM: 5, 6, 7 GMD P NF TEM: CA7423-BAS RED BRAIDED MRF 1, 2, 3, 4, PLM: 5, 6, 7 (NF) G)MD P TEM: (A(423-15 FUNE HOOD 1, 2, 3, 4, PLM: 5, 6, 7 GMD P SHECF NE TEM: X(423-19 TAH FUME WOOD 1, 2, 3, 4, 11 PLM: 5, 6, 7 ASB-67 SHELF ME GMD P TEM: 1, 2, 3, 4, PLM: F 5, 6, 7 NF GMDP TEM: 1, 2, 3, 4, PLM: F 5, 6, 7 NF TEM: GMDP 1, 2, 3, 4, F PLM: 5, 6, 7 NF TEM: GMDP 1, 2, 3, 4, PLM: 5, 6, 7 NF GMDP TEM: 1, 2, 3, 4, PLM: F 5, 6, 7 NF PHYSICAL CONDITION ASSESSMENT TEM: GMDP FRIABLE PLM - POLARIZED LIGHT MICROSCOPY NYSDOL INSPECTOR: TEM - TRANSMISSION ELECTRON MICROSCOPY CERTIFICATE NO .:

STOP AT FIRST POSITIVE

 Darmaged or Significantly Carnaged Frieble 7St 2 Carnaged Friable Surfacing ACM 3 Significantly Darmaged Friable Surfacing ACM Yes (Y) RELINQUISHED BY: 4 Damaged or Significantly Damaged Friable Mise, ACM No (N) RECEIVED BY: 5 ACBM with potential for Damage 6 ACBM with potential for Significant Damage 7 Remaining Frieble or Suspect ACSM RELINQUISHED BY: G - Good / MD - Minor Damage / P -Poor RECEIVED BY: FIELD NOTES:

ANALYZE: ALL

TEM

PLM

4. Assessment of suspect friable and non-friable materials and locations, 5. Quantify the amount of suspect materials in their respective locations.

TELEPHONE NO ADDRESS:

5. Submit bulk samples for analysis by PLM and/or TEM Method. 7. Bulk Sample locations and suspect materials were Identified on the

1. A visual determination of accessible suspect materials and condition.

3. A physical "Hand Pressure" test for determining friability and condition.

Collect bulk samples of suspect building materials.

appropriate building floor plan diagram with the sample number. 8. A Chain of Custody record accompanied the samples to the laboratory.



AIC - New York

104 East 25th Street, New York, NY 10010 Phone: (212) 353-8280, Fax: (212) 353-3599 or 8306

BULK ASBESTOS ANALYSIS SHEET

Accreditations: NVLAP 101187-0 ELAP 10879

Microscopes: *OLYMPUS BH-2/ NIKON OPTIPHOT

		nti Project is some i si a west francis care	Projec	t Number		NIKON OPTIP	нот
				Batch Number 42846		TEMPERATURE °C 24	
Fleld Number	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V	Gravimetric
Gravimetric Required	Color Sy Texture	Morph Extinction RI L RI II DS Color Color, Pleo Biref Sign Other Identity	Chrysotlle	Cellulose	Mineral Filler	Results	(NOB) Results
Recommended	Homogenity Vermiculite		Amosite	Fiberglass	Organic Binders	See SM-V	See Gravimetric
			Other	Other	Vermiculite *	(ELAP 198.8)	(NOB)
SM-V	# of Layers Asbestos			Cellulose Ondulose Extinction	Other	Analysis Sheet for Results	Analysis Sheet for Results
Required	Color of Layer Detected Yes No		,	Fiberglass isotopic Synthetic High Birefringence			
	Comments: Method: □ ELAP □ EPA □ SCA	NINIVA ADZIAN. H. I.S. I.S. I.S. I.S. I.S. I.S. I.S.		Horse Hair: Scales, Low to Moderate Birefringence			
POINT COUNT RESULTS ON THE BACK	See Note # 1 or Note # 2	ANNING OPTION: ELAP (P.C.) & EPA Q.C.		* If vermiculite is >10% the level of underestimated, See Note #3,	asbestos in a sample might be		
2 Fleld Number	Stereoscopic Exam	PLM Optical Properties	Asbestos	Other Fibrous	Non Fibrous	SM-V	Gravimetric
Gravimetric	Color BY Texture	Morph Extinction RI + RI II DS Color Color, Pleo Biref Sign Other Identity	Results PLM %	PLM %	PLM %	Results	(NOB) Results
Required			Chrysotlle	Cellulose	Mineral Filler	□ See	See
Recommended	Homogenity Vermiculite		Amosite	Fiberglass Other	Organic Binders	SM-V	Gravlmetric
	# of Layers Asbestos □ □		Otrier	Cellulose Ondulose Extinction	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB) Analysis Sheet
SM-V	Color of Layer Detected Yes No			Fiberglass isotopic 🗆	Other	for Results	for Results
Required 🗆	Comments:			Synthetic High Birefringence Horse Hair: Scales, Low to		-	·
POINT COUNT RESULTS ON THE BACK		ANNING OPTION: ELAP (P.C.) & EPA		Moderate Birefringence □ * If vermiculite is >10% the level of	Cochagina in a servela with the		
	See Note # 1 or Note # 2	Q.C. □	· · · · · · · · · · · · · · · · · · ·	underestimated, See Note #3.	gabestos in a sample might be		
Flaid Number 03	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V	Gravimetric
Gravimetric Required	Color BY Texture A	Morph Extinction Ri L Ri II DS Color Color, Plea Biref Sign Other Identity	Chrysotile	Cellulose	Mineral Filler	Results	(NOB) Results
	•				······································	1 1 000	See
Recommended	Homogenity) Vermiculite		Amoslte	Flberglass	Organic Binders	□ See	
Recommended L			Amosite	Fiberglass	Organic Binders Vermiculite *	SM-V (ELAP 198.8)	Gravimetric (NOB)
,	# of Layers Asbestos			Other		SM-V	Gravimetric (NOB) Analysis Sheet
SM-V Required				Other	Vermiculite *	SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB)
SM-V Required 🗆	# of Layers Asbestos Color of Layer Detected Yes No			∴ Other Cellulose Ondulose Extinction □ Fiberglass isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to	Vermiculite *	SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Analysis Sheet
SM-V	# of Layers Asbestos Color of Layer Detected Yes No	ANNING OPTION: ELAP (P.C.) & EPA Q.C.		Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to Moderate Birefringence □ * If vermiculite is > 10% the level of	Vermiculite *	SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Analysis Sheet
SM-V Required POINT COUNT RESULTS ON THE BACK	# of Layers Asbestos Detected Yes No Comments: Method: DELAP DEPA SCA See Note # 1 or Note # 2	Q.C. 🗆	Other	Other Cellulose Ondulose Extinction □ Fiberglass isotopic □ Horse Hair: Scales, Low to Moderate Birefringence □ Alf vermiculle is > 10% the level of underestmated. See Note #3.	Vermiculite *Other Other	SM-V (ELAP 198.8) Analysis Sheet for Results	Gravimetric (NOB) Analysis Sheet for Results
SM-V Required POINT COUNT RESULTS ON THE BACK Field Number	# of Layers Asbestos Detected Yes No Comments:	Q.C. PLM Optical Properties		Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to Moderate Birefringence □ * If vermiculite is > 10% the level of	Vermiculite *	SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Analysis Sheet for Results
SM-V Required POINT COUNT RESULTS ON THE BACK Field Number Grevimetric Required	# of Layers Asbestos Detected Yes No Comments: Method: DELAP DEPA SCA See Note # 1 or Note # 2	Q.C. PLM Optical Properties	Asbestos Results PLM %	Other Cellulose Ondulose Extinction □ Fiberglass isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to Moderate Birefringence □ * If vermiculitie is > 10% the level of understimated, Ses Note #3.	Vermiculite * Other Casbestos in a sample might be	SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results	Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results
SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric	# of Layers Asbestos Detected Yes No Comments: Method: DELAP DEPA SC/See Note #1 or Note # 2 Stereoscopic Exam	Q.C. PLM Optical Properties	Asbestos Results PLM %ChrysotlieAmosite	Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to Moderate Birefringence □ * If vermiculite is > 10% the level of underssilmated, See Note #3. Other Fibrous PLM % ———————————————————————————————————	Vermiculite * Other Casbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders	SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V	GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results GravImetric
SM-V Required POINT COUNT RESULTS ON THE BACK Field Number Grevimetric Required	# of Layers Asbestos Detected Yes No Comments: Method: DELAP DEPA SCA See Note #1 or Note #2 Stereoscopic Exam Color Texture Vermiculite DELAP Vermiculite	Q.C. PLM Optical Properties	Asbestos Results PLM %	Other Cellulose Ondulose Extinction Fiberglass Isotopic Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence * Irvermiculite is > 10% the level or underostlimated. See Note #3. Other Fibrous PLM % Cellulose Fiberglass Other	Vermiculite * Other Casbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8)	Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB)
SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended SM-V	# of Layers Asbestos Detected Yes No Comments: Method: DELAP DEPA SC See Note #1 or Note #2 Stereoscopic Exam Color Texture Vermiculite Defense Asbestos Description of Layers Asbestos	Q.C. PLM Optical Properties	Asbestos Results PLM % Chrysotlie Amosite	Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to Moderate Birefringence □ * If vermiculite is > 10% the level of underssilmated, See Note #3. Other Fibrous PLM % ———————————————————————————————————	Vermiculite * Other Casbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders	SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V	GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results GravImetric
SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended	# of Layers	Q.C. PLM Optical Properties	Asbestos Results PLM % Chrysotlie Amosite	Other Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Horse Hair: Scales, Low to Moderate Birefringence □ Alf vermiculite is > 10% the level of underestimated. See Note #3. Other Fibrous PLM % —Cellulose —Fiberglass —Other Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Synthetic High Birefringence □	Vermiculite * Other Casbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results GravImetric (NOB) Analysis Sheet
SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended SM-V Required Required	# of Layers	PLM Optical Properties Morph Extinction RI + RI II DS Color Color, Pieo Biref Sign Other Identity	Asbestos Results PLM % Chrysotlie Amosite	Cellulose Ondulose Extinction Fiberglass Isotopic Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence * Ir vermiculite is > 10% the level of undersstimated. See Note #3. Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass Isotopic Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence	Vermiculite * Other Casbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results GravImetric (NOB) Analysis Sheet
SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended SM-V	# of Layers	Q.C. PLM Optical Properties	Asbestos Results PLM % Chrysotlie Amosite	Cellulose Ondulose Extinction Fiberglass Isotopic Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence * Irvemiculite is > 10% the level of understimated. Ses Note #3. Other Fibrous PLM % Cellulose PLM % Cellulose Other Callulose Ondulose Extinction Fiberglass isotopic Synthetic High Birefringence Horse Hair: Scales, Low to	Vermiculite * Other Casbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results GravImetric (NOB) Analysis Sheet



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BULK ASBESTOS ANALYSIS SHEET

Accreditations: NVLAP 101187-0 ELAP 10879

Their Number 0 Size reasocyte Exem PLM Optical Properties Results PLM Number 1 Street Number 1		Clie	nt/Project MEChe/Bidwell	Project Number				<u>Microscopes;</u> 'OLYMPUS BH-2/ NIKON OPTIPHOT		
Contraction		Anal	ysls Date 12/2/11 /12 Anal	lyst	7	Batch I	Number 42	846 TEN	PERATURE 10 2	2
Generation Control Processor C	Fleld Number 0	Stereoscopic Exam				Asbestos	Other Flbrous			
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BANY Required Color of Laye Detected Yes No Comments: PROTECTION: PRESENTE OF TIME ACC. Servine Time Acc. PROTECTION: PROTECTI		# of Layers Asbestos □ □	produced beneathing beneathing beneathing beneathing a section			Other)		Analysis Sheet	Analysis Sheet
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Stereoscopic Exam	Kedulred L	Comments:					Horse Hair: Scales, Low to			
Stereoscopic Exam PLM Optical Properties Asbestos Results PLM ½ PL	POINT COUNT RESULTS ON THE BACK	The control of the co	NNING OPTION: ELAP (P.C.) & EPA	Q.C. 🗆	<u> </u>		* If vermiculite is >10% the level of	asbestos in a sample might be		
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# of Layers Asbestos Other SM-V Color of Layer Detected Yes No	Recommended LI	Homogenity Vermiculite								Gravimetric
SM-V Required Color of Layer Detected Yes No Sind Private Halfs Residence Comments: Point Count		# of Layers Asbestos □ ☑							Analysis Sheet	Analysis Sheet
Comments: Herse Hair: Scales, Low to Moderate Birefringence Moder		Color of Layer Detected Yes No							ioi reduita	ioi Results
*If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #1 or Note #2 *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #3. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >10% the level of asbestos in a sample might be understimated. See Note #4. *If vermicullie is >							Horse Hair: Scales, Low to			
Gravimetric Required Recommended Homogenity Vermiculite Detected Yes No De	POINT COUNT RESULTS ON THE BACK		ANNING OPTION: ELAP (P.C.) & EPA	Q.C. 🗆		,	* If vermiculite is >10% the level of	asbestos in a sample might be		1 ,
Gravimetric Required Recommended Homogenity Vermiculite Detected Yes No De	4 Flaid Number	Stereoscopic Exam	PLM Optical	Properties			Other Fibrous	Non Fibrous	SM-V	Gravimetric
Required Recommended Amosite Fiberglass Organic Binders See Se	Tiola Hallingol	CAA - NIT			er Identity					
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	POINT COUNT RESULTS ON THE BACK		MINING OFFICE: ELAP (P.C.) & EPA	q.c. 🗆		`	* If verniculite is >10% the level of	asbasios in a sample might be		



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		, i let a l	1862	BULK ASE		NALYSIS	SHEET			Microscor	oes:
	Clle	ent / Project M.E.Che /	Bidwell	/Keresico	Lak		Project	t Number		NIKON OPTIPI	TOF
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1 Fleld Number 09	Stereoscopic Exam		PLM Optical				Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric (NOB) Results
Gravimetric	Color Texture NE	Morph Extinction RI 1	RI II DS Color	Color, Plao Biref	Sign Other	ldentity	Chrysotlle	Cellulose	Mineral Filler		
Required Recommended	Homogenity Y Vermiculite		-				Amosite	Fiberglass	. Organic Binders	☐ See SM-V	See Gravimetric
	Nothing anity Vermiculte Li						Other	Other	Vermiculite *	(ELAP 198.8)	(NOB)
	# of Layers Asbestos							Callulose Ondulose Extinction 🗆	Other	Analysis Sheet for Results	Analysis Sheet for Results
SM-V Required \square	Color of Layer Detected Yes No	·					620	Fiberglass isotopic Synthetic High Birefringence		*	
rtoquilou E	Comments:			·····				Horse Hair: Scales, Low to			15
POINT COUNT RESULTS ON THE BACK		ANNING OPTION: ELAP (P	.C.) & EPA	Q.C. □				Moderate Birefringence □ * If vermiculite is >10% the level of	asbestos in a sample might be		÷
	See Note # 1 or Note # 2			<u> </u>				underestimated, See Note #3,			
2 Field Number	Stereoscopic Exam		PLM Optical	l Properties			Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric (NOB) Results
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Required Recommended							Amosite	Fiberglass	Organic Binders	☐ See SM-V	See Gravimetric
	Homogenity Vermiculite						Other	Other	Vermiculite *	(ELAP 198.8)	(NOB)
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SM-V Regulred D	Color of Layer Detected Yes No	0			. — —			Fiberglass isotopic Synthetic High Birefringence	-		
Kequileu 🖂	Comments:			- Lineary France				Horse Hair: Scales, Low to			
POINT COUNT RESULTS ON THE BACK	Method: LELAP LEPA SC	CANNING OPTION: ELAP (F	P.C.) & EPA	Q.C.	·			* If vermiculite is >10% the level of	asbestos in a sample might be		
P	See NOW TO NOTE # 2			4.0.7			·	underestimated. See Note #3.			
3 Fleid Number	Stereoscopic Exam		A AMERICAN STREET	l Properties			Asbestos Results PLM %	Other Flbrous PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric (NOB) Results
Gravimetric	Color By Texture NF	Morph Extinction RI 1	RI II DS Color	Color, Plea Biref	Sign Other	Identity	Chrysolile	Cellulose	Mineral Filler	See	
Required Recommended	Homogenity Vermiculite			Pro-			Amoslle	Flberglass	Organic Binders	SM-V	See Gravimetric
	Volumedity						Other	· Other	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB)
	# of Layers Asbestos						-	Cellulose Ondulose Extinction □	Other	for Results	Analysis Sheet for Results
SM-V Required □	Color of Layer Detected Yes N	0				. ——		Fibergiass isotopic Synthetic High Birefringence			
,	Comments:							Horse Hair: Scales, Low to Moderate Birefringence			
POINT COUNT RESULTS ON THE BACK	Method: ELAP EPA So	CANNING OPTION: ELAP (F	P.C.) & EPA	Q.C. 🗆		*******************	I	* If vermiculite is >10% the level of underestimated, See Note #3.	asbestos in a sample might be		
1		7								<u> </u>	
Field Number	Stereoscopic Exam			al Properties			Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric (NOB) Results
Gravimetric Required	Color BK Texture NT	Morph Extinction RI 1	RI II DS Color	Color, Pleo Biref	Sign Other	Identity	Chrysolile	Cellulose	Mineral Filler	☐ See	See
Recommended	Homogenity Vermiculite						Amosite	Fiberglass	Organic Binders	SM-V	Gravimetric
							Other	Other	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB)
	# of Layers Asbestos □							Callulose Ondulose Extinction	Other	for Results	Analysis Sheet for Results
SM-V Required 🗆	Color of Layer \(\) Detected Yes N	0		-				Fiberglass isotopic Synthetic High Birefringence		2	
3 50 1 1000 2 30	Comments:				-	- 		Horse Hair: Scales, Low to Moderate Birefringence			
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP ☐ EPA ☐ SO See Note # 1 or Note # 2	CANNING OPTION: ELAP (F	P.C.) & EPA	Q.C.	1	***********		* If vermiculite is >10% the level o	f asbestos in a sample might be		
	, see at 1 or 100 or 1				•			underestimated, See Note #3,			



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	Gilei	nt/Project N. Lewell / Stawell	Kerisico Cak		Project	t Number		NIKON OPTIP	HOT
1	Anal	ysis Date 121 21 107 Analy	st	11	Batch I	Number 42	846 TEI	MPERATURE °c 2	3
Fleld Number \3	Stereoscopic Exam	PLM Optical P			Asbestos Results PLM %	Other Fibrous	Non Fibrous PLM %	SM-V Results	Gravimetric
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Recommended 🗆	Homogenity Y Vermiculite				Amosite	Fiberglass	Organic Binders	See SM-V	See Gravimetric
					Other	Other	Vermiculite *	(ELAP 198.8)	(NOB)
SM-V	# of Layers Asbestos				*	Cellulose Ondulose Extinction 🗆	Other	Analysis Sheet for Results	Analysis Sheet for Results
Required 🗆	Color of Layer Detected Yes No				2	Fiberglass isotopic Synthetic High Birefringence			10 10 20 50000 A PANAGO
	Comments: Methody □ ELAP □ EPA □ SCA	NAME OF THE PROPERTY OF THE PR				Horse Hair: Scales, Low to Moderate Birefringence		=	
POINT COUNT RESULTS ON THE BACK	See Note # 1 or Note # 2	NNING OPTION: ELAP (P.C.) & EPA	Q.C. 🗆			* If vermiculite is >10% the level of underestimated, See Note #3.	asbestos in a sample might be		
2 Field Number	Stereoscopic Exam	PLM Optical P	ronortion		Asbestos	Other Fibrous	Non Fibrous	0141/	
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Required	Color Beg Texture NE				Chrysollie	Cellulose	Mineral Filler	□ See	See
Recommended	Homogenity Vermiculite				Amosile	Flberglass	Organic Binders	SM-V	Gravimetric
	# of Layers Asbestos				Other	Other	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB) Analysis Sheet
SM-V	Color of Layer Detected Yes No					Cellulose Ondulose Extinction Fiberglass isotopic	Other	for Results	for Results
Required 🗆	Comments:					Synthetic High Birefringence Horse Hair: Scales, Low to			
POINT COUNT RESULTS ON THE BACK		ANNING OPTION: ELAP (P.C.) & EPA	<u> </u>			Moderate Birefringence 🗆			
RESULTS ON THE BACK	See Note # 1 or Note # 2	(114)	000			* If vermiculite is >10% the level of	ashesins in a sample might be	1	
	See Note # of Note # 2		Q.C. Q		¥	underestimated, See Note #3.	generates in a sample might be		
3 Fleid Number	Stereoscopic Exam	PLM Optical P			Asbestos	Underestimated, See Note #3, Other Fibrous		SM-V	Gravimetric
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3 Field Number	Stereoscopic Exam		roperties	iher identity	Results PLM % Chrysolle Amosile	Other Fibrous PLM % Cellulose Fiberglass	Non Fibrous PLM % Mineral Filler Organic Binders	Results See SM-V	(NOB) Results See Gravimetric
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3 Field Number Gravimetric Required Recommended	Stereoscopic Exam Color By Texture M Homogenity Vermiculite # of Layers Asbestos		roperties	ther Identity	Results PLM % Chrysolle Amosile	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	Results See SM-V (ELAP 198.8) Analysis Sheet	(NOB) Results See GravImetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended	Stereoscopic Exam Color Texture Vermiculite		roperties	ther identity	Results PLM % Chrysolle Amosile	Understimated, See Note #3, Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass isotopic Synthetic High Birefringence Horse Half: Scales, Low to Moderate Birefringence	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	Results See SM-V (ELAP 198.8) Analysis Sheet	(NOB) Results See GravImetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI II DS Color Ci	roperties	ther Identity	Results PLM % Chrysolle Amosile	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	Results See SM-V (ELAP 198.8) Analysis Sheet	(NOB) Results See GravImetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI II DS Color Co	roperties loor, Piec Biref Sign Ot	ther Identity	Results PLM % Chrysotlle Amosite Other	Understimated, See Note #3, Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to Moderate Birefringence □ ¹ If vermiculite is > 10% the level of underestimated, See Note #3.	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be	Results See SM-V (ELAP 198.8) Analysis Sheet for Results	(NOB) Results See Gravimetric (NOB) Analysis Sheet for Results Gravimetric
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI II DS Color Co	roperties loc, Pieo Biref Sign Ot	ther identity	Results PLM % Chrysotlie Amosile Other	Underestimated, See Note #3, Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass isotopic Horse Half: Scales, Low to Moderate Birefringence 'If vermiculitie is > 10% the level of underestimated, See Note #3, Other Fibrous PLM %	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM %	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results	(NOB) Results See Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number	Stereoscopic Exam Color Texture Textu	Morph Extinction RI RI II DS Color Co	roperties loor, Pieo Biref Sign Ot		Results PLM % Chrysotlie Amosite Other Asbestos Results PLM %	Understimated, See Note #3, Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction □ Fiberglass Isotopic □ Synthetic High Birefringence □ Horse Hair: Scales, Low to Moderate Birefringence □ ¹ If vermiculite is > 10% the level of underestimated, See Note #3.	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM % Mineral Filler	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results	(NOB) Results See Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI II DS Color Co	roperties loor, Pieo Biref Sign Ot		Asbestos Results PLM % Chrysotlie Amosite Other	Underestimated, See Note #3, Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass isotopic Byuthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence If vermiculite is > 10% the level of underestimated, See Note #3. Other Fibrous PLM % Cellulose	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM %	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8)	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Results
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI II DS Color Co	roperties loor, Pieo Biref Sign Ot		Asbestos Results PLM % Amosits Other Asbestos Results PLM % Chrysotile Amosits	Underestimated, See Note #3, Other Fibrous PLM % Celiulose Fiberglass Other Celiulose Ondulose Extinction Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence 'If vermiculitie 3-10% the level of underestimated, See Note #3. Other Fibrous PLM % Celiulose Fiberglass Other Celiulose Ondulose Extinction Celiulose Ondulose Extinction Celiulose Ondulose Extinction Celiulose Ondulose Extinction	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI II DS Color Co	roperties loor, Pieo Biref Sign Ot		Asbestos Results PLM % Amosits Other Asbestos Results PLM % Chrysotile Amosits	Underestimated, See Note #3, Other Fibrous PLM % Celiulose Fiberglass Other Celiulose Ondulose Extinction Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence If vermiculite is >10% the level of underestimated, See Note #3. Other Fibrous PLM % Celiulose Fiberglass Other Celiulose Ondulose Extinction Fiberglass isotopic	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other Assessos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Results
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended SM-V Required Required Recommended Required	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI DS Color Co	roperties loor, Pieo Biref Sign Ot		Asbestos Results PLM % Amosits Other Asbestos Results PLM % Chrysotile Amosits	Understimated, See Note #3. Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence If Ivermiculite is >10% the level of underestimated. See Note #3. Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass Isotopic Synthetic High Birefringence Horse Hair: Scales, Low to	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other Assessos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended Recommended SM-V	Stereoscopic Exam Color Texture Vermiculite	Morph Extinction RI RI II DS Color Co	roperties loor, Pieo Biref Sign Ot		Asbestos Results PLM % Amosits Other Asbestos Results PLM % Chrysotile Amosits	Underestimated, See Note #3, Other Fibrous PLM % Celiulose Fiberglass Other Celiulose Ondulose Extinction Horse Hair: Scales, Low to Moderate Birefringence Inversely the level of underestimated, See Note #3, Other Fibrous PLM % Celiulose Fiberglass Other Celiulose Fiberglass Other Celiulose Ondulose Extinction Fiberglass isotopic	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other Asbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet



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BULK ASBESTOS ANALYSIS SHEET

Accreditations: NVLAP 101187-0 ELAP 10879

	Clle	nt/Project MEChe/Bidwell/Ke	nisico Lak	Projec		<u>Microscopes:</u> *OLYMPUS BH-2 <i>1</i> NIKON OPTIPHOT		
1	Anal	ysis Date 121 21 107 Analyst	MF	Batch	Number_ 42	846 TEI	MPERATURE °c	wi a
Fleld Number	Stereoscopic Exam	PLM Optical Prop		Asbestos Results PLM %	Other Fibrous	Non Fibrous PLM %	SM-V	Gravimetric
Gravimetric Required	Color BY Texture	Morph Extinction RI L RI II DS Color Color, I	Pleo Biref Sign Other Identit	Chrysotlle	Cellulose	Mineral Filler	Results	(NOB) Results
Recommended 🗆	Homogenity Vermiculite [- Amosite	Flberglass	Organic Binders	☐ See SM-V	See Gravimetric
	# of Layers Asbestos			Other	Other	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB) Analysis Sheet
SM-V	Color of Layer Detected Yes No				Cellulose Ondulose Extinction Fiberglass isotopic	Other	for Results	for Results
Required 🗆	Comments:				Synthetic High Birefringence II Horse Hair: Scales, Low to			=
POINT COUNT RESULTS ON THE BACK	Method: LELAP LEPA SCA	NNING OPTION: ELAP (P.C.) & EPA			Moderate Birefringence 🗆			
	See Note # 1 or Note # 2		a.c. 🗆		* If vermiculite is >10% the level of underestimated, See Note #3,	asbestos in a sample might be		
2 Fleld Number \ 8	Stereoscopic Exam	PLM Optical Prop	Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous	SM-V	Gravimetric	
Gravimetric	Color Rexture Texture	Morph Extinction RI + RI II DS Color Color, I	Pleo Biref Sign Other identit	y Chrysotile	Cellulose	PLM % Mineral Filler	Results	(NOB) Results
Required Recommended	Homogenity Vermiculite			Amosite	Flberglass	Organic Binders	See SM-V	See Gravlmetric
100			manual provinces believes because the contract of	Other	Other	Vermiculite *	(ELAP 198.8)	(NOB)
SM-V	# of Layers Asbestos Color of Layer Detected Yes _No				Cellulose Ondulose Extinction Fiberglass isotopic	Other	Analysis Sheet for Results	Analysis Sheet for Results
Required 🗆	7 2 2 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1				Synthetic High Birefringence			
POINT COUNT RESULTS ON THE BACK	Comments: Method: □ ELAP □ EPA □ SC	NNING OPTION: ELAP (P.C.) & EPA			Horse Hair; Scales, Low to Moderate Birefringence □			
	See Note # 1 or Note # 2		⊋.c. □	v .	* If vermiculite is >10% the level of underestimated, See Note #3,	asbestos in a sample might be		
3 Field Number	Stereoscopic Exam	PLM Optical Prop	ertles	Asbestos Results PLM %	Other Fibrous	Non Fibrous	SM-V	Gravimetric
Gravimetric Required 🗀	Color RV Texture A	Morph Extinction RI + RI II DS Color Color,	Pleo Biref Sign Other Identil	y Chrysollie	PLM %	PLM % Mineral Filler	Results	(NOB) Results
Recommended	Homogenity Vermiculite			Amosite	Flberglass	Organic Binders	☐ See SM-V	See Gravimetric
				Other	Olher	Vermiculite *	(ELAP 198.8)	(NOB)
SM-V	# of Layers Asbestos				Cellulose Ondulose Extinction □ Fiberglass isotopic □	Other	Analysis Sheet for Results	Analysis Sheet for Results
Required 🗆	Color of Layer Detected Yes No				Synthetic High Birefringence			2
POINT COUNT RESULTS ON THE BACK	Comments: Method: □ ELAP □ EPA □ SC	ANNING OPTION: ELAP (P.C.) & EPA			Moderate Birefringence □			-
RESULTS ON THE BACK	See Note #1 or Note #2	(1.1.)	Q.C. 🗆		* If vermiculite is >10% the level o underestimated. See Note #3,	f asbestos in a sample might be		
Field Number 20	Stereoscopic Exam	PLM Optical Prop	perties	Asbestos	Other Fibrous	Non Fibrous	SM-V	Gravimetric
Gravimetric	Color Br Texture NF	Morph Extinction RI L RIII DS Color Color,	Pleo Biref Sign Other Identi	Results PLM % Chrysolile	PLM %	PLM % Mineral Filler	Results	(NOB) Results
Required Recommended	Homogenity Vermiculite			Amosite	Fiberglass	Organic Binders	See _ SM-V	See
				Other	Other	Vermiculite *	(ELAP 198.8)	Gravlmetric (NOB)
SM-V	# of Layers Asbestos			_	Callulose Ondulose Extinction	Other	Analysis Sheet for Results	Analysis Sheet for Results
Required 🗆	Color of Layer Detected Yes No			_	Fibergiass isotopic Synthetic High Birefringence			
POINT COUNT	Comments: Method: □ ELAP □ EPA □ SC	NNING OPTION: ELAP (P.C.) & EPA			Horse Hair: Scales, Low to Moderate Birefringence □		2 8	
POINT COUNT RESULTS ON THE BACK	See Note # 1 or Note # 2	(()	a.c. □		* If vermiculite is >10% the level of underestimated, See Note #3,	asbestos in a sample might be		
								<u> </u>



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BULK ASBESTOS ANALYSIS SHEET Client / Prolect M. F.Chall Rid Wall War Valan

Accreditations: NVLAP 101187-0 ELAP 10879

		militarion con the second the second contraction of the second contrac	Projec	t Number		NIKON OPTIF	PHOT
1	Anal	lysis Date 12/ 2/ 10 > Analyst	Batch	Number 42	846 TE	MPERATURE °c	40
Fleld Number 22	Stereoscopic Exam	PLM Optical Properties	Asbestos Results PLM %	Other Fibrous	Non Fibrous	SM-V	Gravimetric
Gravimetric Required	Color Cy Texture	Morph Extinction Ri 1 Ri II DS Color Color, Pieo Biref Sign Other Identity	Chrysotlle	Cellulose	PLM % Mineral Filler	Results	(NOB) Results
Recommended 🗆	Homogenity Vermiculite		Amosite	Fiberglass	Organic Binders	See	See Gravimetric
			Other	Other	Vermiculite *	(ELAP 198.8)	(NOB)
SM-V	# of Layers Asbestos			Cellulose Ondulose Extinction 🗆	Other	Analysis Sheet for Results	Analysis Sheet for Results
Required	Color of Layer Detected Yes No			Fiberglass isotopic Synthetic High Birefringence			10
	Comments: Method: ELAP EPA SCA	ANNUA ORMON EL SELS COMPANION DE LA COMPANION		Horse Hair: Scales, Low to Moderate Birefringence			
POINT COUNT RESULTS ON THE BACK	See Note # 1 or Note # 2	ANNING OPTION: ELAP (P.C.) & EPA Q.C.		* If vermiculite is >10% the level of underestimated, See Note #3.	asbestos in a sample might be		1
2 Field Number 72	Stereoscopic Exam	PLM Optical Properties	Asbestos	Other Fibrous	No. En		
Gravimetric	0	Morph Extinction RI Ri II DS Color Color, Pleo Biref Sign Other Identity	Results PLM %	PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric (NOB) Results
Required	Color By Texture		Chrysollle	Cellulose	Mineral Filler	☐ See	See
Recommended 🗆	Homogenity Vermiculite		Amosite	Flberglass	Organic Binders	SM-V	Gravimetric
	# of Layers Asbestos		Other	Other	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB) Analysis Sheet
SM-V	Color of Layer Detected Yes No			Cellulose Ondulose Extinction Fiberglass isotopic	Other	for Results	for Results
Required 🗆	Comments:			Synthetic High Birefringence Horse Hair: Scales, Low to	8		
POINT COUNT RESULTS ON THE BACK	Method: LELAP LIEPA SCA	ANNING OPTION: ELAP (P.C.) & EPA		Moderate Birefringence □		6	
RESULTS ON THE BACK	See Note #1 or Note #2	Q.C. 🖵		* If vermiculite is >10% the level of	achaeine in a cample might be	1	1
	Southern to Hotel # 2	W.O. L.		underestimated, See Note #3,	ganestos ili g sgitthie ttilâlit be		
3 Field Number	Stereoscopic Exam	الله PLM Optical Properties	Asbestos	Other Fibrous	Non Fibrous	SM-V	Gravimetric
3 Field Number	Stereoscopic Exam		Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	Results	Gravimetric (NOB) Results
3 Fleid Number	Stereoscopic Exam Color By Texture	PLM Optical Properties	Results PLM %	Other Fibrous PLM % Cellulose	Non Fibrous PLM % Mineral Filler	Results See	Gravimetric (NOB) Results
3 Field Number Gravimetric Required	Stereoscopic Exam	PLM Optical Properties	Results PLM %	Other Fibrous PLM %	Non Fibrous PLM % Mineral Filler Organic Binders	Results See SM-V	(NOB) Results See Gravimetric
3 Field Number Gravimetric Required Recommended	Stereoscopic Exam Color By Texture	PLM Optical Properties	Results PLM % Chrysollle Amosite	Other Fibrous PLM % Cellulose Fiberglass	Non Fibrous PLM % Mineral Filler	Results See SM-V (ELAP 198.8) Analysis Sheet	(NOB) Results See Gravimetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended SM-V	Stereoscopic Exam Color BV Texture NG Homogenity Vermiculite \(\textstyle	PLM Optical Properties	Results PLM % Chrysollle Amosite	Other Fibrous	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	Results See SM-V (ELAP 198.8)	(NOB) Results See Gravimetric (NOB)
3 Field Number Gravimetric Required Recommended	Stereoscopic Exam Color BV Texture V Homogenity Vermiculite Z # of Layers Asbestos D Color of Layer Detected Yes No	PLM Optical Properties Morph Extinction RL RI II Ds Color Color, Piec Biref Sign Other Identity	Results PLM % Chrysollle Amosite	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Synthetic High Birefringence Horse Hair: Scales, Low to	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	Results See SM-V (ELAP 198.8) Analysis Sheet	(NOB) Results See Gravimetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended SM-V	Stereoscopic Exam Color PV Texture V Homogenity Vermiculite # of Layers Asbestos Color of Layer Detected Yes No Comments: Method:	PLM Optical Properties Morph Extinction RI	Results PLM % Chrysollle Amosite	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Extinction Fiberglass isotopic Synthetic High Birefringence Moderate Birefringence	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	Results See SM-V (ELAP 198.8) Analysis Sheet	(NOB) Results See Gravimetric (NOB) Analysis Sheet
3 Field Number GravImetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK	Stereoscopic Exam Color PSV Texture V Homogenity Vermiculite	PLM Optical Properties Morph Extinction RI RI II DS Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA Q.C.	Results PLM % Chrysotlle Amosite Other	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Extinction Fiberglass isotopic Horse Hair: Scales, Low to Moderate Birefringence *If vermiculite is >10% the level of underestimated. See Note #3.	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	Results See SM-V (ELAP 198.8) Analysis Sheet	(NOB) Results See Gravimetric (NOB) Analysis Sheet
3 Field Number 4 Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number 26	Stereoscopic Exam Color PV Texture V Homogenity Vermiculite # of Layers Asbestos Color of Layer Detected Yes No Comments: Method:	PLM Optical Properties Morph Extinction Ri Ri II Ds Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA PLM Optical Properties	Results PLM % Chrysollle Amosite	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Extinction Fiberglass isotopic Synthetic High Birefringence Moderate Birefringence *If vermiculitie is >10% the level of underestimated. See Note #3.	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous	Results See SM-V (ELAP 198.8) Analysis Sheet for Results	(NOB) Results See Gravimetric (NOB) Analysis Sheet for Results Gravimetric
3 Field Number GravImetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number GravImetric	Stereoscopic Exam Color PSV Texture V Homogenity Vermiculite	PLM Optical Properties Morph Extinction RI RI II DS Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA Q.C.	Results PLM % Chrysotlle Amosite Other	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Extinction Fiberglass isotopic Horse Hair: Scales, Low to Moderate Birefringence *If vermiculite is >10% the level of underestimated. See Note #3.	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM %	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results	(NOB) Results See GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results
3 Field Number 4 Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number 26	Stereoscopic Exam Color PAV Texture V Homogenity Vermiculite Z # of Layers Asbesto's Z Color of Layer Detected Yes No Comments: Method: ELAP EPA SCA Sea Nota #1 or Note # 2 Stereoscopic Exam Color PAV Texture A	PLM Optical Properties Morph Extinction Ri Ri II Ds Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA PLM Optical Properties	Asbestos Results PLM % Chrysotlle Amosite Other	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Extinction □ Fiberglass isotopic Horse Hair: Scales, Low to Moderate Birefringence □ Air vermiculite is > 10% the level of underestimated. See Note #3. Other Fibrous PLM %	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results	(NOB) Results See GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required	Stereoscopic Exam Color PV Texture V Homogenity Vermiculite	PLM Optical Properties Morph Extinction Ri Ri II Ds Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA PLM Optical Properties	Asbestos Results PLM % Amosite Other	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Synthetic High Birefringence Horse Hair: Scales, Low to Moderate Birefringence Invermiculite is > 10% the level of undersstimated, See Note #3. Other Fibrous PLM % Cellulose	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM % Mineral Filler	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8)	(NOB) Results See Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results See Gravimetric (NOB)
3 Field Number GravImetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number GravImetric Required Recommended Recommended Recommended	Stereoscopic Exam Color BV Texture V Homogenity Vermiculite Z # of Layers Asbestos Detected Yes No Comments: Method: ELAP EPA SCA Sea Note # 1 or Note # 2 Stereoscopic Exam Color Texture V Homogenity Vermiculite Detected Yes No	PLM Optical Properties Morph Extinction Ri Ri II Ds Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA PLM Optical Properties	Asbestos Results PLM % Asbestos Results PLM % Chrysotlie	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Description Synthetic High Birefringence Description Horse Hair: Scales, Low to Moderate Birefringence Description Description Description Description If vermiculitie is >10% the level of underestimated, See Note #3. Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Description	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be PLM % Mineral Filler Organic Binders	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V	(NOB) Results See GravImetric (NOB) Analysis Sheet for Results GravImetric (NOB) Results See GravImetric
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required	Stereoscopic Exam Color PV Texture P Homogenity Vermiculite P # of Layers Asbestos P Color of Layer Detected Yes No Comments: Method: DELAP PEPA SCA See Note #1 or Note #2 Stereoscopic Exam Color Texture P Homogenity Vermiculite P # of Layers Asbestos P Color of Layer Detected Yes No	PLM Optical Properties Morph Extinction Ri Ri II Ds Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA PLM Optical Properties	Asbestos Results PLM % Asbestos Results PLM % Chrysotlie	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Synthetic High Birefringence Norse Hair: Scales, Low to Moderate Birefringence Information Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Fiberglass Cother Cellulose Ondulose Extinction Fiberglass Isotopic	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended SM-V Required SM-V Required SM-V Required SM-V Required SM-V	Stereoscopic Exam Color BV Texture V Homogenity Vermiculite Z # of Layers Asbestos D Color of Layer Detected Yes No Comments: Method: ELAP EPA SCA See Note #1 or Note #2 Stereoscopic Exam Color Texture Homogenity Vermiculite D # of Layer Asbestos D Color of Layer Detected Yes No Comments:	PLM Optical Properties Morph Extinction RI RI II DS Color Color, Piec Biref Sign Other identity ANNING OPTION: ELAP (P.C.) & EPA PLM Optical Properties Morph Extinction RI RI II DS Color Color, Piec Biref Sign Other identity	Asbestos Results PLM % Asbestos Results PLM % Chrysotlie	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass isotopic Synthetic High Birefringence Alf vermiculite is > 10% the level of underestimated. See Note #3. Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass isotopic Fiberglass Hirden Seales, Low to the see Note #3.	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other asbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite *	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet
3 Field Number Gravimetric Required Recommended SM-V Required POINT COUNT RESULTS ON THE BACK 4 Field Number Gravimetric Required Recommended Recommended SM-V	Stereoscopic Exam Color BV Texture V Homogenity Vermiculite Z # of Layers Asbestos D Color of Layer Detected Yes No Comments: Method: ELAP EPA SCA See Note #1 or Note #2 Stereoscopic Exam Color Texture Homogenity Vermiculite D # of Layer Asbestos D Color of Layer Detected Yes No Comments:	PLM Optical Properties Morph Extinction Ri Ri II Ds Color Color, Piec Biref Sign Other Identity ANNING OPTION: ELAP (P.C.) & EPA PLM Optical Properties	Asbestos Results PLM % Asbestos Results PLM % Chrysotlie	Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Extinction Fiberglass isotopic Synthetic High Birefringence Air vermiculitie is > 10% the level of underestimated. See Note #3. Other Fibrous PLM % Cellulose Fiberglass Other Cellulose Ondulose Extinction Fiberglass isotopic Synthetic High Birefringence * If vermiculitie is > 10% the level of underestimated. See Note #3.	Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other Asbestos in a sample might be Non Fibrous PLM % Mineral Filler Organic Binders Vermiculite * Other	Results See SM-V (ELAP 198.8) Analysis Sheet for Results SM-V Results See SM-V (ELAP 198.8) Analysis Sheet	Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet for Results Gravimetric (NOB) Results Gravimetric (NOB) Analysis Sheet



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Microscopes; *OLYMPUS BH-2/ NIKON OPTIPHOT

BULK ASBESTOS ANALYSIS SHEET Client/Project MEChe / Bidwell /Kensico Lak

Project Number Analysis Date 121 DI 107 Analyst 42846 Batch Number TEMPERATURE °c 2 Stereoscopic Exam Asbestos Field Number Other Flbrous PLM Optical Properties Non Flbrous SM-V Gravimetric Results PLM % PLM % PLM % Results (NOB) Results RI II DS Color Color, Pleo Biref Sign Other Identity Color B Gravimetric Texture Chrysollle Cellulose Mineral Filler Required Z ☐ See See Recommended Amoslle Fiberglass Organic Binders Homogenity Vermiculite SM-V Gravimetric Other Other (ELAP 198.8) Vermiculite * (NOB) Analysis Sheet # of Layers Asbestos Analysis Sheet Cellulose Ondulose Extinction Other for Results for Results SM-V Fibergiass Isotopic Color of Layer Detected Yes No Required 🗆 Synthetic High Birefringence 🗆 Comments: Horse Hair: Scales, Low to Moderate Birefringence [Method: DELAP I EPA SCANNING OPTION: ELAP (P.C.) & EPA POINT COUNT RESULTS ON THE BACK * If vermiculite is >10% the level of asbestos in a sample might be underestimated. See Note #3, Q.C. See Note # 1 or Note # 2 Stereoscopic Exam Asbestos Other Flbrous Field Number Non Fibrous PLM Optical Properties SM-V Gravimetric Results PLM % PLM % PLM % Results (NOB) Results Morph Extinction RI + RIII DS Color Color, Plao Biref Sign Other Gravimetric Chrysollle Cellulose Mineral Filler Required 🗆 ☐ See See Recommended Amoslle DR Flberglass Organic Binders Homogenity Vermiculite SM-V Gravimetric (ELAP 198.8) Other Other Vermiculite (NOB) # of Layers Analysis Sheet Analysis Sheet Asbestos Cellulose Ondulose Extinction Other for Results for Results SM-V Fiberglass isotopic 🗆 Color of Laver Detected Yes No Regulred 🗆 Synthetic High Birefringence Horse Hair: Scales, Low to Comments Moderate Birefringence 🗆 Method: LELAP LISCANNING OPTION: ELAP (P.C.) & EPA POINT COUNT RESULTS ON THE BACK * If vermiculite is >10% the level of asbestos in a sample might be 388 Note # 1 or Note # 2 Q.C. underestimated, See Note #3. 3 Field Number Stereoscopic Exam Asbestos Other Fibrous PLM Optical Properties Non Flbrous SM-V Gravimetric Results PLM % PLM % PLM % Results (NOB) Results Morph Extinction RI + RHI DS Color Color, Plac Biref Sign Gravimetric Color Chrysollle Cellulose Mineral Filler Required 1 ☐ See See Recommended Amoslle Fiberglass Organic Binders Homogenity Vermiculite SM-V Gravimetric Other Other (ELAP 198.8) (NOB) Vermiculite * Analysis Sheet Analysis Sheet # of Lavers Asbestos Cellulose Ondulose Extinction [Other for Results for Results SM-V Fiberglass isotopic Color of Layer Detected Yes No Required Synthetic High Birefringence Horse Hair: Scales, Low to Comments Moderate Birefringence 🗆 Method: L ELAP I EPA LI SCANNING OPTION: ELAP (P.C.) & EPA POINT COUNT RESULTS ON THE BACK * If vermiculite is >10% the level of asbestos in a sample might be underestimated. See Note #3. See Note #1 or Note #2 Q.C. Field Number Stereoscopic Exam Asbestos Other Fibrous PLM Optical Properties Non Fibrous SM-V Gravimetric Results PLM % PLM % PLM % Results (NOB) Results DS Color Color, Plea Biref Gravimetric Color Chrysotlle Cellulose Mineral Filler Required ☐ See See Recommended [Amoslle Fiberglass Organic Binders Homogenity Vermiculite SM-V Gravlmetric Other Olher (ELAP 198.8) (NOB) Vermiculite * Analysis Sheet Analysis Sheet # of Layers Asbestos Callulose Ondulose Extinction [for Results for Results SM-V Fibergiass isotopic [Color of Lay Detected Yes Required Synthetic High Birefringence 🗆 Comments: Horse Hair: Scales, Low to Moderate Birefringence Method: | ELAP ☐ EPA SCANNING OPTION: ELAP (P.C.) & EPA POINT COUNT * If vermiculte is >10% the level of asbestos in a sample might be 8es Note # 1 or Note # 2 Q.C. underestimated, See Note #3.



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Accreditations: NVLAP 101187-0 ELAP 10879

Microscopes:

BULK ASBESTOS ANALYSIS SHEET Client / Project in Echa / Prid Walth / Manary a / Cab

	Cile	ant / Project N. Lewe / 15/ a a	ver perisico Li	ak	Projec	t Number		NIKON OPTIP	H-2 / HQT_
1 7-		lysis Date 12/ 27 107	Analyst	MA	Batch	Number_ 42	2846 TE	MPERATURE °C 2	
Fleld Number 42	Stereoscopic Exam		ptical Properties		Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric
Gravimetric Required	Color Silver Texture 1	Mary Extraction 14 = Kill Da	S Color Color, Place Biral Si	gn Other Identity	Chrysotlle	Cellulose	Mineral Filler	7	(NOB) Results
Recommended	Homogenity Vermiculite [Amosite	Fiberglass	Organic Binders	□ See SM-V	□ See
		, — — — — — —			Other	Other	Vermiculite *	(ELAP 198.8)	Gravimetric (NOB)
SM-V	# of Layers Asbestos	personal special parameters property property and				Cellulose Ondulose Extinction 🗆	Other	Analysis Sheet for Results	Analysis Sheet for Results
Required 🗆	Color of Layer Detected Yes No					Fibergiass isotopic Synthetic High Birefringence		io. Hodaito	TOT Meadits
	Comments: Method: □ ELAP □ EPA □ SCA			-		Horse Hair: Scales, Low to		2	
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP ☐ EPA ☐ SCA See Note # 1 or Note # 2	ANNING OPTION: ELAP (P.C.) & EPA	Q.C. □			Moderate Birefringence * If vermiculite is >10% the level of	asbasios in a sample might be		
2 1(2			4.0.			underestimated, See Note #3,			
Fleld Number	Stereoscopic Exam		ptical Properties		Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous	SM-V	Gravimetric
Gravimetric Required	Color ST Ver Texture	Morph Extinction RI RIII DS	Color Color, Plao Biref Si	gn Olher Identily	Chrysollie	Cellulose	PLM %	Results	(NOB) Results
Recommended	Homogenity Vermiculite				Amosile	Fiberglass	Mineral Filler Organic Binders	☐ See	See
					Other	Other	Vermiculite *	SM-V (ELAP 198,8)	Gravimetric (NOB)
SM-V	# of Layers Asbestos					Cellulose Ondulose Extinction 🗆	Olher	Analysis Sheet for Results	Analysis Sheet
Regulred	Color of Layer Detected Yes No					Fibergiass isotopic 🗆		ior Results	for Results
	Comments:		-	-		Synthetic High Birefringence D Horse Hair: Scales, Low to			
POINT COUNT RESULTS ON THE BACK	Method: LELAP LEPA LISCA	ANNING OPTION: ELAP (P.C.) & EPA	Q.C. 🗆			Moderate Birefringence □ * If vermiculite is > 10% the level of	Control of the Contro		
3			۵.0. ــرا			underestimated, See Note #3,	aspestos in a sample might be		
Field Number	Stereoscopic Exam		ptical Properties		Asbestos	Other Fibrous	Non Fibrous	SM-V	Gravimetric
Gravimetric	Color Texture NF	Morph Extinction RI A RIII DS	Color Color, Plac Birat SI	gn Other Identity	Results PLM % Chrysollle	PLM %	PLM %	Results	(NOB) Results
Required Recommended	Homogenity Vermiculite				Amosile	Cellulose Fiberglass	Mineral Filler	□ See	See
	Vermiculte 🗆 🗵				Other	Other	Organic BindersVermiculite *	SM-V (ELAP 198.8)	Gravimetric (NOB)
,	# of Layers Asbestos	International Production of Street, Springer,				Cellulose Ondulose Extinction	Other	Analysis Sheet	Analysis Sheet
SM-V Required □	Color of Layer Detected Yes No					Fibergiass isotopic 🗆	Otilo	for Results	for Results
rtoquilou E	Comments:	beautiful beauti				Synthetic High Birafringence 🗆 Horse Hair: Scales, Low to			
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP ☐ EPA ☐ SCA	ANNING OPTION: ELAP (P.C.) & EPA				Moderate Birefringence 🗆		=	
A THE BACK	Sea Note #1 or Note #2		Q.C. 🗆			* If vermiculite is >10% the level of underestimated. See Note #3.	asbestos in a sample might be		
Fleld Number	Stereoscopic Exam	PLM O	ptical Properties		Asbestos	Other Flbrous	Non Fibrous	SM-V	Gravimetric
Gravimetric	Color G Texture NT	Morph Extinction RI RIII DS	Color Color, Plea Biref Si	gn Other Identity	Results PLM %	PLM %	PLM %	Results	(NOB) Results
Required Recommended					Chrysollie	Cellulose	Mineral Filler	□ See	See
	Homogenity Vermiculite .				Olher	Fiberglass	Organic Binders	SM-V	Gravimetric .
	# of Layers Asbestos (Oirioi	Other	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB) Analysis Sheet
SM-V	Color of Layer Detected Yes No				£	Callulose Ondulose Extinction Fibergiass isotopic	Other	for Results	for Results
Required	Comments:					Synthetic High Birefringence Horse Hair: Scales, Low to			
POINT COUNT	Method: LELAP LEPA LISCA	ANNING OPTION: ELAP (P.C.) & EPA				Moderate Birefringence [
RESULTS ON THE BACK	See Note # 1 or Note # 2		Q.C.		`	* If vermiculite is >10% the level of underestimated, See Note #3,	asbastos in a sample might be		
	•								



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Microscopes; OLYMPUS BH-2/

BULK ASBESTOS ANALYSIS SHEET Client/Project NEChe/Bidwell/Kensico Lak Project Number NIKON OPTIPHOT Analysis Date 12/ >\ /0 } Analyst 42846 Batch Number TEMPERATURE °c 2 Stereoscopic Exam Field Number PLM Optical Properties Asbestos Other Flbrous Non Flbrous SM-V Gravimetric Results PLM % PLM % Morph Extinction RI + PLM % RI II DS Color Color, Pleo Biref Sign Other Identity Results (NOB) Results Gravimetric Color Texture Chrysotlle Regulred Cellulose Mineral Filler ☐ See See Recommended Vermiculite Amoslle Homogenity Fiberglass Organic Binders SM-V Gravimetric Other (ELAP 198.8) Other Vermiculite 1 (NOB) # of Layers Analysis Sheet Analysis Sheet Cellulose Ondulose Extinction Other for Results SM-V for Results Color of Laver Detected Yes No Fiberglass Isotopic [Required [Synthetic High Birefringence Comments: Horse Hair: Bcales, Low to Method: L ELAP POINT COUNT RESULTS ON THE BACK Moderate Birefringence 🗆 LI EPA SCANNING OPTION: ELAP (P.C.) & EPA * If vermiculite is >10% the level of asbestos in a sample might be underestimated, See Note #3, See Note # 1 or Note # 2 Q.C. Stereoscopic Exam Flald Number (PLM Optical Properties Asbestos Other Flbrous Non Fibrous SM-V Gravimetric Results PLM % PLM % PLM % Morph Extinction RI II DS Color Color, Plao Biref Sign Other Results Gravimetric (NOB) Results Color Taxtura Chrysollle Required Cellulose Mineral Filler ☐ See Recommended See Homogenity Vermiculite 🔲 본 Amoslle Flberglass Organic Binders SM-V Gravlmetric Other Other (ELAP 198.8) Vermiculite * (NOB) # of Layers Asbestos Analysis Sheet Analysis Sheet Cellulose Ondulose Extinction Other SM-V for Results for Results Color of Laye Detected Yes No Fiberglass Isotopic Required Synthetic High Birefringence Comments: Horse Hair; Scales, Low to Method: LELAP POINT COUNT RESULTS ON THE BACK □ EPA SCANNING OPTION: ELAP (P.C.) & EPA Moderate Birefringence 🗆 * If vermiculite is >10% the level of asbestos in a sample might be 388 Note # 1 or Note # 2 Q.C. 🗔 underestimated, See Note #3. Stereoscopic Exam Fleid Number PLM Optical Properties Asbestos Other Fibrous Non Fibrous SM-V Gravimetric Results PLM % PLM % PLM % Morph Extinction RI L RI II DS Color Color, Plac Biref Sign Results Gravimetric (NOB) Results Chrysollle Required | Cellulose Mineral Filler ☐ See See Recommended [Homogenity Vermiculite -Amoslle Fiberglass Organic Binder SM-V Gravimetric Other Other (ELAP 198.8) Vermiculite 1 (NOB) # of Lavers Asbestos Analysis Sheet Analysis Sheet Cellulose Ondulose Extinction Other SM-V for Results for Results Color of Layer Detected Yes No Fiberglass Isotopic Required [Synthetic High Birefringence Comments: Horse Hair: Scales, Low to Moderate Birefringence [Method: LI ELAP POINT COUNT RESULTS ON THE BACK LI EPA SCANNING OPTION: ELAP (P.C.) & EPA See Note #1 or Note #2 * If vermiculite is >10% the level of asbestos in a sample might be underestimated. See Note #3. Q.C. Stereoscopic Exam Field Number Asbestos PLM Optical Properties Other Flbrous Non Fibrous SM-V Gravimetric Results PLM % PLM % PLM % Morph Extinction RIL DS Color Color, Plag Results (NOB) Results Gravimetric Chrysollle Required [Cellulose Mineral Filler ☐ See See Recommended Amosite Homogenity Vermiculite 1 Fiberglass Organic Binder SM-V Gravlmetric Olher (ELAP 198.8) Other Vermiculite 1 (NOB) # of Layers Asbestos 🔲 🗷 Analysis Sheet Analysis Sheet Callulose Ondulose Extinction Other SM-V for Results for Results Color of Layer Detected Yes No Fibergiass Isotopic 🗆 Required Synthetic High Birefringence Comments: Horse Hair: Scales, Low to Method: LELAP LEPA SCANNING OPTION: ELAP (P.C.) & EPA Moderate Birefringence [POINT COUNT 8as Note # 1 or Note # 2 Q.C. * If vermiculite is >10% the level of asbestos in a sample might be underestimated. See Note #3.



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			BULK ASBESTOS A	ANAL YSIS	SHEET				0879
	Clle	ent/Project NEChe/Bidwe	11 /Kensico Lak			t Number_		Microsco OLYMPUS B NIKON OPTIP	P85; H-2 /
		1.1. 2.1. 2.1. 2.1. 2.2	nalyst	11		Number 42	2846 TE	MPERATURE 16	0
Field Number	Stereoscopic Exam	PLM Option	cal Properties		Asbestos Results PLM %	Other Fibrous	Non Fibrous	SM-V	Gravimetric
Gravimetric Required	Color Bo Texture NF	Morph Extinction RI + RI II DS Co	lor Color, Plea Biref Sign Othe	er Identily	Chrysotlle	PLM %	PLIM % Mineral Filler	Results	(NOB) Results
Recommended 🗆	Homogenity Y Vermiculite				Amosile	Fiberglass	Organic Binders	See	See
	# of Layers Asbestos				Olher	Other	Vermiculite *	(ELAP 198.8)	Gravimetric (NOB)
SM-V	Color of Layer Detected Yes No				•	Cellulose Ondulose Extinction 🗆 Fiberglass isotopic 🗇	Other	Analysis Sheet for Results	Analysis Shee for Results
Required 🗆	Comments:					Synthetic High Birefringence			
POINT COUNT RESULTS ON THE BACK	Method: LELAP LEPA LSC.	ANNING OPTION: ELAP (P.C.) & EPA				Moderate Birefringence 🗆			
2	See Note # 1 or Note # 2		Q.C. 🗆			* If vermiculite is >10% the level of underestimated, See Note #3,	asbestos in a sample might be		
Fleid Number	Stereoscopic Exam		al Properties		Asbestos Results PLM %	Other Flbrous PLM %	Non Fibrous PLM %	SM-V	Gravimetric
Gravimetric Required	Color By Texture NC	Morph Extinction RI RIII DS Col	lor Color, Plao Biref Sign Othe	or Identity	Chrysollie	Cellulose	Mineral Filler	Results	(NOB) Results
Recommended \square	Homogenity Vermiculite		-		Amoslle	Flberglass	Organic Binders	See SM-V	See Gravimetric
	# of Layers Asbestos □ □				Other	Other	Vermiculite *	(ELAP 198.8) Analysis Sheet	(NOB) Analysis Shee
SM-V	Color of Layer Detected Yes No					Cellulose Ondulose Extinction □ Fiberglass isotopic □	Olher	for Results	for Results
Required \square	Comments:		-			Synthetic High Birefringence Horse Hair: Scales, Low to	9		
POINT COUNT RESULTS ON THE BACK	Method: LELAP LEPA SC.	ANNING OPTION: ELAP (P.C.) & EPA	Q.C. 🗆			Moderate Birefringence □ * If vermiculite is >10% the level o	(achadas la a a a a la alabata la c		en e
3			M.O. L4			underestimated, See Note #3,	assestos in a sample mignt pe		
Fleid Number	Stereoscopic Exam		cal Properties		Asbestos Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric (NOB) Results
Gravimetric Required 🗀	Color Texture	THOUGHT EXTENSION WATER WITH DR CO.	lor Color, Pieo Biref Sign Othe	er Idenlily	Chrysollie	Cellulose	Mineral Filler	See	- Artis
Recommended \square	Homogenity Vermiculite			-	Amosile	Fiberglass	Organic Binders	SM-V	☐ See Gravimetric
	# of Layers Asbestos		-		Other	Olher	Vermiculite *	(ELAP 198,8) Analysis Sheet	(NOB) Analysis Shee
SM-V Regulred 🗆	Color of Layer Detected Yes No					Cellulose Ondulose Extinction Fiberglass isotopic	Other	for Results	for Results
лоципоц <u>Ш</u>	Comments:					Synthetic High Birefringence Horse Hair: Scales, Low to	m 6		
POINT COUNT RESULTS ON THE BACK	Method: ☐ ELAP ☐ EPA ☐ SC.	ANNING OPTION: ELAP (P.C.) & EPA	Q.C. 🗆			Moderate Birefringence □ * If vermiculite is >10% the jevel o	f asbestos in a sample might be		
4	Stereoscopic Exam				Asbestos	underestimated, See Note #3.			
Fleid Number Gravimetric	Otorodobio Exam		cal Properties for Color, Pieo Biref Sign Othe	ar Ideniily	Results PLM %	Other Fibrous PLM %	Non Fibrous PLM %	SM-V Results	Gravimetric (NOB) Results
Required	Color Texture				Chrysolile	Cellulose	Mineral Filler	□ See	☐ See
Recommended 🗆	Homogenity Vermiculite		-	-	Amosite Other	Fiberglass Other	Organic Binders	SM-V	Gravlmetric
	# of Layers Asbestos : □ □				Olijej	Cellulose Ondulose Extinction	Vermiculite *	(ELAP 198,8) Analysis Sheet	(NOB) Analysis Shee
SM-V Required 🗆	Color of Layer Detected Yes No					Fibergiass isotopic 🗆	Otio	for Results	for Results
	Comments:					Synthetic High Birefringence D Horse Hair: Scales, Low to		V	
POINT COUNT REBULTS ON THE BACK	Method: ☐ ELAP ☐ EPA ☐ SC. 8es Note # 1 or Note # 2	ANNING OPTION: ELAP (P.C.) & EPA	Q.C.		,	Moderate Birefringence * If vermiculite is >10% the level of underestimated. See Note #3	asbestos in a sample might be		
						unudidaminatad, 588 NOI8 #3.			



ATC Group Services LLC GRAVIMETRIC (NOB) ANALYSIS SHEET

Client/Project:	NICHE St. March #2	t from the	CEW Karkarp	PLM Batch #	42846	TEM Batch #	99648	Start Date:	12/22/17
		NOB PLW	1970 EV 98			NOB TEM			
NOB PLM PREP:	MG/DA	Analyst	AF	NOB TEM PREP:	SH SH	Analyst:	MP	Date Completed:	12/23/17

a de la companya de l	en de la companya de La companya de la co	513	11 Non Asb	12	9 Asbestos	13 .//**	5 - Carlos - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 - 1 -	-	ethc NOE	
oť.	∵ v ⇒ Field#	% Organic :		% Carbonate	Types ## Or Vermiculite	Asbestos or Vermiculite	Notes Notes			111
	P. 1	54.0	3.2	42.8	ND			~	¥	V
	2	65.8	31.6	2.6	ND			v	v	v
	3	49.4	38.1	12.5	ND ·			-	•	_
	4	15.1	1.6	83.3	ND			~	~	~
	5	18.2	1.6	80.2	ND			~	•	~
	6	25.1	34.6	40.3	ND .			~	*	'
	. 7	25.0	39.7	35.3	ND			~	*	~
	8	68.4	1.6	30.0	ND			~	>	•
	NO 9	94.1	1.3	4.6	ND			~	>	•
	₩ 10	73.3	18.6	8.1	ND			>	> .	~

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ATC Group Services LLC GRAVIMETRIC (NOB) ANALYSIS SHEET

Client/Project:	NICHE COMMUNICATION		1.3 1644 8 - 40 PLM Batch #	` 42846	TEM Batch # 99648	Start Date:	12/22/17 ÷
NOB PLM PREP:	MG/DA	NOB PLM Analyst:	AF NOB TEM PREP:	AAA AA SHAARAA	NOB TEM Analyst: MP	Date Completed:	12/23/17
C Bir	17	9 !	13 Mail rev.		l Hänthöds		

	\$	officer and manufacture with the state of the	- 51	i vij i din	g	13 Medians		We	in principal	comment.	And the second
	raterras Types Perikieldija	Alberto Oryenie a	Residuc %	% Calbonate	Asbestos Typec rénon vermiculité	% Total in Asbestos Notes		Pare	P.W		
	a 111	35.9	56.5	7.6	ND		:	<u> </u>	*	~	;
	12	29.8	1.6	68.6	ND			<u> </u>	•	~	
	13	40.7	8.6	50.7	ND			<u> </u>	<u> </u>	~	
	14	49.8	6.9	43.3	ND			<u> </u>	<u> </u>	~	
···	. 15	37.2	27.9	34.9	ND			¥	,	•	
	16	32.2	1.8	66.0	ND			<u> </u>	•	*	
	. 17	54.0	23.8	22.2	ND			<u> </u>	•	~	
	18	47.2	3.7	49.1	ND			<u> </u>	*	<u> </u>	-
۰. بود	. № 19	35.9	35.1	29.0	ND			,	y }∘!	_	i.
	20	44.3	26.2	29.5	ND			,	<u> </u>	•	



Up Services LLC ATC Group Services LLC

y in the	Client/	Project:	NICHE	sanch w	ा के दिख्या ।	15時-指統治第二	PLM Batch # \$38 42846	TEM Bat	ch #	: 99	648) St	art Date:	12/22/17	7 ১৮৮৯১
·	NOB PL	M PREP	MG	S/DA	NOB PLM Analyst:		NOB TEM PREP: 100000SH 1000	NOB 1	EM yst:_	ìV	1P	Date Cor	npleted:	12/23/1	7
	1 01507 E	100	1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3 1 3	 %	Asbestos Tiges Motores	% Tots 1			N	GE:		All Call		democracy or modelling	
	222	53.6	1.6	44.8	ND				Ų	/ /					
e .	23	55.5	42.6	1.9	ND					/ /					
•	24	45.1	27.0	27.9	ND			·	•	<i>/</i>		·. ·			-
	26	30.7	22.0	32.3	Chrysotile	15			•	/ ~					
er er .	27	26.6	21.5	30.9	Chrysotile	21		understerne Drogody Zamund Gleich (1947). I da	*		,	***	a a company		er to be you
:	- 10 y 1.30 x 1	68.7	5.1	26.2	Chrysotile	TR			V	/ 4			va j		-
	31	64.2	6.9	28.9	ND				•	/ ~					
:	36	58.1	37.9	4.0	ND				•	/ /			er s		
g g complete the second second	<u>87.42</u>	30.0	54.3	15.7	ND	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1			•	, ,	ometic no.	in the second se			ja (182) Lucionado e a espe
) Pro sales de regula e	542. 43	73.7	9.2	17.1	ND				,	, ,					

Note 1: Methods: ELAP as per items 198.6 and 198.4.
Note 2: Vermiculite not reported = not detected.
Client Copy



ATC Group Services LLC ATC Group Services LLC GRAVIMETRIC (NOB) ANALYSIS SHEET

Client/Project:	NICHE & WARREST	· 100 4264,	7	TEM BANKS	PLM Batch # 42846	TEM Batch #	99648 Start Date:	12/2 2 /17/05
			NOB PLM			NOB TEM		
NOB PLM PREP:	MG/DA	£ 1.	Analyst:	AF	NOB TEM PREP: SH	Analyst:	MP Date Completed:	12/23/17

e de		13	p.compagifi			[200e]	295 (1)					
ite.	shest 'yaca 'erddoldse	195hc.24	N/ (Ast		Asbestos Types Nota Variableita	j % Total 🦠	NO. 12 (1.00) (1	4 78	on Asia Adole 14 Add	Carlioni te	ifile of its	Ó
	>√.54	10.4	2.2	87.4	ND			/ ~		44.7.		
	55	13.3	1.2	85.5	ND	V		/ ~				
	56	70.8	2.6	26.4	ND			, ,			· · · · · · · · · · · · · · · · · · ·	
	57	71.6	2.1	26.3	ND			, ,				
4.	- 58	50.8	5.6	43.6	ND			,		en e	grows is since in the	
	⇔ 59	42.4	25.6	32.0	ND	·* - y		, , , ,				:
	60	50.3	5.4	44.3	ND ND		V	, ,				
	61	59.7	35.2	5.1	ND			· •			·	
ive				<i>3</i>	· , /				54.3	6.7 		<u></u>
									₽7.		, with	<u> </u>

Note 1: Methods: ELAP as per items 198.6 and 198.4.
Note 2: Vermiculite not reported = not detected.
Client Copy

NICHE ANALYSIS, INC.



399 Knollwood Road, Suite 208 · White Plains, NY 10603

Tel: (914) 288-0805 · Fax: (914) 288-0807

BULK SAMPLE ANALYSIS REPORT

BIDWELL ENVIRONMENTAL, LLC 1353 KINGS HIGHWAY P.O. BOX 266 SUGAR LOAF, NY 10981 Niche 18-22174-1A

PROJECT:	Kensico Lab	ANALYST:	Bing Liang
BIDWELL PROJECT #:	21704	DATE SAMPLED:	01-25-18
LOCATION:	Entire Kensico Lab	DATE RECEIVED:	01-31-18
SCOPE OF WORK:	Building Renovation	DATE ANALYZED:	02-01-18

Sample No./ Lab ID	Type of Material	Type of Material Color Area Asbestos Content & Percent		Non-Asbestos Fiber Content & Percent	Non Fibrous		
CAT423-1ST ASB-68 B0100459	Grey Brick Wall Mortar	Gray	1st Floor/ Garage	ND	ND	100% Mineral Filler	
CAT423-1ST ASB-69 <i>B0100460</i>	Grey Brick Wall Mortar	Gray	1st Floor/ Garage	ND	ND	100% Mineral Filler	
CAT423-EXT ASB-78 B0100461	Grey Mortar In Stone Base	Gray	Exterior/ North Wall	ND	ND	100% Mineral Filler	
CAT423-EXT ASB-79 B0100462	Grey Mortar In Stone Base	Gray	Exterior/ South Wall	ND	ND	100% Mineral Filler	
CAT423-EXT ASB-80 <i>B0100463</i>	Tan Motar In Brick Wall	Light Gray	Exterior/ North Wall	ND	ND	100% Mineral Filler	
CAT423-EXT ASB-81 B0100464	Tan Motar In Brick Wall	Light Gray	Exterior/ North Wall	ND	ND	100% Mineral Filler	
CAT423-EXT ASB-86 B0100465	Black Expansion Joint In Curb	Dark Brown	Exterior/ North Wall	ND	95% Cellulose	5% Other	
CAT423-EXT ASB-87 <i>B0100466</i>	Black Expansion Joint In Curb	Dark Brown	Exterior/ North Wall	ND	95% Cellulose	5% Other	





399 Knollwood Road, Suite 208 · White Plains, NY 10603

Tel: (914) 288-0805 · Fax: (914) 288-0807

Sample No./ Lab ID	Type of Material	Color	Area	Asbestos Content & Percent	Non-Asbestos Fiber Content & Percent	Non Fibrous
CAT423-1ST	Brown 4" Pipe	Brown	Basement/ Crawl Space	80% Chrysotile	ND	20% Other
ASB-94	Gasket					
B0100469						
CAT423-1ST	Brown 4" Pipe	NA	Basement/ Crawl Space	NA/PS	NA/PS	NS/PS
ASB-95	Gasket					
B0100470						

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsements by NVLAP or any agency of the US government. This report relates only to the items listed. The above samples were collected and submitted to NICHE by the client. All sample information was provided by the client. Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: NA/PS = Not Analyzed/Stop on Positive, ND = None Detected

SAMPLE ANALYSIS BY:		LARIZED LIGHT MICROSCOPY – DISPERSION STANDING (PLM-DS)				
METHOD OF SAMPLE PREPARATION & ANALYSIS:		ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE NYSDOH ELAP "POLARIZED-LIGHT MICROSCOPE METHODS FOR IDENTIFYING AND QUANTITATING ASBESTOS IN BULK SAMPLES" ELAP ITEM 198.1, 04/14/10				
INSTRUMENT:		OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2				
Revision #1	Date: 2/9/18	vised as per clinets request.				

ELAP#: 11236

BING LIANG	
Laboratory Director	

Approved Signatory





399 Knollwood Road, Suite 208 · White Plains, NY 10603

Tel: (914) 288-0805 · Fax: (914) 288-0807

BIDWELL ENVIRONMENTAL, LLC 1353 KINGS HIGHWAY P.O. BOX 266 SUGAR LOAF, NY 10981 Niche Project 18-22174-1B

PROJECT:	Kensico Lab	ANALYST:	Bing Liang
BIDWELL PROJECT #:	21704	DATE SAMPLED:	01-25-18
LOCATION:	Entire Kensico Lab	DATE RECEIVED:	01-31-18
SCOPE OF WORK:	Building Renovation	DATE ANALYZED:	02-01-18

QUALITATIVE ANALYSIS

Sample No./ Lab ID	Type of Material	Sample Location	Asbestos Content	Non-Asbestos Fiber Content	Non Fibrous
CAT423-BASE ASB-90 <i>B0100467</i>	Soil on Floor	Basement/ Crawl Space	ND	Trace Cellulose	Soil
CAT423-BASE ASB-91 <i>B0100468</i>	Soil on Floor	Basement/ Crawl Space	ND	Trace Cellulose Trace Mineral Wool	Soil

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsements by NVLAP or rany agency of the US government. This report relates only to the items listed. The above samples were collected and submitted to NICHE by the client. All sample information was provided by the client. *Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: Note 2: NA/PS = Not Analyzed/Stop on Positive, ND = None Detected

Note 3: There is currently no government regulated method for dust sample collection and asbestos analysis. The only written method for wipe sampling is ASTM D6480-05 (2010)/ "Standard Test Method for wipe sampling surfaces indirect preparation and analysis for Asbestos Structure Number Concentration by Transmission Electron Microscopy". Sample analysis via PLM is a qualitative analysis and only should be used as a reference. This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. Direction limit is 1% for asbestos. NICHE's liability not to exceed the invoice amount.

SAMPLE ANALYSIS BY:		ARIZED LIGHT MICROSCOPY – DISPERSION STANDING (PLM-DS)					
METHOD OF SAMPLE PREPARATION & ANALYSIS:		ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE NYSDOH ELAP "POLARIZED-LIGHT MICROSCOPE METHODS FOR IDENTIFYING AND QUANTITATING ASBESTOS IN BULK SAMPLES" ELAP ITEM 198.1, 04/14/10					
INSTRUMENT:		OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2					
Revision #1 Date: 2/9/18		Revised as per clinets request.					

ELAP#: 11236

BING LIANG
Laboratory Director

Approved Signatory



KAM CONSULTANTS 35-40 36th Street Long Island City New York, 11106 Tel: (718) 729-1997 Fax: (718) 729-1876

ANALYSIS REPORT - ASBESTOS IN BULK SAMPLE

CLIENT: NICHE ANALYSIS, INC. PROJECT: KENSICO LAB / 21704 PROJECT ADDRESS: Entire Kensico Lab CLIENT PROJECT INFO: BIDWELL DATE OF COLLECTION: 01/25/18

DATE OF

F REVISION: 02/09/18	Report ID: 182611.2
----------------------	---------------------

						PLM RESULT		PLM-NOB	RESULT	TEM RESULT	сом	MENTS			
CLIENT SAMPLE ID#	SAMPLE DESCRIPTION	SAMPLE LOCATION	SAMPLE LOCATION	SAMPLE LOCATION	SAMPLE LOCATION LAB ID#	LAB ID#	ANALYTICAL METHOD	Asbestos Percentage and Type	Other Fiber Material Percentage and Type	Non-Fibrous Material Percentage and Type	Asbestos Percentage and Type	Other Fiber Material Percentage and Type	Asbestos Percentage and Type	1 LAYER	2 OR MOR
CAT 423 1st-ASB-70	Grey Glazing in Garage Door	1st Floor, Garage	182611-01	PLM & TEM NOB				ND		ND	х				
CAT 423 1st-ASB-71	Grey Glazing in Garage Door	1st Floor, Garage	182611-02	PLM & TEM NOB		-1-1	1 1 1 1 1 1	ND	1	ND	х				
CAT 423 1st-ASB-72	Black Gasket in Garage Door Panel	1st Floor, Garage	182611-03	PLM & TEM NOB				ND		ND	x				
CAT 423 1st-ASB-73	Black Gasket in Garage Door Panel	1st Floor, Garage		PLM & TEM NOB				ND		ND	x				
CAT 423 1st-ASB-74	Green Caulk in Floor Joint	1st Floor, Garage	182611-05	PLM & TEM NOB			1 = 1	ND		ND	x				
CAT 423 1st-ASB-75	Green Caulk in Floor Joint	1st Floor, Garage	182611-06	PLM & TEM NOB				ND		ND	х				
CAT 423 1st-ASB-76	Yellow Wall Caulk	1st Floor, Garage	182611-07	PLM & TEM NOB				ND		ND	х				
CAT 423 1st-ASB-77	Yellow Wall Caulk	1st Floor, Garage	182611-08	PLM & TEM NOB				ND		ND	x				
CAT 423 EXT-ASB-82	Black Tar at Base of Wall	Exterior North Wall	182611-09	PLM & TEM NOB				ND		ND	х				
CAT 423 EXT-ASB-83	Black Tar at Base of Wall	Exterior South Wall	182611-10	PLM & TEM NOB		LITT		ND		ND	X				
The state of the s								1.7%ANTH	1						
CAT 423 EXT-ASB-84	White Caulk Around Vent	Exterior South Wall	182611-11	PLM NOB				0.57%CHR			x				
								Total: 2.3%		-1					
CAT 423 EXT-ASB-85	White Caulk Around Vent	Exterior South Wall	182611-12	PLM NOB				ANR							
CAT 423 Base-ASB-88	Black Tar at Base of Wall	Basement, Crawl Space	182611-13	PLM & TEM NOB				ND		ND	х				
CAT 423 Base-ASB-89	Black Tar at Base of Wall	Basement, Crawl Space	182611-14	PLM & TEM NOB		T. L.		ND		ND	х				
CAT 423 Base-ASB-92	Red 6" Pipe Gasket	Basement, Crawl Space	182611-15	PLM & TEM NOB			1 -	ND		ND	х				
CAT 423 Base-ASB-93	Red 6" Pipe Gasket	Basement, Crawl Space	182611-16	PLM & TEM NOB		11111		ND		ND	х				

PLM Method of analysis: 🗵 NYS- DOH ELAP 198.1 & 198.6 🗆 EPA 600/M4-82-020 🗆 NYS- DOH ELAP 198.8 (for SM-V Sample) TEM Method of Analysis: NYS-DOH ELAP 198.4

The results relate only to the items calibrated or tested. Samples will be stored for ninety (90) days and then returned to the client upon request. The certificate of report shall not reproduced without approval of the laboratory. This report must not be used by the client to claim product, certification, approval, or endorsement by NVLAP, NIST or any agency of the Federal Government.

TEM results are not covered by NVLAP and AIHA-LAP.

*Sampl	les	condition	upon	receipt:	Acceptable

*If the material contains greater than 10% Vermiculte, Item 198.6 from NYS DOH will be use for analysis. This method does not remove vermiculite and underestimate the level of asbestos in a sample containing greater than 10% vermiculite.

Analyst TEM: Laboratory Manager: Analyst PLM: Hao Wu Mei Liu Yinglong Guan Date of Analysis: 02/02/18 Date of Analysis: 02/02/18 Date of Report: 02/09/18 NYS-DOH ELAP#: 11273 AIHA-LAP#: 100269 NVLAP Lab Code: 102047-0

^{*}PLM RL=0.25% (RL represented by the detection of ones absestos in 400 points). *TRACE= Asbestos appears in a field but does not lie directly under a point. *TEM RL=1% *ND= NONE DETECTED *ANR = Analysis Not Required

^{*}NA = Not analyzed due to residue <1%. Samples are reported as Non-ACM * All PLM-NOB samples with 1% asbestos or less are "Inconclusive" TEM is the only method that can verify that a NOB is inconclusive result in PLM

NICHE ANALYSIS, INC.

399 Knollwood Road, Suite 208 White Plains, NY 10603 914-288-0805 914-288-0807 (Fax)

KAM CONSULTANTS

2018-FEB - 1 A 8: 00

182611

TURN AROUND TIME:

☐ RUSH ☐ 6 HRS

☐ 6 HRS ☐ 24 HRS

MOTHER STANDARD

ASBESTOS	S FIELD SURVE	Y DA	TA SHEET / BULK SAMP	LE LOG		PAGE	1 OF 4
CLIENT: 317 MEU		LOCA	ATION(S) SURVEYED : ENTIRE	E KENSIC	OLA	3	
PROJECT SITE: KENSILO LAB		SCOF	PEOFWORK: BUILDING PE	ENOVATIO	2N		
INVESTIGATOR:		INSPI	ECTOR: M WELLOW D	ATE(S) OF INS	PECTION	N: 1/3	25/18
FLOOR AREA DESCRIPTION	SAMPLE#		HOMOGENEOUS	QUANTITY		SMENT	ASBESTOS
THE DESCRIPTION	ASSUMED	HID	MATERIAL DESCRIPTION	(LF/SF)	COND	FRIAB	CONTENT %
IST Floor, Garage	(A1473 15T- 158 CAT423 -	L	GREY BRICK WALL		1, 2, 3, 4, 5, 6, 7 GMD P	F.	PLM: TEM:
	151-13- CA1423-	-	CREY GRANGIN		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM: TEM:
11	157-ASB-	20	CARAGE DOOR		1, 2, 3, 4, 5, 6, 7 G MD P 1, 2, 3, 4,	TE STATE OF THE ST	PLM: TEM:
	458-71 C41423-151	3	BAUL CASKER IN		5, 6, 7 GMD P 1, 2, 3, 4,	NF)	PLM: TEM:
	758-72 CAT423-15		CARACE DORPAVE		5, 6, 7 GMD P 1, 2, 3, 4,	THE STATE OF THE S	PLM: TEM:
11	1258-73 CAT423-15	1	CREEN CAUKIN		5, 6, 7 GMD P 1, 2, 3, 4,	MF)	PLM: TEM:
	-125B-74	4	FLOOR TOUT		5-6,7 GMDP 1,2,3,4	NF .	PLM: TEM:
	-ASB-75	4			6.7 GMD P 1, 2, 3, 4,	F.	PLM: TEM:
HYSICAL CONDITION ASSESSMENT FRIABLE PLM - POLARIZED L	JIGHT MICROSCOPY,	TEM - TRA	ANSMISSION ELECTRON MICROSCOPY	NYSDOL INSPEC	5, 6, 7 G MD P	F NF	PLM: TEM:
maged or Significantly Damaged Fitable TSI maged Fitable Surfacing ACM maged Fitable Surfacing ACM maged residuals to Surfacing ACM managed Fitable Surfacing ACM Managed Surfacing ACM No. (AL)	Rosemans Relt	DA	TE: 1/1/8 TIME: TIME: 1/1/8 TIME: TIME: 1/1/8 TIME:	CERTIFICATE NO TELEPHONE NO ADDRESS: 3S 3 1. A visual determinable 2. Collect bulk samples 3. A physical "Hand Pr 4. Assessment of susp 5. Quantify the amount 6. Submit bulk samples	KINGS L On of accessible of of suspect build essure test for of ect finable and no of suspect mate	suspect materials. determining friab on-friable materials in their responses	fity and condition.
	ALYZE: ALL S	TOP AT I	FIRST POSITIVE PLM TEM	Submit bulk samples Bulk Sample location appropriate building A Chain of Custody	is and suspect n	PUM and/or TEM naterials were id	Method, entified on the

TURN ARO	UND TIME:	- A CHENNAL AND A		
RUSH		_ 24 HRS	MOTHER	STANDARD
	- Combine to the second	The state of the s		

	ILLD CORVE	I DP	TA SHEET / BULK SAME	PLE LOG		PAGE_	2 OF 4
PROJECT NO.: 71704 CLIENT: BIDWELL		LOCA	ATION(S) SURVEYED : ENTIR	LE KENS	100	AB	
PROJECT SITE: KENSILO LAB		SCO	PEOFWORK: BUILDING P	ENOVATIO	o W		
INVESTIGATOR:		INSP	ECTOR: M. WELLOCK I	DATE(S) OF INS	SPECTIO	N: 1/2	25/18
FLOOR AREA DESCRIPTION	SAMPLE#		HOMOGENEOUS	QUANTITY		SMENT	ASBESTO: CONTENT
I a CI	ASSUMED	Hillian burness	MATERIAL DESCRIPTION	(LF/SF)	COND	FRIAB	%
15 How, Croage	-ASB-76 CAT43-151	5	CAULK THALL		1, 2, 3, 4, 5, 6, 7 GMDP	F	PLM: TEM:
EL NIAL WILL	-156-77 CA1477-	5			1, 2, 3, 4, 5, 6, 7 G MD P	F	PLM: TEM:
Fite 5 H 1 11	(47476-E)	6	Grey moter in Store		1, 2, 3, 4, 6, 7 GMD P 1, 2, 3, 4,	NF)	PLM: TEM:
Extract 1 H 1/1/	-ASB-PA	6	TAN MY TO		5,6,7 GMD P 1,2,3,4,	NF)	PLM: TEM:
Now Will	AS3 XO	7	BUKWALL		5, 6, 7 Ø MD P 1, 2, 3, 4,	NF	PLM: TEM:
	-ASB-81	7	ât 1 2-		5, 6, 7 (C)MD P	NF	PLM: TEM:
Exterior, No. of Wall	-ASB-82	8	if wall at base		1, 2, 3, 4, 5, 6, 7 G MDOP	NF)	PLM: TEM:
Exercit, South Vall	-188-83	8			1, 2, 3, 4, 5, 6, 7 GOMP P	F	PLM: TEM:
YSICAL CONDITION ASSESSMENT FRIABLE PLM - POLARIZED LIGHT	T MICROSCOPY .	TEM TO	AVA MODELLA CONTRACTOR OF THE		1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
Road Friells Sudan AND STREET TO YES (Y) RELINOUSED DV	M will		ANSMISSION ELECTRON MICROSCOPY	NYSDOL INSPECT CERTIFICATE NO TELEPHONE NO S	/	-147	16
infoantly Damagad Fritable Strating ACM aged or Significantly Damagad Fritable Misc. ACM with potential for Damage M with potential for Significant Damage M with potential for Significant Damage which potential for Significant Damage which principle or Suspect ACEM Sood / MD - Minor Damage / P -Poor RECEIVED BY: RECEIVED BY:	asemany K	3 DA	ATE: 1/3//8 TIME:	1. A visual determination of the control of the con	on of accessible of suspect build essure test for ect friable and rest for extra	ding materials. determining friat on-friable mater	ality and condition.
LD NOTES:	ZE: ALL SXS		FIRST POSITIVE PLM TEM	Submit bulk samples Bulk Sample location appropriate building A Chain of Custody	ns and suspect if	PUM and/or TEI naterials were id	d Method, entified on the

TURN ARO	UND TIME:	- 1 17 La V	
RUSH	☐ 6 HRS	_ 24 HRS	MOTHER STANDARD
		Commence of the Commence of th	

	DSURVE	Y DA	TA SHEET / BULK SAMP	LE LOG		PAGE_	3 of 4
PROJECT NO.: 7 704 CLIENT: BIDLE!		LOC	ATION(S) SURVEYED : ENTIR	RE KFI			
PROJECT SITE: KENSICO CAB			NAME OF THE PARTY			gradie v	
- WEND WAD		SCOF	PE OF WORK: BUILDING	RENOV.	41101	V	
INVESTIGATOR:		INSP	ECTOR: M. WELLOCK D.	ATE(S) OF INC	PECTION	. 10	25/10
FUNCTIONAL SPACE	SAMPLE#	lice services		ATE(S) OF INS	Edinberg - Day		25/18
FLOOR AREA DESCRIPTION	OR ASSUMED	LUD	HOMOGENEOUS	QUANTITY	ASSES	SMENT	ASBESTOS CONTENT
	CAT423-FAT	A STATE OF THE PARTY OF THE PAR	MATERIAL DESCRIPTION	(LF/SF)	COND	FRIAB	%
Exeror South Well	-ASS-84	9	white could around		1, 2, 3, 4, 5, 6, 7 G MDQP	F NF	PLM: TEM:
Exteror, & South Well	CAT423-EX -ASZ-85	9	- (1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
Exerse North Wall	753-54	10	Black expension joint		1, 2, 3, 4, 5, 6, 7 GMDP	F NF	PLM: TEM:
tooror, North Wall	255-87	10	, (1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
			70.5		1, 2, 3, 4, 5, 6, 7 G MD P	F	PLM: TEM:
Basement, Clawl Space	CAT423 Base-ASB	11	Black tar at Base of wall		1, 2, 3, 4, 5, 6, 7	F	PLM:
Basement, crawl Space	CAT 423 8050-A56-89	11	Black tar at Base of Wall		G(MI) P 1, 2, 3, 4, 5, 6, 7	F	PLM:
Basement, Crawl Space	C47423	12	Soil on floor		5, 6, 7 G(MD) P 1, 2, 3, 4, 5, 6, 7	₽	TEM: PLM:
Basement, Crawl Space	CA7423 Bose-1456 91	12	Soll on floor		GMD P 1, 2, 3, 4, 5, 6, 7	NF E	TEM: PLM:
PHYSICAL CONDITION ASSESSMENT FRIABLE PLM - POLARIZED LIGHT MICROS	SCOPY	TEM - TRA	ANSMISSION ELECTRON MICROSCOPY	NYSDOL INSPECT	GMDP	NF	TEM:
1.0 amaged or Significantly Damaged Fritable 131 2.0 amaged Fritable Surfacing ACM 3.0 grifficantly Damaged Fritable Surfacing ACM 4.0 amaged or Significantly Damaged Fritable Surfacing ACM 4.0 amaged or Significantly Damaged Fritable Surfacing ACM 5.0 ACBM with potential for Significantly Damaged Fritable Misc. ACM 5.0 ACBM with potential for Significantly Damaged Fritable or Suspect ACBM 6.0 ACBM with potential for Significantly Damaged Fritable or Suspect Duilding materials and condition. 7.5 Acmailing Fritable or Suspect ACBM 6.3 A physical "Hand Pressure For determining fritablity and conditions. 7.6 Acmailing Fritable or Suspect from the first or determining fritablity and conditions. 7.6 Acmailing Fritable or Suspect from the first or determining fritable and non-fritable grade fritable gra							A / LM EST als and condition. Tals and locations.
ELD NOTES: ANALYZE:	ALL XS		FIRST POSITIVE PLM TEM	Submit bulk samples Bulk Sample location appropriate building f A Chain of Custody r	is and suspect m	PLM and/or TEN naterials were id	M Method. Jentified on the

TURN ARO	UND TIME:	24 HRS		STANDARD) hu
Y DATA	SHEET / BI	ULK SAMPL	E LOG	PAGE 4	

PRO IFOT	2.7.11	Name of Street Street		TA SHEET / BULK SAMP	LL LUG		PAGE_	OF OF				
CLIENT:	: 21704 BIDWELL	LOCATION(S) SURVEYED: ENTIRE KENSICO LAB										
INVESTICATOR				SCOPE OF WORK: BUILDING RENOVATION								
				ECTOR: 1. WELLOW D	ATE(S) OF INS	PECTIO	N: 1/	25/18				
FI COP	FUNCTIONAL SPACE	SAMPLE #		HOMOGENEOUS			SMENT	ASBESTOS				
FLOOR	AREA DESCRIPTION	ASSUMED	HID	MATERIAL DESCRIPTION	QUANTITY	COND FRIAB		CONTENT				
	nt, Crawl space	Base-ASB 92	13	Red 6" PIPE gasket	(LF/SF)	1, 2, 3, 4, 5, 6, 7 G (AD) P	F	% PLM:				
CONTRACTOR OF THE PARTY OF THE	nt, Crawl space	CAT423 BOSEASB 93	13	Red 6" pipe gasket		G MD P 1, 2, 3, 4, 5, 6, 7 G MD P	NF NF	PLM:				
	it, Crawl Space	CAT423 94 B.SE AS6 97 CAT425	14	Brown 4" pipe gasket		1, 2, 3, 4, 5, 6, 7 G MD P	(F)	PLM: TEM:				
Basemen	t, crawl Space	Base ASB 95	14	Brown 4" pipe garket		1, 2, 3, 4, 5, 6, 7 G MD P	6	PLM: TEM:				
						1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:				
	1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1					1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:				
						1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:				
						1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:				
TYSICAL CONDITION ASS	SESSMENT FRIABLE PLM-POLARIZED LIGHT N	AICROSCOPY -	TEM TO	NICH POOLOGIE		1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:				
magned or Significantly Damaged Frit haged Fribble Surfacing ACM milificantly Damaged Fribble Surfacin haged or Significantly Damaged Fri BM with potential for Damage BM with potential for Damage Milificant Damaged Frib	AGACM NO (N) RECEIVED BY: RELINQUISHED BY: RECEIVED BY: RELINQUISHED BY:	MMM Dennoey &	DA	ANSMISSION ELECTRON MICROSCOPY ATE: 178/ STIME: ATE:TIME: ATE:TIME: ATE:TIME:	NYSDOL INSPECT CERTIFICATE NO. TELEPHONE NO. ADDRESS: 1. A visual determination 2. Collect bulk samples 3. A physical "Hand Price" 4. Assessment of susp. 5. Quantify the amount 5. Submit but seems.	on of accessible of suspect build essure" test for o	fing materials. determining friab on-friable materi	ifity and condition.				
LD NOTES:	ANALYZ	E: ALL XST		FIRST POSITIVE PLM TEM	Submit bulk samples Bulk Sample location appropriate building f A Chain of Custody r	s and suspect n	PLM and/or TEN naterials were ld	f Method. onlified on the				

CHAIN OF CUSTODY

(BULK-NOB SAMPLE ANALYSIS)

NICHE ANALYSIS, INC.

399 KNOLLWOOD ROAD, SUITE 208

NICHE File #:	18-	2	2	1	7	A	->
Reference #:				- 6	-	ě	

WHITE PLAINS. P: (914) 288-0805														
1. (914) 288-0803	,1.(514)	200-0007	PROJECT NAM	ΛΕ: L	Lons	ico L	ab							
		į	PROJECT ADI	DRESS:	JELD		0.0						Page	(of
Client: Bi	dwe	11			Sam	pled By:				/	Turnaround	Time		-
Report to:	Citoe		Il to:	-		pled Date:	1 25	18	Rush; 24	hrs_; 48 h	rs; 7 2 hrs;	5 days_; C)ther	
		Results en			tamento.	tact To:		1.0	Delivered 1	Method		# of Samp	les	
□ rosemary@nich	A STATE OF THE PARTY OF THE PAR	Control of the Control	□ <u>annie@niche</u>		Pho Fax:				Lab Name					
Sample ID	HID			L	ocation				Descri (Mate		Color	198.6	Method	(ELAP) 198.4
		PI-	ease 0	nalyz	e t	he :	samp	les	(Mate	iaij	anna Chola Said	170.0		7,0.4
		his	ghligh	ted 11	ng	reen	on'	the						
		at	tached	d CO	<u>C.</u>									
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	<u> </u>					1	1			All and the second				
Received By:			Signature:	RR	Da	The second secon		eceived By:	aolla	Signatur	re://		Date: 2	11/18
Relinquished By			Signature:		Da	ite: 1	Lab A	nalyzed By:	My Co	Signatur	re:		Date: 2	12/18
HID = Homogeno		TOP @ 1 ST P	OSITIVE	TES:					0 ()		O	U		



TEM Method of Analysis: NYS-DOH ELAP 198.4

KAM CONSULTANTS 35-40 36th Street Long Island City New York, 11106 Tel: (718) 729-1997 Fax: (718) 729-1876

PLM Method of analysis : 🗷 NYS- DOH ELAP 198.1 & 198.6 🗆 EPA 600/M4-82-020 🗆 NYS- DOH ELAP 198.8 (for SM-V Sample)

ANALYSIS REPORT - ASBESTOS IN BULK SAMPLE CLIENT: NICHE ANALYSIS, INC.

CLIENT: NICHE ANALYSIS, INC. PROJECT: KENSICO LAB PROJECT ADDRESS: N/A CLIENT PROJECT INFO: BIDWELL

DATE OF COLLECTION: 03/06/18

DATE REVISED: 03/09/18 Report ID: 183081.1

			- 5-45-		7 141,743	PLM RESULT		PLM-NOB	RESULT	TEM RESULT	сом	MENTS
CLIENT SAMPLE ID#	SAMPLE DESCRIPTION	SAMPLE LOCATION	LAB ID#	ANALYTICAL METHOD	Asbestos Percentage and Type	Other Fiber Material Percentage and Type	Non-Fibrous Material Percentage and Type	Asbestos Percentage and Type	Other Fiber Material Percentage and Type	Asbestos Percentage and Type	1 LAYER	2 OR MORE LAYERS
CAT-423-BASE-ASB-96	Grey Joint Packing	Bsmt./Crawl Space	183081-01		T SIL-TE			ND	EJ. 1913	ND	x	10000
CAT-423-BASE-ASB-97	Grey Joint Packing	Bsmt/Crawl Space	183081-02	PLM&TEM NOB	A- A-	also en en en		ND	100	ND	х	(13)(3)
				T-DX-27-LE							- 7 1 1 1	
live Postalistical participation of the state of the stat				Para Palas		allions's re				PATE AND DESCRIPTION	715	
											1 In 5	
				7144,322		5.				E CONTRACTOR		
			a South Co-	EXCENSES.						V 1000		
								Beaters De	COLUMB !	1100-20-	15	
					V session							
										SHOT SEE	to Hill	Link
			Mar Direct		S CAMILLY			E E E 12			EFF	
							7.00					
						Maria Con 1						C 100 100
				The second second	e to sixt	72.00				Envoyed 1	THE REAL	535.50
						ATT E.D.						-100

PLM RL=0.25% (RL represented by the detection of ones absestos in 400 points).	* TRACE= Asbestos appears in a field but does not lie directly under a point.	* TEM RL=1% * ND= NONE DETECTED	
NA = Not analyzed due to residue <1%. Samples are reported as Non-ACM * All	PLM-NOB samples with 1% asbestos or less are "Inconclusive"		fy that a NOB is inconclusive result in PLM
he results relate only to the items calibrated or tested. Samples will be stored for nin	nety (90) days and then returned to the client upon request. The certificate of rep	ort shall not reproduced without approval of the	
aboratory. This report must not be used by the client to claim product, certification, a	approval, or endorsement by NVLAP, NIST or any agency of the Federal Govern	nment.	
TEM results are not covered by NVLAR and AIHA-LAP.			
Samples condition upon receipt: Acceptable			
If the material contains greater than 10% Vermiculte, Item 198.6 from NYS DOH w	ill be use for analysis. This method does not remove vermiculite and underesting	nate the level of asbestos in a sample containing	greater than 10% vermiculite.
1	12 -		ma
Analyst PLM:	Analyst TEM:	Laboratory Manager:	11100
Roody Louis	Hao Wu		Mei Liu
Date of Analysis: 03/07/18	Date of Analysis: 03/08/18		Date of Report: 03/09/18
NYS-DOH ELAP #: 11273	AIHA-LAP#: 100269 NVLAP Lab Code: 102047-0		

TURN AROL	JND TIME:			
RUSH	6 HRS_	_ 24 HRS	OTHER_	

		AODLOTOOTILL			TA SHEET / BULK SAMPL			PAGE	
PRO.	JECT NO.:			LOCA	TION(S) SURVEYED: BASEM	EUT, (CRAW	L SA	CF
CLIE	NT: BIDWEL							1	
PRO.	JECT SITE: KEN	SIGO LAB		SCOP	E OF WORK: BUILDING- 1	PENOVA	FTIBA		
INVE	STIGATOR:			INSPE	ECTOR: M. WELLOUL DA	TE(S) OF INS	PECTION	N:_3/	16/18
	FUNCTIO	NAL SPACE	SAMPLE#		HOMOGENEOUS	QUANTITY	ASSES	SMENT	ASBESTOS CONTENT
FLO	OR AREA	DESCRIPTION	ASSUMED		MATERIAL DESCRIPTION	(LF/SF)	COND	FRIAB	%
B	BASEMENT,	CRAWLSPACE	- BASE-ASE	1	BEY DRAIN JONT		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM: TEM:
B		11	BASE AND	1	GREY DRAIN JOINT		1, 2, 3, 4, 5, 6, 7 GMD P	F	PLM: TEM:
							1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
							1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
							1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
				W. The			1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
							1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
							1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
							1, 2, 3, 4, 5, 6, 7 G MD P	F NF	PLM: TEM:
PHYSI	ICAL CONDITION ASSESSMENT	FRIABLE PLM - POLARIZED LIGHT MI	CROSCOPY	TEM - T	TRANSMISSION ELECTRON MICROSCOPY	NYSDOL INSPEC CERTIFICATE NO	0.1/ 1/	WELLO +716	
2 Damaged 3 Significar 4 Damaged 5 ACBM wi 6 ACBM wi 7 Remainin	d or Significantly Damaged Fritable TSI 6 Fritable Surfacing ACM 16 Fritable Surfacing ACM 17 Damaged Fritable Surfacing ACM 18 of Significantly Damaged Fritable Misc. ACM 18 potential for Damage 18 Fritable or Suspect ACSIM 10 MD — Minor Damage / P -Poor	Yes (Y) No (N) RECEIVED BY: RELINQUISHED BY: RECEIVED BY: RECEIVED BY:	semary,	Ro	DATE: 3/6//8 TIME: DATE: TIME: DATE: TIME:	TELEPHONE NO ADDRESS: 1. A visual determina 2. Collect bulk sampla 3. A physical "Hand id 4. Assessment of su 5. Quantify the amou 6. Submit bulk samp 7. Bulk Sample locat	ation of accessibles of suspect be Pressure" test for spect friable and ant of suspect miles for analysis	ole suspect mate uilding materials or determining fri d non-friable materials in their re by PLM and/or 1	iability and condition. terials and locations, respective locations.

New York State - Department of Labor

Division of Safety and Health License and Certificate Unit State Campus, Building 12 Albany, NY 12240

ASBESTOS HANDLING LICENSE

Niche Analysis, Inc. Suite 208 399 Knollwood Road

White Plains, NY 10603

FILE NUMBER: 99-0933 LICENSE NUMBER: 28914

LICENSE CLASS: RESTRICTED DATE OF ISSUE: 11/25/2017 EXPIRATION DATE: 12/31/2018

Duly Authorized Representative - Bing Liang:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director For the Commissioner of Labor

SH 432 (8/12)

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2018 Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. BING LIANG NICHE ANALYSIS INC 399 KNOLLWOOD ROAD SUITE 208 WHITE PLAINS, NY 10603 NY Lab Id No: 11236

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

Serial No.: 55924

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

New York State - Department of Labor

Division of Safety and Health License and Certificate Unit State Campus, Building 12 Albany, NY 12240

ASBESTOS HANDLING LICENSE

KAM Consultants Corporation 35-40 36th Street Long Island Cty, NY 11106

FILE NUMBER: 99-0898 LICENSE NUMBER: 28659 LICENSE CLASS: RESTRICTED DATE OF ISSUE: 10/06/2017 EXPIRATION DATE: 10/31/2018

Duly Authorized Representative - George Kouvaras:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

File of Thanks

Eileen M. Franko, Director For the Commissioner of Labor

SH 432 (8/12)

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2018 Issued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MR. GEORGE KOUVARAS KAM CONSULTANTS 35-40 36TH ST LONG ISLAND CITY, NY 11106 NY Lab Id No: 11273

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous

Asbestos in Friable Material

Item 198.1 of Manual

EPA 600/M4/82/020

Asbestos in Non-Friable Material-PLM

Item 198.6 of Manual (NOB by PLM)

Asbestos in Non-Friable Material-TEM

Item 198.4 of Manual

Asbestos-Vermiculite-Containing Material Item 198.8 of Manual

Lead in Dust Wipes

EPA 7000B

Lead in Paint

EPA 7000B

Sample Preparation Methods

EPA 3050B

ASTM E-1979-12

Serial No.: 55940

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

New York State - Department of Labor

Division of Safety and Health License and Certificate Unit State Campus, Building 12 Albany, NY 12240

ASBESTOS HANDLING LICENSE

ATC Group Services, LLC 10th Floor 104 East 25th Street

New York, NY 10010

FILE NUMBER: 99-0121 LICENSE NUMBER: 29902

LICENSE CLASS: RESTRICTED DATE OF ISSUE: 03/29/2017 EXPIRATION DATE: 03/31/2018

Duly Authorized Representative – Mark Terjesen:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director For the Commissioner of Labor

SH 432 (8/12)

NEW YORK STATE DEPARTMENT OF HEALTH WADSWORTH CENTER



Expires 12:01 AM April 01, 2018 ssued April 01, 2017

CERTIFICATE OF APPROVAL FOR LABORATORY SERVICE

Issued in accordance with and pursuant to section 502 Public Health Law of New York State

MS. MILENA BONEZZI ATC GROUP SERVICES LC 104 EAST 25TH STREET 10TH FLOOR NEW YORK, NY 10010

NY Lab Id No: 10879

is hereby APPROVED as an Environmental Laboratory for the category ENVIRONMENTAL ANALYSES SOLID AND HAZARDOUS WASTE All approved subcategories and/or analytes are listed below:

Miscellaneous =

Asbestos in Friable Material

Item 198.1 of Manual

Asbestos in Nore Friable Material PLM frem 198.6 of Manual (NOB by PLM)

<u></u> <u>⊫ltem</u> 198.4 of Manual Asbestos in Non-Friable Material-TEM

Asbestos-Vermiculite Containing Material Item 198.8 of Manual

Serial No.: 55817

Property of the New York State Department of Health. Certificates are valid only at the address shown, must be conspicuously posted, and are printed on secure paper. Continued accreditation depends on successful ongoing participation in the Program. Consumers are urged to call (518) 485-5570 to verify the laboratory's accreditation status.

ATTACHMENT C

Data Reports and Sample Locations from Previous Surveys and Sampling Events





Laboratory Report

AmeriSci Boston Eight School Street Weymouth, MA 02189 781-337-9334

Report Date 10/13/2004 Workorder No. 0410-00032

Customer: URS Corporation-New York

5 Penn Plaza 13th Floor

New York, NY 10001

Attention: Mr. Tom Gibbons

Subject: BWS 191: PAINT CHIPS

Sample: 001 191-LBP-01: BEIGE PAINT-MICROBIOLOGY OFFICE, ABOVE SUSPENDED CEILING TILE

Date: 09/28/2004

Matrix: CHIP

ParameterMethodResultsUnitsPQLAnalystAnalysis DateQualLead, Chip7420, SW-8460.0912%0.0124JRH10/11/2004

Sample: 002 191-LBP-02: BLACK PAINT ON DUCT-BASEMENT BOILER ROOM

Date: 09/28/2004

Matrix: CHIP

ParameterMethodResultsUnitsPQLAnalysis DateQualLead, Chip7420, SW-8460.264%0.0247JRH10/11/2004

Sample: 003 191-LBP-03: SILVER PAINT ON MILLS-WATER TUBE BOILER

Date: 09/28/2004

Matrix: CHIP

Parameter
Lead, ChipMethod
7420, SW-846Results
0.213Units
%PQL
0.0181Analysis Date
JRHAnalysis Date
10/11/2004

Sample: 004 191-LBP-04: BEIGE CEILING PAINT-BASEMENT STORAGE ROOM

Date: 09/28/2004 Matrix: CHIP

ParameterMethodResultsUnitsPQLAnalystAnalysis DateQualLead, Chip7420, SW-8460.512%0.0374JRH10/11/2004

Certifications: MA: MA069 NY:10982 CT: PH0119 RI:A45 CA:2050 NJ: 59744

ND = Not Detected PQL= Practical Quantitation Limit Page: 1 of 2



Laboratory Report

AmeriSci Boston **Eight School Street** Weymouth, MA 02189 781-337-9334

Report Date

05/23/2005

Workorder No. 0505-00140

Customer: URS Corporation-New York

5 Penn Plaza 13th Floor

New York, NY 10001

Attention: Mr. Tom Gibbons

Subject:

BWS-191: KENSILO LAB

Sample:

191-01-LCP-01 BLACK DUST IN BASEMENT 001

Date:

05/04/2005

Matrix:

CHIP

Parameter Lead, Chip	Method 7420, SW-846	Results 0.205	<u>Units</u> %	<u>PQL</u> 0.0138	Analyst NAP	Analysis Date 05/12/2005	Qual
Mercury	SW-846; 7471	2.00	mg/Kg	0.10	JRH	05/19/2005	
PCB 8082-SOIL/SOLID			• •		LMS	05/18/2005	
PCB-1016	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1221	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1232	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1242	EPA 8082 ·	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1248	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1254	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1260	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1262	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
PCB-1268	EPA 8082	ND	ug/Kg	3330	LMS	05/18/2005	
TCMX (SURROGATE)		120	%		LMS	05/18/2005	
DCB (SURROGATE)		150	%		LMS	05/18/2005	
Percent Solids		100	%		EBH	05/17/2005	
PCB OIL/SOIL EXTRACTIO	N	0.30			MEW	05/17/2005	

Sample:

191-01-LCP-02 SILVER BOILER IN BASEMENT 002

Date:

05/04/2005

Matrix:

CHIP

Parameter Lead, Chip	Method 7420, SW-846	Results 0.104	Units %	<u>PQL</u> 0.0154	Analyst NAP	Analysis Date 05/12/2005	Qual
Mercury	SW-846; 7471	0.14	mg/Kg	0.10	JRH	05/19/2005	
PCB 8082-SOIL/SOLID					LMS	05/18/2005	
PCB-1016	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	

MA: MA069

NY:10982

CT: PH0119

RI:A45

CA:2050

NJ: 59744

Page:

Certifications:

ND = Not Detected

PQL= Practical Quantitation Limit

1 of



Customer:

URS Corporation-New York

Workorder No. 0505-00140

Sample:

002

191-01-LCP-02 SILVER BOILER IN BASEMENT

(Continued)

Parameter PCB-1221	Method EPA 8082	Results ND	<u>Units</u> ug/Kg	<u>PQL</u> 2700	Analyst LMS	Analysis Date 05/18/2005	Qual
PCB-1232	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	
PCB-1242	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	
PCB-1248	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	
PCB-1254	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	
PCB-1260	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	
PCB-1262	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	
PCB-1268	EPA 8082	ND	ug/Kg	2700	LMS	05/18/2005	
TCMX (SURROGATE)		123	%		LMS	05/18/2005	
DCB (SURROGATE)		154	%		LMS	05/18/2005	
Percent Solids		100	%		EBH	05/17/2005	
PCB OIL/SOIL EXTRACTIO	N	0.37			MEW	05/17/2005	

Sample:

191-19-LCP-01 CREAM CEILING PAINT IN 2ND FLOOR MICROBIOLOGY OFFICE 003

Date:

05/04/2005

Matrix:

CHIP

Parameter Lead, Chip	Method 7420, SW-846	Results 0.105	Units %	<u>PQL</u> 0.0128	Analyst NAP	Analysis Date 05/12/2005	<u>Qual</u>
Mercury	SW-846; 7471	5.05	mg/Kg	0.19	JRH	05/19/2005	
PCB 8082-SOIL/SOLID					LMS	05/18/2005	
PCB-1016	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
PCB-1221	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
PCB-1232	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
PCB-1242	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
PCB-1248	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
PCB-1254	EPA 8082	5610	ug/Kg	1230	LMS	05/18/2005	
PCB-1260	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
PCB-1262	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
PCB-1268	EPA 8082	ND	ug/Kg	1230	LMS	05/18/2005	
TCMX (SURROGATE)		122	%		LMS	05/18/2005	
DCB (SURROGATE)		152	%		LMS	05/18/2005	
Percent Solids		100	%		EBH	05/17/2005	
PCB OIL/SOIL EXTRACTIO	N	0.81			MEW	05/17/2005	

Certifications:

CA:2050 NJ: 59744 CT: PH0119 RI:A45 NY:10982 MA: MA069

ND = Not Detected

PQL= Practical Quantitation Limit

Page:

2 of

EcoTest Laboratories Inc 377 Sheffield Ave North Babylon, NY 11703 631 422-5777

LAB NO.264428.01

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor

Valhalla, NY 10595

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE: Kensico Lab.

SOURCE OF SAMPLE: 19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client DATE COL'D:11/01/06 RECEIVED:11/09/06

TIME COL'D:1700

MATRIX: . Solid SAMPLE: Lunch Room Window Gaulking

Grab

Aroclor 1016 mg Aroclor 1221 mg Aroclor 1232 mg Aroclor 1242 mg Aroclor 1248 mg Aroclor 1254 mg	UNITS RESULT /Kg < 1 /Kg < 1	DATE OF FLAG ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	LRL M 1	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
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cc: Edward Walters

REMARKS:

LRL=laboratory Reporting Limit

DIRECTOR

rn = 31874

NYSDOH ID # 10320

of 1

LAB NO.264428.02

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor 10595

Valhalla, NY

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE: Kensico Lab,

SOURCE OF SAMPLE:

19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client DATE COL'D:11/06/06 RECEIVED:11/09/06

TIME COL'D:1100

MATRIX: . Solid SAMPLE: Attic Duct Work

Grab

ANALYTICAL PARAMETERS Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	RESULT < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1	FLAG	DATE OF ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	جما همية ممية جمية شمية عمية	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
Arsenic as As Barium as Ba Cadmium as Cd Chromium as Cr Lead as Pb Mercury as Hg Selenium as Se Silver as Ag		< 5 77 13 41 820 0.67 < 1 < 2.5		11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/14/06 11/15/06 11/15/06	2.5 2.5 2.5 2.5 0.1	EPA6010 EPA6010 EPA6010 EPA6010 EPA6010 EPA7470A EPA7740 EPA6010

cc: Edward Walters

LRL=1aboratory Reporting Limit

REMARKS:

Page 1 of 1

rn = 31875

NYSDOH ID # 10320

LAB NO.254428.03

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor Valhalla, NY 10595

Valhalla, NY

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE: Kensico Lab,

SOURCE OF SAMPLE: 19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client DATE COL'D:11/06/06 RECEIVED:11/09/06

TIME COL'D:1115

MATRIX: . Solid SAMPLE: Lunch Room White Paint

Grab

ANALYTICAL PARAMETERS Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	RESULT < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1	FLAG	DATE OF ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	1 1 1 1 1	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
Arsenic as As Barium as Ba Cadmium as Cd Chromium as Cr Lead as Pb Mercury as Hg Selenium as Se Silver as Ag	mg/Kg	5.6 31 2.7 2.5 1000 7.3 < 1 < 2.5		11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/14/06 11/15/06 11/15/06	2.5 2.5 2.5 2.5 0.5	EPA6010 EPA6010 EPA6010 EPA6010 EPA7470A EPA7740 EPA6010

cc: Edward Walters

LRL=laboratory Reporting Limit

REMARKS:

rn = 31876

NYSDOH ID # 10320

of 1

LAB NO.264428.04

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor

Valhalla, NY 10595

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE:

Kensico Lab.

SOURCE OF SAMPLE:

19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client

DATE COL'D:11/06/06 RECEIVED:11/09/06

TIME COL'D:1120

MATRIX: . Solid SAMPLE: Lunch Room Beige Paint

Grab

ANALYTICAL PARAMETERS Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260		< 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1	DATE OF ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	بسا فمم يسم بسم مما	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
Arsenic as As Barium as Ba Cadmium as Cd Chromium as Cr Lead as Pb Mercury as Hg Selenium as Se Silver as Ag	mg/Kg mg/Kg mg/Kg	5.5 37 < 2.5 39 350 1.3 < 1 < 2.5	11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/14/06 11/15/06 11/15/06	2.5 2.5 2.5 2.5 0.1	EPA6010 EPA6010 EPA6010 EPA6010 EPA7470A EPA7740 EPA6010

cc: Edward Walters

LRL=laboratory Reporting Limit

REMARKS:

of 1

rn = 31877

NYSDOH ID # 10320

LAB NO.264428.05

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor

Valhalla, NY 10595

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE:

Kensico Lab.

SOURCE OF SAMPLE:

19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client

DATE COL'D:11/06/06 RECEIVED:11/09/06

TIME COL'D:1130

MATRIX: . Solid SAMPLE: Drafting Room Ceiling Beams

Grab

ANALYTICAL PARAMETERS Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	mg/Kg mg/Kg mg/Kg mg/Kg	RESULT < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 <	FLAG	DATE OF ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	4-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1-1	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
Arsenic as As Barium as Ba Cadmium as Cd Chromium as Cr Lead as Pb Mercury as Hg Selenium as Se Silver as Ag	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	< 5 200 < 2.5 230 1800 6.3 < 1 < 2.5		11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/14/06 11/15/06 11/15/06	2.5 2.5 2.5 2.5 0.5	EPA6010 EPA6010 EPA6010 EPA6010 EPA7470A EPA7740 EPA6010

cc: Edward Walters

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR

NYSDOH ID # 10320

of 1

rn = 31878

LAB NO.264428.06

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor

Valhalla, NY 10595

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE: Kensico Lab,

SOURCE OF SAMPLE: 19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client DATE COL'D:11/06/06 RECEIVED:11/09/06

TIME COL'D:1140

MATRIX: . Solid SAMPLE: Library & Conference Room Wall

Grab

ANALYTICAL PARAMETERS Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	RESULT < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 < 1 <	FLAG	DATE OF ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	1 1 1 1 1	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
Arsenic as As Barium as Ba Cadmium as Cd Chromium as Cr Lead as Pb Mercury as Hg Selenium as Se Silver as Ag	mg/Kg mg/Kg mg/Kg	< 5 680 < 2.5 44 320 7.3 < 1 < 2.5		11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/14/06 11/15/06 11/15/06	2.5 2.5 2.5 2.5 0.5	EPA6010 EPA6010 EPA6010 EPA6010 EPA6010 EPA7470A EPA7740 EPA6010

cc: Edward Walters

LRL=laboratory Reporting Limit

of

REMARKS:

DIRECTOR

rn = 31879

NYSDOH ID # 10320

LAB NO.264428.07

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor

Valhalla, NY 10595

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE: Kensico Lab,

SOURCE OF SAMPLE: 19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client

DATE COL'D:11/06/06 RECEIVED:11/09/06

TIME COL'D:1150

MATRIX: . Solid SAMPLE: First Floor Ceiling Tiles

Grab

ANALYTICAL PARAMETERS Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	mg/Kg mg/Kg mg/Kg	< 1 < 1 < 1 < 1 < 1 < 1 < 1 < 2.6	DATE OF ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	and and and and and	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
Arsenic as As Barium as Ba Cadmium as Cd Chromium as Cr Lead as Pb Mercury as Hg Selenium as Se Silver as Ag	mg/Kg mg/Kg mg/Kg	17 300 100 6.6 20 2.7 < 1 < 2.5	11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/14/06 11/15/06 11/15/06	2.5 2.5 2.5 2.5 0.1	EPA6010 EPA6010 EPA6010 EPA6010 EPA7470A EPA7740 EPA6010

cc: Edward Walters

LRL=laboratory Reporting Limit

REMARKS:

NYSDOH ID # 10320

of 1

rn = 31880

LAB NO.264428.08

11/16/06

NYC-DEP, Sutton Park Offices 465 Columbus Ave., 2nd Floor

Valhalla, NY 10595

ATTN: Patricia Daye

PO#:

SOURCE OF SAMPLE: Kensico Lab,

SOURCE OF SAMPLE: 19 West Lake Drive, Valhalla, NY

COLLECTED BY: Client DATE COL'D:11/06/06 RECEIVED:11/09/06

TIME COL'D:1200

MATRIX: . Solid SAMPLE: Boiler Room Wall

Grab

ANALYTICAL PARAMETERS Aroclor 1016 Aroclor 1221 Aroclor 1232 Aroclor 1242 Aroclor 1248 Aroclor 1254 Aroclor 1260	mg/Kg mg/Kg mg/Kg mg/Kg mg/Kg	< 1 26	FLAG	DATE OF ANALYSIS 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/15/06	LRL. 1 1 1 1 1 5	ANALYTICAL METHOD EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082 EPA8082
Arsenic as As Barium as Ba Cadmium as Cd Chromium as Cr Lead as Pb Mercury as Hg Selenium as Se Silver as Ag	mg/Kg mg/Kg mg/Kg	100 < 2.5 440 5600 1.2		11/15/06 11/15/06 11/15/06 11/15/06 11/15/06 11/14/06 11/15/06 11/15/06	2.5 2.5 2.5 2.5 0.1	EPA6010 EPA6010 EPA6010 EPA6010 EPA6010 EPA7470A EPA7740 EPA6010

cc: Edward Walters

LRL=laboratory Reporting Limit

REMARKS:

DIRECTOR_

Page 1 of 1

NYSDOH ID # 10320

rn = 31881



New York City Department of Environmental Protection

Item Type	Item Id	Building Name	Functional Area Descrption	Material COC	Material Location	Material Description	Homogen- ous Id	Recomm endation	Item Created Date	Target Date	Status	Sample Results
Facility Sampling	15_LATS1	Kensico Laboratory - BWS-191	5 - Main Level	Asbestos	Floor	Floor Tile Green 9 in. x 9 in.	11	Manage In Place	8/29/2005	8/18/2017	Manage	
	Comments		Comment Type	Comment Desc	cription							
			Item	Manage in place A	According to DEP Asbestos	Policy Guidelines. Tiles were covered with	linoleum sheeting in ea	arly 2008				
			Recommendation	Being managed in	PMIS -Recomendation- Ma	anage in Place						
Facility Sampling	15036	Kensico Laboratory - BWS-191	1st Floor - Throughout	Lead, PCB	Laboratory Areas	Ceiling Tile		Follow OSHA 1926	1/26/2017		Closed	PCB-4.43mg/kg (PPM), Lead- 13.0mg/kg (PPM), Lead-0.096mg/L, PCB-0.70mg/kg (PPM), Lead- 172mg/kg (PPM), Lead-<0.005mg/L, Lead-20mg/kg (PPM), PCB- 2.6mg/kg (PPM)
	Sample Comm	ents	Non-Haz; Aroclor 1254,1260 LCP I	Non-Haz TCLP Non	-Haz; Aroclor 1254,1260 L0	CP Non-Haz TCLP LCP Non-Haz PCB; Aro	clor 1254					
	Comments		Comment Type	Comment Desc	cription							
			Item	Historical results e	extracted from 2003 Fleet E	nvironmental survey (2003) and In-House S	ampling activity (2006)					
			Recommendation	LCP <5000 mg/kg	; Non-Haz PCB <50 ppm							
Facility Sampling	15037	Kensico Laboratory - BWS-191	1st Floor - Throughout	Asbestos	Chemistry Room	Ceiling Tile		No action is required	1/26/2017		Closed	Asbestos-0%
	Sample Comm	ents	Non-ACM; Homogenous throughout	ut 1st Floor Lab Area	as; BWS-U2006-58E							
	Comments		Comment Type	Comment Desc	cription							
			Recommendation	Non-ACM; Ceiling	Tile Mastic Non-ACM; San	npled during URS inspection, please view Fa	acility FSAR for results	 ;				

New York City Department of Environmental Protection

Item Type	Item Id	Building Name	Functional Area Descrption	Material COC	Material Location	Material Description	Homogen- ous Id	Recomm endation	Item Created Date	Target Date	Status	Sample Results
Facility Sampling	BWS-191-05	Kensico Laboratory - BWS-191	Interior	Asbestos	Conduits	Wire Insulation		No action is required			Closed	Asbestos-0%
	Comments		Comment Type	Comment Desc	ription							
			Item	Samples collected	from wire insulatioon assoc	iated with outlets and light fixtures						
Facility Sampling	BWS-191-06	Kensico Laboratory - BWS-191	3 - Stairs/ Hallway	Asbestos	Floor	Terrazzo Floor		No action is required			Closed	Asbestos-0%
	Comments		Comment Type	Comment Desc	ription							
			Item	Revised functional	area description to include	area #						
Facility Sampling	BWS-191-07	Kensico Laboratory - BWS-191	Interior	Asbestos	Door Frames	Caulk		Manage In Place		8/18/2017	Manage	Asbestos-1.89%
	Comments		Comment Type	Comment Desc	ription							
			Item	Material located be	elow metal frames T/O facilit	ty						



BULK SAMPLE ANALYSIS REPORT

NEW YORK CITY - DEP P.O. BOX 9, RIVER ROAD CHELSEA, NY 12512

NICHE FILE: 04-2530-0 **HUDSON RIVER PUMPING STATION**

PHONE: (845) 831-6130; FAX (845) 831-3601

OUT CALC

MICH

The same of the sa			rage i ot i
PROJECT NAME	Kensico Lab	COMP#	BWS-U2004-05E
LOCATION	Upstairs	PURCHASE ORDER#	826 20044013093
ADDRESS	West Lake Drive	INVESTIGATOR	Dieter Schmidt
	Valhaila, NY 10595	DATE RECEIVED	02-11-04
		DATE ANALYZED	02-12,13-04

Sample No.	Type Of Material Condition / Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent	
0210040201E	Plaster/ White-Brown	Upstairs/ Office/ Left front/ Chimney	ND	<1% CELL	
0210040202E	Plaster/ White-Brown	Upstairs/ Office/ Left front/ Chimney	ND	ND	
0210040203E	Plaster/ Brown	Upstairs/ Office/ Left front/ Chimney	ND .	ND	
0210040204E	Plaster/ White-Gray	Upstairs/ Office/ Right rear	ND	2% CELL 3% AH	
0210040205E	Plaster/ White-Brown	Upstairs/ Office/ Right rear	ND	2% CELL 2% AH	
0210040206E	Sheet floor covering material/ Green-Brown	Upstairs/ Hallway by main door	IND	10% CELL / TEA	
0210040207E	Sheet floor covering meterial/ Green-Brown	Upstairs/ Dave Robinson Office/ Right front	IND	30% CELL	
0210040208E	Sheet floor covering material/ Green-Brown	Upstaira/ Left office/ By divider wall	IND	30% CELL	

Note: The belonce of each sample is non-fibrous perilculates. Please contect us promptly if you have any question about these results. Analysis was performed by using "Point Count Tschrique" as required and recommended by the New York State Department of Meath and USEPA Interim Method for "Identification of Abbalos Fibers in Buts Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the Illiams listed. All samples were collected by client and sample information were provided by offen, NICHE itselfits, not to accessed filth Phyolos amount.

"Poisitized sight inforcecopy is not consistently reliable in detecting assessios in floor coverings and atmitter non-triable organically bound materials. Quantitative transmission electron inforcecopy is correctly the only method that can be used to determine if the material our be considered or treated as non-asbestos-containing, (NYSDON-ELAP 198.1)

l	SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
	METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASSESTOS IN BUCK BUILDING MATERIALS" USEPA SOUR-B3/118, JULY 1983 (EPA SOCIA-182/020)
l	INSTRUMENT:	OLYMPUB POLARIZED LIGHT MICROSCOPY, MODEL SH-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED* CELL = CELLULOSE FIBG = FIBERGLASS AH= ANIMAL HAIR

ELAP#: 11236

BING LIANG Laboratory Director Approved Signatory

10 Fiske Place, Suite 517, Mount Vernon, NY 10550 . Phone: (914) 663-8937 . Fax: (914) 663-8782

2-17-04 EDER TO ANTHONY
2-24-04 TO 194 967 3185

EMSL Analytical, Inc.

dat West Jell Stroot, New York, NY 1001R

KENTICO LAB. Phone (212) 290-0051 Fax: (212) 280-0058 Email: manhattaniebell

Ann: Niche Analysis, Inc.

10 Fiske Place

Suite 517

Mount Vernon, NY 10550

Customer ID: Customer PO: NICH50

Received:

09/20/04 8:30 AM

EMSL Order: 030417840 MAIN FLOOR

(914) 553-8782

Phone: (914) 663-9937

Project: 04-3286-2/ KENSTOO LAB, VALHALLA, NY

EMSL Proj:

Analysis Date:

9/21/2004

Report Date:

9/27/2004

Asbestos Analysis of Non-Friable Organically Bound materials by Transmission Electron Microscopy via NYS ELAP Method 198.4

SAMPLE ID	DESCRIPTION	APPEARANCE	% MATRIX MATERIAL	% non-asbestos fibers	ASBESTOS TYPES	% TOTAL ASBESTOS
0913040204E 020417840-0004	BOTTLE WASH ROOM/ CEILING TILE GLUE	Brown/Beige Fibrous Heterogeneous	190.0	None	No Aábe	stoz Delected

Analyst(8)

Ben Ho (1)

Jose Arriaga or other approved signatory

This laboratory is not responsible for Masbestas in loter sample when the residue only is submitted for analysis. The poore report relates proy in the tierre cented. This report may not be reproduced, except in full, without written approved by EARL Analysissis, inc. ACCREDITATIONS: NVLAP RIGIDARS and MY STATE ELAP PLIGGE

THIS IS THE LAST PAGE OF THE REPORT.



NICHE ANALYSIS, INC. BWG - U2004 - 42 E

BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 04-3229-0

HUDSON RIVER PUMPING STATION

NEW YORK CITY - DEP

59-17 JUNCTION BOULEVARD, 11TH FLOOR

FLUSHING, NEW YORK 11373-5108

PHONE: (718) 595-4384; FAX: (718) 595-4387

Page 1 of 1

CONTRACT #	A\$B9-00	COMP#	BWS-U2004-42E
PROJECT NAME	Kensico Lab	CONTRACT REG #	CTC 82620040026513
LOCATION	Main Floor	DEP INSPECTOR	Dieter Schmidt
PROJECT	Columbus Avenue	ANALYST	Bing Liang
ADDRESS	Valhalla, NY	DATE RECEIVED	09-15-04
		DATE ANALYZED	09-16-04

Sample No.	Type Of Material Condition / Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
0913040201E	Pipe insulation/ White	Main floor/ Back door room/ Heat pipes	27.3% Amosite 9.1% Crocidolite	ND
0913040202E	Pipe insulation/ White	Main floor/ Main Lab area/ Heat pipes	33.3% Amosite 11.1% Crocidolite	ND
0913040203E	Pipe insulation/ White	Main floor/ Bottle Wash Room/ Heat pipes	30% Amosite 10% Crockdolite	ND
0913040204E	Ceiling tile glue/ Dark	Main floor/ Bottle Wash Room/ Ceiling	IND	<1% Fiberglass / TE NO
0913040205E	Ceiling tile glue/ Dark Brown	Main floor/ Back door left/ Ceiling	IND	<1% Fiberglass <1% Cellulose
0913040206E		Main floor/ East back door/ Ceiling	IND	<1% Fiberglass
0913040207E	Celling tile/ Brown	Main floor/ Back door left/ Ceiling	ND	90% Fiberglass

Rote 1: The belance of each sample is non-fabricus particulates. Please contact us promptly if you have any question about thinse results. Analysis was performed by uning 'Point Count Technique' as required and recommended by the New York State Department of Health and USEPA Interfit Method for "Identification of Asbestus Fabers in Role Samples". This report must not be used by the client to claim product industratement by NVLAP or any agency of the US government. This report relates only to the terms safed, NICHE's Febrity not to exceed the undice amount. All sample were collected by the client in sample location was provided by the client. All sample were collected by the client in the content of the properties of the US government. This report relates only to the times safed, NICHE's Febrity not to exceed the undice amount. All sample were collected to exceed the undice amount. All sample were collected to exceed the undice amount. All sample were collected to exceed the undice amount of the material can be consistently elected and indice and the material can be consistently elected. The properties of the pr

SAMPLE ANALYSIS BY.	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
METHOD OF SAMPLE PREPARATION & ANALYSIS.	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE HEHMINATION OF ASBESTOS IN DUCK BUILDING MATERIALS" USEPA 600/R 93/118. JULY 1993. (FPA 600/M 4/03/07/H)
INSTRUMENT	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL RIL-2

ND = NONE DETECTED

ELAP# 11236

Bing Liang Laboratory Director

JEFF H.

BULK SAMPLE ANALYSIS REPORT

NEW YORK CITY - DEP P.O. BOX 9, RIVER ROAD NICHE FILE: 04-2449-0
HUDSON RIVER PUMPING STATION

CHELSEA, NY 12512

PHONE: (845) 831-6130; FAX (845) 831-3601

Page 1 of 1

PROJECT NAME	Kensico Lab	COMP#	BWS-U2004-01E
LOCATION	Garage / Cabinet	PURCHASE ORDER#	826 20044013093
ADDRESS	NA	INVESTIGATOR	Dieter Schmidt
		DATE RECEIVED	01-09-04
		DATE ANALYZED	01-09-04

Sample No.	Type Of Material Condition / Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
0105040201E	Coordinated Air Cell Sheet Insulation/ Grayish	Cabinet/ Old incubator/ Top cavity	28 57% Chrysotile	55% CELL
0105040202E	Coordinated Air Cell Sheet Insulation/ Graylsh	Left door cavity	33.33% Chrysotile	50% CELL

Note: The belance of each sample is non-florous particulates. Please contact us promotly if you have any question about those results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbastos Fibers in Bulk Samples." This report must not be used by the citiant to delim product endorsement by NYLAP or any signery of the US pavarament. This report missis on the listed Detection limit is 1% for sabestos. NICHE's highlifty not to exceed the involors amount. Polarized light microscopy is not consistently reliable in detecting estates in floror coverings and estates on a product and materials. Quantitative transmission alsotron microscopy is our method that can be used to determine if the material can be considered or treated as non-aspector-containing.

ı	SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
	METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA METHOD FOR THE DETERMINATION OF ASSESTOS IN BULK BUILDING MAYERIALS USEPA 600/R-93/118, JULY 1693 (EPA 600/M4/82/02D)
1	INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL 8H-2

ND = NONE DETECTED CELL = CELLULOSE ELAP#; 11236

BING LIANG
Laboratory Director

AJU

Ø003/008



ATC ASSOCIATES INC 104 E. 25th Street, 10th Floor

New York, NY 10010 Tel, 212-353-8280

Fax: 212-353-8306

Client: DEP

Sampling Date: 12/18/2007

Date Received : 12/24/2007

Date Analyzed: 12/24/2007

Project: KENSICO MANOR

ATC Hatch # 7-2116

Methods: EPA 600/M4-82-020

EPA 600/R-93/116

Location: KENSICO LAB, COLUMBUS AVE., VALHALL, NY - HVAC DUCT

INSULATION / CELLING PLASTER

ELAP 198 t, 198.6 and 198.4

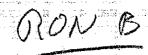
Project # BWS-U2007-68E

14 2006. CBE

Bulk Asbestos Analysis Results

		•		Non-Ashestos		NOB	Asbestos
Sample 4	Location	Type of Material	Mathed	% Fibrory	% Nen-Fibrous	% Type	% Type
1218070201E	CHEM, ROOM HVAC DUCT	GRYA VAFOR BARRIER - BELOW BATTING - HARD	PLM	4#04 Ph. Al-	79% Mineral Filler		6% Chrysotile
7-2116-1				15% FiberGlass			
		Color: BR	NYL		•		
Analyzed By, Y	elena Peysakhova						Total Asbestos: 6 %
1218070 2 02E	CHEM ROOM HVAC DUCT	GRYA VAPOR BARRIER - BELOW BATTING - HARD	PLM	17% FiberGlass	77% Mineral Filler		6% Chrysodia
7-2416-7				If A Tripolanges			
		Color: BR	NΥL				
Analyzed By Yo	elena Paysakhova						Total Asbestos: 6 %
12180707036	CHEM ADOM HVAC DUCY INSULATION	GRYA VAPOR BARRIER - BELOW BATTING - HARD	PLM	15% FiberGlass	79% Mineral Filler		8% Chrysolle
7-2116-3		-		(=,0) (04,000			
		Color 9R	MAF				
Analyzed By: Yi	alana Peysakhova	·			•		Total Asbeston: 6 %
1218070204E	AUTO GLAVE ROOM CEIUNG PLASTER	GRAY - HARD CONCRETE	PLM		100% Mineral Filler		
7-2118 -4							NONE DETECTED
		Color: BRI	OWN				
Anstyzed By: Ye	slena Peysekhove			•			
	AUTO CLAVE ROOM CEILING PLASTER	GRAY - HARD CONCRETE	PLM		100% Mmeral Filler		
7-2116-5							NONE DETECTED
		Color: BRI	JWH.				
Analyzed By: Ye	elena Peysakhova						
	AUTO CLAVE ROOM CEILWG PLASTER	GRAY - HARD CONCRETE	PLM		100% Mineral Filler		
7-2116 -S							NONE DETECTED
	alana Paysiakhovs	Color, BRI	NAYO				





BULK SAMPLE ANALYSIS REPORT

NEW YORK CITY - DEP 59-17 JUNCTION BOULEVARD, 11TH FLOOR FLUSHING, NEW YORK 11373-5108 PHONE (718) 505-4384 FAY (718) 505 4387

Tamina minika nyinga Manamatan di Managa

NICHE FILE: 06-5512-0 **ASBESTOS TASK FORCE**

4	INGOIAE (LIC) DOD-	יטטאייטטייןטוייז, ודטטו		Page 1 of 1
	CONTRACT#	ASB9-00	COMP #	BWSU-2006-54E
	PROJECT NAME	Kensico Lab	CONTRACT REG. #	CTC 826 20050031206
₩. •1 •4,	LOCATION	West Roof - Front Entrance/ Canopies	DEP INSPECTOR	Dieter Schmidt
- (ADDRESS		DATE SAMPLED	08-25-06
		Valhalla; NY	DATE RECEIVED	08-27-06
ۇرىدى رەسەت	i in a superior and the superior of the superi	The second secon	DATE ANALYZED	08-29-08

Sample No.	Type Of Material	Appearance	Sample Location	Astretos Content And Percent	Non-Asbertos Fiber Content And Percent
08210802 01E	Drain Tar	Black	West Roof	16.7% Chrysotile	ND
08210602 02E	Vent Pipe	Black	West Roof	13.8% Chrysotlie	ND
08210802 03E	Membrane Sealant	Black	West Roof	IND	ND
08210802 04E	Felt-Cloth Layer	Black	West Roof	IND	ND
08210602 05E	Drain Tar	Black	West Roof	15.0% Chrysotile	ND
08210602 06E	Vent Pipe Tar	Black	West Roof	11.7% Chrysotile	ND
0821060210E	Membrane Tar	Black	Front Door/ Canopy	IND	ND
0821060211E	Membrane Tar	Black	Front Door/ Canopy	IND	ND
08210602 12E	Membrane Tar	Black	Front Door/ Canopy	IND	ND
0821080213E	Membrane Tar	Black	Front Door/ Canopy	10.6% Chrysotile	D

Lab ID: 08004472 to 08004481

regions and geometrical by the New York case represents or many or to upon a recommend or recommend to recommend to the commendation of the commen

	2.29		
	MELGES TO ALLESS AND MAN		
. 1	SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM I/S)	1
٠.	10 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1 1		1
	14 19100 OF SAMPLE	ALL DESIGN FOR LAND WITH BUILD AND AND ALL LAND AND AND ALL LAND AND ALL LAND AND AND AND AND AND AND AND ALL LAND AND AND AND AND AND AND AND AND AND	1
		ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "IN: I NOT FOR THE DETERMINATION OF ADDESTOS IN	1
	PREPARATION & ANALYSIS	BULK BUILDING MATERIALS" USEPA 600M-63/116. ##Y (SKI) (EPA 600MABS/D2D)	1
	- A Complete Complete Land Complete Com	- and some process in the property of the state of the st	1
			1
:3	INSTRUMENT.	OLYMPUS POLARIZED LICHT MICROSCOPY, MODEL BH-2	1
	HER TRUMENT.	ULYMPUS POLARIZED LICHT NICROSCOPY, MODEL BH-2	

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED* ELAP# 11236

> **BING LIANG** Laboratory Director

Approved Signatory

10 FISKE PLACE, SUITE 517 . MOUNT VERNON . NY 10550

TEL: (914) 663-8937 - FAX: (914) 663-8782

-TON NO





BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-4791-0

HUDSON RIVER PUMPING STATION

P.O. BOX 9

CHELSEA, NY 12512

PHONE: (845) 831-6130; FAX: (845) 831-3601

NEW YORK CITY - DEP 59-17 JUNCTION BOULEVARD, 11TH FLOOR FLUSHING, NEW YORK 11373-5108 PHONE: (718) 595-4384; FAX: (718) 595-4387

	Kensico Lab	COMP#	BWSU2006-08E
PROJECT NAME	Dieter Schmidt	CONTRACT#	A\$B9-00
DEP INSPECTOR	Chemical Lab	CONTRACT REG.#	CTC 82820050031208
LOCATION	Columus Avenue	DATE COLLECTED	22.22.22
PROJECT ADDRESS	Valhalla, NY	DATE RECEIVED	02-26-06
C. d'ott ma. s. at lett. see.		DATE ANALYZED	02-27-06

Sample No.	Type Of Material Condition / Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
0222060201E	Ceiling debris/ Brown	Chemical Lab	ND	ND
0222060202E	Ceiling debris/ Brown	Chemical Lab	ND	<1% Cellulose

Note 1: The belance of sech entrole is non-librous particulates. Please contact us promptly if you have any question about hosts trautiles. Analysis was performed by using "Pohi Count Technique" as required and recommended by the Now York State Department of Health and USEPA knorth Method for "dentification of Ashbastas Fithers in this Samples." This report must not be used by the client to require the force of the invoice amount. All sample were collected by the client of the provided by the client. This report relates only to the plant fiscal NICHE's liability not to exceed the invoice amount. All sample were collected by the client of the provided by the client. Potentiard light interaction is not consistently reliable in detecting ashbastos in floor covarings and eliable organization was provided by the client.

Potentiard light interacting in and consistently reliable in detecting ashbastos in floor covarings and eliable consistently bound meterials. (Annitiative transmission clinera microscopy is currently the north method that can be used to determine if the material can be considered or treated as not assistantly.

Note 2: NOB samples were prepared in accordance with ELAP 198.4, by NICHE's sub-int, Farth Research Laboratories, ELC, on ELAP approved lab (ELAP # \$1010).

· · · · · · · · · · · · · · · · · · ·	POLARIZED LIGHT MICHOGOOPY - DISPERSION STANING (PLM-DS)
Gridal Ed Friday Co.	CAMEN OF AMERICAN PROPERTY AND ANALYZED IN ACCOMMANGE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASDECTOS IN
METHOD OF SAMPLE PREPARATION & ANALYSIS:	BULK BUILDING MATERIALS' USEPA 800R-93/116, JULY 1093 (EPA BOUMA(#\$)(\$0))
INSTRUMENT	OLYMPUS POLARIZEO LIGHT MICROSCOPY, MODEL 011-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED CELL = CELLULOSE FIBG = FIBERGLASS

ELAP#: 11236

Bing Liang Laboratory Director



ATC ASSOCIATES INC

104 E. 25th Street, 10th Floor New York, NY 10010 Tel. 212-353-8280 Fax: 212-353-8306

Client: DEP

Sampling Date: 2/13/2008

Date Received: 2/19/2008

Date Analyzed: 2/21/2008

Project: HUDSON RIVER PUMPING STATION

Location: KENSICO LABORATORY / 19 W. LAKE DR., VALHALLA, NY

ATC Batch # 8-282

Methods: EPA 600/M4-82-020

BPA 600/R-93/116

ELAP 198.1, 198.6 and 198.4

Project# BWS-U2008-13E

Bulk Asbestos Analysis Results

				Non-/	<u>4sbestos</u>	<u>NOB</u>	Asbestos
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Туре	% Туре
02130802-01E	ATTIC - INSIDE HVAC UNIT	INSULATION LINER (FIBERGLASS)	PLM	100% FiberGlass		,	NONE DETECTED
8-282-1							NONE DETECTED
		Color: Bi	ROWN			-	
• .	relena Peysakhova						·
•	ATTIC - INSIDE HVAC UNIT	INSULATION LINER (FIBERGLASS)	PLM	100% FiberGlass			NONE DETECTED
8-282 -2							110/12 52120100
A I I D \	(-l Deveables	Color: Bi	ROWN				
	/elena Peysakhova					····	
021 30802-03E	ATTIC - INSIDE HVAC UNIT	INSULATION LINER (FIBERGLASS)	PLM	ADDRESS TO A STATE OF THE STATE			
8-282 -3		1 102/100/100/		100% FiberGlass			NONE DETECTED
0-202 -0		Color: Bi	ROWN				
Analyzed By: \	relena Peysakhova	43.5.1. 5.					
· ·	ATTIC - INSIDE HVAC UNIT	BLACK ADHESIVE	PLM, NOB- PLM/TEM			84,7% Organic 3.2% Residue	Trace% Chrysotile
8-282 -4		,				12.1% Carbonate	
		Color: Bi					
Analyzed By: 1	relena Peysakhova	Second Analyst: Mark P	'eysakhov				otal Asbestos: TRACE
02130802-05	ATTIC - INSIDE HVAC UNIT	BLACK ADHESIVE	PLM, NOB- PLM/TEM			88.9% Organic 3% Residue 8.1% Carbonate	NONE DETECTED
8-282 -5						0.176 Calbunate	NONE DETECTED
Analyzed By: \	Yelena Peysakhova	Color: Bi Second Analyst: Mark P					
02130802-06E	ATTIC - INSIDE HVAC UNIT	BLACK ADHESIVE	PLM, NOB- PLM/TEM			89.6% Organic 2.1% Residue	
8-282 -6						8.3% Carbonate	Trace% Anthophylite
		Color: 81					
Analyzed By: \	relena Peysakhova	Second Analyst: Mark P	'eysakhov		····		otal Asbestos: TRACE
02130802-07E	ATTIC - INSIDE HVAC UNIT	GASKET AT TOP SEAM	PLM, NOB- PLM/TEM			92.7% Organic 3.1% Residue	1.4% Chrysotile
8-282 -7			,		*	2.8% Carbonate	Trace% Anthophyllite
	/elena Peysakhova	Color: Bl Second Analyst: Mark P		<u> </u>			Total Asbestos: 1.4 %



ATC ASSOCIATES INC

New York, NY 10010 Tel. 212-353-8280 Fax: 212-353-8306

				<u>No</u>	<u>Non-Asbestos</u>		<u>Asbestos</u>
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Type	% Type
2130802-08E	ATTIC - INSIDE HVAC UNIT	GASKET AT TOP SEAM	PLM, NOB-			89.4% Organic	0.2% Chrysotile
J-282 -8		•	PLM/TEM			3.6% Residue 6.8% Carbonate	Trace% Anthophylli
r-202 •0		Color: BLA	.CK				
Analyzed By: Y	elena Peysakhova	Second Analyst: Mark Pey	ysakhov			-	Total Asbestos: 0.2 %
2130802-09E	ATTIC - INSIDE HVAC UNIT	GASKET AT TOP SEAM	PLM, NOB- PLM/TEM			75.3% Organic 1.5% Residue	0.2% Chrysotile
3-282 -9			PLW/ ICIVI			23% Carbonate	Trace% Anthophylli
		Color: BLA					
	elena Peysakhova	Second Analyst: Mark Pey				05 804 6	Total Asbestos: 0.2 9
12130802-10E	ATTIC - HVAÇ DUCT .	RESIDUAL TAR COVERING	PLM, NOB- PLM			65.6% Organic 8.3% Residue	12.5% Chrysotlle
3-282-10						13.6% Carbonale	
taskwad Din V	alana Daumakhaya	Color: BLA Second Analyst: Milana G			*		Y-4-1 4-1
	elena Peysakhova ATTIC - HVAC DUCT	RESIDUAL TAR COVERING	PLM, NOB-			60.3% Organic	Total Asbestos: 12.5 9 17.7% Chrysotile
12130802-11E	ATTIC-HVACDOCI	KESIDOAL IAN COTENING	PLM, NOD- PLM			11.8% Residue	
3-282 -11						10.2% Carbonate	
Analyzed By: Y	elena Peysakhova	Color: BLA: Second Analyst; Milana G					Total Asbestos: 17.7 %
	ATTIC - HVAC DUCT	RESIDUAL TAR COVERING	PLM, NOB-	. ,		60.5% Organic	14.8% Chrysotile
			PLM		•	9.9% Residue 14.8% Carbonate	
1-282 -12		Color: BLA	r.			14.0% Cuibonato	
Analyzed By: Y	elena Peysakhova	Second Analyst: Milana G					Total Asbestos: 14.8 %
2130802-13E	AUTOCLAVE RM.	CERAMIC PANELS	PLM		100% Mineral Filler		
3-282-13		•					NONE DETECTED
7202 -10		Color: TAN					
	elena Peysakhova						
2130802-14E	AUTOCLAVE RM.	CERAMIC PANELS	PLM		100% Mineral Filler		
3-282 -14							NONE DETECTED
	ata a a Danisal tana	Color: TAN					4
	elena Peysakhova	OF DAMIC DANFI C	DIAG		100% Mineral Filler		
2130802-15E	AUTOCLAVE RM.	CERAMIC PANELS	PLM		100% Wisheral File		
-282 -15							NONE DETECTED
nalvzed Av [.] Y	elena Peysakhova	Color: TAN					
· ·	MAIN FLOOR - ENTRY	TERRAZZO FLOOR	PLM		100% Mineral Filler		
- 10400E-14F	FOYER	_,	r =====				NONE DETECTED
-282 -16		D-12- 11/74	D1 I/			-	HONE DE IEUTED
Inalyzed By: Y	elena Peysakhova	Color: WT/6	JLK.				
	MAIN FLOOR - ENTRY	TERRAZZO FLOOR	PLM	,	100% Mineral Filler		***************************************
-282 -17	FOYER	······································					NONE DETECTED
-202-11		Color: WT/	BLK				
nalyzed By: Y	elena Peysakhova						
	- 4 D						Page 2 of :
ероп Ргераг	ed By: Inna Kipen						a age z oj



ATC ASSOCIATES INC 104 E. 25th Street, 10th Floor New York, NY 10010 Tel. 212-353-8280 Fax: 212-353-8306

02130802-18E MAIN FLOOR - ENTRY TERRAZZO FLOOR PLM 100% Mineral Filler 8-282-18 Color: WT/BLK Analyzed By: Yelena Peysakhova					<u>No</u>	n-Asbestos	<u>NOB</u>	Asbestos
FOYER Color: WT/BLK NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results, 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbasios point counter over 400 non-empty points. 3) Asbasics Containing Metarial (ACM) Desiration: 1% asbasics by weight is considered an ACM 4) Desilation: This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality conicol data is available upon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Confidentiality Notics: The document(s) contained hardin are confidential and privileged information, inlanded for the exclusive use of the individual or entity named above. 7) Lisbility Notice; The document(s) contained hardin are confidential and privileged information, inlanded for the exclusive use of the individual or entity named above. 7) Lisbility Notice; The document(s) contained hardin are confidential and privileged information, inlanded for the exclusive use of the individual or entity named above. 7) Lisbility Notice; The document(s) contained hardin are confidential and privileged information, inlanded for the exclusive use of the individual or entity named above. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 8) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the test results meet all requirements of NELAC. 11) Supplement to test report batch # Amendment Deses: 12) PLM Letter is alteched to this report. 13) TRACE = LESS THAN LIMIT OF GUANTITATION (<0.25%) Approved by Laboratory Director: Milana Oranovsky	Sample #	Location	Type of Material	Method	% Flbrous	% Non-Flbrous	% Туре	% Type
Analyzed By: Yelena Peysakhova NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbasios point counter over 400 non-empty points. 3) Asbasios Containing Melarial (ACM) Delimition: > 1% asbasios by weight is considered an ACM 4) Disclaimer: The tetoratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be used to dain product endorsement by NVLP or any other agency of the U.S. Government. This report refelses only to the samples reported above. Quality control data is available upon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Contidentially Notice: The document(s) contained hareful are contidential and privileged information, intended for the exclusive use of the Individual or entity named above. 7) Lisbility Notice: ATC Associates inc. and its personnel shall not be listed for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitted and analyzed. 8) When the results display more than three displic, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. Arrendments: Arrendments of NELAC. 11) Supplement to last report betch # Arrendments Arrendment	02130802-18E		TERRAZZO FLOOR	PLM		100% Mineral Filler		
Color: WT/BLK NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the first of quantitation of 0.25% is based on one asbasios point counter over 400 non-empty points. 3) Asbasics Containing Meterial (ACM) Delinitation: > 1% asbasios by weight is considered an ACM 4) Disclaimer: The statoratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data is available upon request. 5) Accordited by NVLAP #101187-0 and by NY State ELAP #10879 6) Continentiality Notice: The document(s) contained herein are contilidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Lisbility Notice: ATC Associates inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitted and analyzed. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the test results meet all requirements of NELAC. 11) Supplement to last report batch # Amendments: Amendment Dates: 12) PLM Letter is altached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION (-0.25%) Yelena Peysakhova Milana Granovsky	0 202 40	POTER	•					NONE DETECTED
NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbasios point counter over 400 non-empty points. 3) Asbastos Containing Material (ACM) Delifinition: > 1% asbastos by weight its considered an ACM 4) Disclariner. The laboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be resproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to dain product endorsement by NVLAP are any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data is available upon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Confidentiality Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Lability Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was ecceptable upon receipt. 10) The laboratory certifies that the test results meet all requirements of NELAC. 11) Supplement to test report batch # Amendment Detes: 12) PLM Letter is attached to this report. Analyzed by: Yelena Peysakhova Milena Bonezzi Approved by Laboratory Director: Milana Gramovsky	0-202 - 10		Color V	VT/RI K				
1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbesios point counter over 400 non-empty points. 3) Asbestos Containing Meterial (ACM) Delifition: > 1% asbestos by weight is considered an ACM 4) Disclaims: The latoratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data is evaluable upon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Contidentiality Notice: The document(s) contained herein are contidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Liability Notice: ATC Associates Inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitted and analyzed. 8) When the results display more than three digits, only the first times are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the test results meet all requirements of NELAC. 11) Supplement to test report batch # Amendments: Amendment Deles: 12) PLM Latter is altached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION (<0.25%) Yelena Peysakhova Analyzed by: Milana Granovsky	Analyzed By: Y	elena Peysakhova	30077					
2) Reporting Limit - For point counts the limit of quantitelion of 0.25% is based on one asbesios point counter over 400 non-empty points. 3) Asbestos Containing Meterial (ACM) Delifinition: > 1% asbestos by weight is considered an ACM 4) Distalamer. The staboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be reproduced, except in full, without written approval by ATC Associates Inc. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data is available upon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Confidentiality Notice: The document(s) contained herein are confidential and privileged information, inlanded for the exclusive use of the individual or entity named above. 7) Liability Notice: ATC Associates Inc. and its personnel shell not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitted and analyzed. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the test results meet all requirements of NELAC. 11) Supplement to test report batch # Amendments: Amendment Dates: 12) PLM Letter is attached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION <-0.25%) Yelena Peysakhova Analyzed by: Approved by Laboratory Director:	NOTES:							
3) Asbestos Containing Meterial (ACM) Delifinition: > 1% asbestos by weight is considered an ACM 4) Discitairer: The teboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data is available upon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Confidentiality Notice: The document(s) contained herein are confidential and privileged information, inlended for the exclusive use of the individual or entity named above. 7) Liability Notice: ATC Associates inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitted and analyzed. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the test results meet all requirements of NELAC. 11) Supplement to test report batch # Amendments: Amendment Dates: 12) PLM Letter is altached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION (<0.25%) Yelena Peysakhova Milana Granovsky Milana Granovsky	1) LOD is the	same as the Reporting Limit (I	.lmit of Quantitation) for these res	sults,				
4) Disclatmer: The teboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data is available upon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Confidentiality Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Liability Notice: ATC Associates Inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitted and analyzed. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the test results meet all requirements of NELAC. 11) Supplement to test report batch # Amendments Amendment Dates: 12) PLM Letter is altached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION (<0.25%) Yelena Peysakhova Analyzed by: Milana Granovsky	2) Reporting L	imit - For point counts the lim	It of quantitation of 0.25% is base	d on one asbesios po	int counter over 400 no	n-empty points.		
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Yelena Peysakhova Milena Bonezzi Approved by Laboratory Director: Milana Granovsky	12) PLM Lette	r is allached to this report.						
Analyzed by: Approved by Laboratory Director: Milana Granovsky	13) TRACE =	LESS THAN LIMIT OF QUAN	TITATION (<0.25%)			·		
Milana Granovsky	Yelena Pey	sakhova	,	•		Milena E	Bonezzi	
	Analyzed by						· • • • • • • • • • • • • • • • • • • •	Bonessi
Second Analyst:	Milana Gra	novsky						
	Second Ana	yst:						



ATC ASSOCIATES INC

04 E. 25th Street, 10th Floor New York, NY 10010 Tel. 212-353-8280 Fax: 212-353-8306

Client: DEP

Sampling Date: 10/6/2008

Date Received: 10/6/2008

Date Analyzed: 10/6/2008

Project: KENSICO LAB

2 WEST LAKE DR. NY

ATC Batch # 8-1905

Methods: EPA 600/M4-82-020

EPA 600/R-93/116

ELAP 198.1, 198.6 and 198.4

Location: 2 WEST LAKE DR. NY
Project # 015.22906.5003

Bulk Asbestos Analysis Results

				Non-Asbestos		NOB	Asbestos	
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Type	% Type	
iE	Boiler Room - Main Distribution Panel	Bridge Feeder Insulation	PLM, NOB- PLM/TEM			48.7% Organic 31.4% Residue		
8-1905 -1						19.9% Carbonate	NONE DETECTED	
		Color: Bl		Comments: Homoge	nous to main feeders			
Analyzed By:	Yelena Peysakhova	Second Analyst: Mark P		Comments. Horizgo	noos to main rooters.			
2E	Boiler Room - Main Distribution Panel	Bridge Feeder Insulation	PLM, NOB- PLM/TEM			45% Organic 33.9% Residue 21.1% Carbonate	NONE DETECTED	
8-1905 -2		Cotor: Bi				21.170 Odibolides	NONE DETECTED	
Analyzed By:	: Yelena Peysakhova	Second Analyst: Mark P		Comments:-Homoge	nous to main feeders,			
3E 8-1905 -3	Boiler Room - Main Distribution Panel	Bridge Feeder Insulation	PLM, NOB- PLM/TEM			54.3% Organic 7% Residue 38.7% Carbonate	NONE DETECTED	
	: Yelena Peysakhova	Color: BI Second Analyst: Mark P		Comments: Homoge	nous to main feeders.			
4E 8-1905 -4	Boller Room - Main Distribution Panel	Wire Insulation	PLM, NOB- PLM/TEM			60.6% Organic 32.4% Residue 7% Carbonate	NONE DETECTED	
	: Yelena Peysakhova	Color: 8r Second Analyst: Mark P		Comments: Leads to	conduit m stainwells, exits 1s	t & 2nd.		
5E	Boiler Room - Main Distribution Panel	Wire Insulation	PLM, NOB- PLM/TEM			45.3% Organic 42.1% Residue 12.6% Carbonate	NONE DETECTED	
8-1905 5	e Their of the Friends from a factor as a second of the annial and a complete and an experience of the second purpose.	- control or the street and a control of the street of the	ren Pariaria do Jode del de arred escribir arregionadora	erre ann tha prince that the entire description of the entire that a control of a new fire and the entire that a second s	de Latinatina i distribuita di Santa Antala (1965 de la performa e escribira indicada de desimbolica.	12.076 Carbonale	NONE DETECTED	
Analyzed By:	: Yelena Peysakhova	Color: Bl Second Analyst: Mark P						
6E	Boiler Room - Main Distribution Panel	Wire Insulation	PLM, NOB- PLM/TEM			68.7% Organic 2.7% Residue		
8-1905 -6						28.6% Carbonate	NONE DETECTED	
Analyzed By:	: Yelena Peysakhova	Color: Bi Second Analyst: Mark P		Comments: All other	rubber coated			
7E 8-1905 -7	1st floor - Panel in Hallway	Wire Insulation	PLM, NOB- PLM/TEM			60.3% Organic 4.8% Residue 34.9% Carbonate	NONE DETECTED	
	: Yelena Peysakhova	Color: Bi Second Analyst: Mark P	-	Comments: Labe sto	rage room light.	- no ro output late	None De leu leu	



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Tel. 212-353-8280 Fax: 212-353-8306

				Non-	Non-Ashestos		Asbestos
Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Туре	% Type
BE	1st floor - Panel in Hallway	Wire Insulation	PLM, NOB- PLM/TEM			53% Organic 5.4% Residue 41.6% Carbonate	NONE DETECTED
3-1905 -8		Out - Ou	nate.			TILUR VAIDUIIAR	HONE DETECTED
nalyzed By:	Yelena Peysakhova	Color: Bla Second Analyst: Mark Po		Comments: Crawlspac	e		
E	1st floor - Panel in Hallway	Wire Insulation	PLM, NOB- PLM/TEM			54.8% Organic 13.4% Residue 31.8% Carbonate	NONE DETECTED
3-1905 -9		Color: Bla				01.0% Calbollate	NONE DETECTED
Analyzed By:	Yelena Peysakhova	Second Analyst: Mark P		Comments: Boiler roor	m light.		
IOE	1st floor - Panel in Hallway	Wire Insulation	PLM, NOB- PLM/TEM			52.9% Organic 13.4% Residue 33.7% Carbonate	NONE DETECTED
8-1905 -10						33.7% Carbonate	NONE DETECTED
Analyzed By:	Yelena Peysakhova	Cofor: Bli Second Analyst: Mark P		. Comments: Neutral			
11E	1st floor - Panel in Hallway	Main Panel Feed Insulation	PLM, NOB- PLM/TEM		5 T	58.5% Organic 5% Residue 36.5% Carbonate	NONE DETECTED
8-1905 -11		Color: Bl	ack	_			
Analyzed By:	Yelena Peysakhova	Second Analyst: Mark P		Comments: Blue			
12E	1st floor - Panel in Hallway	Main Panel Feed Insulation	PLM, NOB- PLM/TEM			59.5% Organic 5.6% Residue	NONE DETECTE
8-1905 -12		Color: BI	nal.	And the second s	THE CONTROL OF THE PROPERTY OF	34.9%-Carbonate	-NONE DETECTE
Analyzed By:	Yelena Peysakhova	Second Analyst Mark P		Comments: Red			
13E	1st floor - Panel in Hallway	Main Panel Feed Insulation	PLM, NOB- PLM/TEM			60.8% Organic 2.6% Residue	NOUS DETECTES
8-1905 -13		0.4. 0				36.6% Carbonate	NONE DETECTED
Analyzed By:	Yelena Peysakhova	Color: Bi Second Analyst: Mark P		Comments: Neutral			
14E	Atlic - Air Conditioner Panel	Main Panel Feed Insulation	PLM, NOB-			46.2% Organic	
8-1905 -14			PLM/TEM			34.7% Residue 19.1% Carbonate	NONE DETECTED
J-1300 -14		Color: BI	ack	22 0 220 2			
Analyzed By:	: Yelena Peysakhova	Second Analyst: Mark P	eysakhov	Comments: Black			
15E	Attic - Air Conditioner Panel	Main Panel Feed Insulation	PLM, NOB- PLM/TEM	ere a desirative parconitar per l'ora, reprincient pien, rustatives purchien un desirative.		47.6%-Organic 37% Residue	Control of the Contro
8-1905 -15			LUNITEIN			15.4% Carbonate	NONE DETECTED
		Color: Bt		Comments: Black			
	: Yelena Peysakhova	Second Analyst: Mark P		Commente, Clark			
16E 8-1905 -16	Attic - Air Conditioner Panel	Main Panel Feed Insulation	PLM, NOB- PLM/TEM			48.6% Organic 32.6% Residue 18.8% Carbonate	NONE DETECTED
0-1300 -10		Color: Bl	ack				
Analyzed By:	: Yelena Peysakhova	Second Analyst: Mark P		Comments: Black			
17E	Altic - Air Conditioner Panel	Wire Insulation	PLM, NOB- PLM/TEM			96.4% Organic 2.7% Residue	NONE DETECTE
8-1905 -17		Color: BI	ank			0.9% Carbonate	NONE DETECTED
	Yelena Peysakhova	Second Analyst: Mark P		Comments: Red			



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18E Attic - Air Conditioner Panel Wire Insulation PLM, NOB-PLM/TEM 26.8% Organic 11% Residue 62.2% Carbonate NONE D Color: Black					Non-	Asbestos	NOB	Asbestos	
PLMTEM 8-1305-18 Color: Black Convenents: Black 19E 4h fir - Air Conditioner Panel Wire Insulation PLM, NOB-PLMTEM 20.8% Residue 19.2% Carbonate 20.6% Residue 19.2% Carbonate 19.2% Carbonate 19.2% Carbonate 20.6% Residue 19.2% Residue 19.2% Residue 19.2% Residue 19.2% Resi	Sample #	Location	Type of Material	Method	% Fibrous	% Non-Fibrous	% Type	% Type	
Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Black 19E 4h fit - Air Conditioner Panel Wire Insulation PLM, NOB-PLM/TEM 20.8% Residue 19.2% Carbonate 20.8% Residue 19.2% Carbonate 20.8% Residue 19.2% Carbonate 20.8% Residue 19.9% Residue 32.7% Carbonate 20.8% Residue 32.7% Carbonate 20.8% Residue 32.7% Carbonate 20.8% Residue 32.7% Carbonate 20.8% Residue 32.7% Carbonate 20.9% Residue 3	18E	Affic - Air Conditioner Panel	Wire Insulation				11% Residue	NONE DETECTED	
Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Black ### Institution Plan Wire Insulation PLM, NOB-PLM/TEM 20.8% Residue 19.2% Carbonate NONE D. 20.8% Residue 10.9% R	8-1905 -18						62.2% Galbunate	NONE DETECTED	
PLM/TEM 19.2% Carbonate NONE Correlator 19.2% Carbonate None Carbonate None Correlator 19.2% Carbonate None Carbo	Analyzed By:	Yelena Peysakhova			Comments: Black				
Coior: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Neutral DELIGNTEM Second Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Leads to florescent light. Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Leads to florescent light. NONE C Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Leads to florescent light. NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbestos point counter over 400 non-empty points. 3) Asbestos Containing Material (ACM) Definition: > 1% sebestos by weight is considered an ACM 4) Disclaimer. The laboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be reproduced, except in full, without written approval by ATC Associates This report and produce endocrament by NVLAP are any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control deta is a consequent. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #1093? 6) Confidentially Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Liability Notice: AC Associates inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitt analyzed. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the lest results meet all requirements of NELAC. 11) Supplement to test report batch # Amendments: Amendm	19E	4th fir - Air Conditioner Panel	Wire Insulation				20.8% Residue	NONE DETECTED	
Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov PLM, NOB-PLM/TEM Second Analyst: Mark Peysakhov Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Leads to florescent light. NONE C Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Leads to florescent light. NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbestos point counter over 400 non-empty points. 3) Asbestos Containing Material (And) Definition: 51% asbestos by weight is considered an ACM 4) Disclaimer: The laboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be reproduced, except in full, without written approval by ATC Associates. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Confidentially Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Liability Notice: Associates inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submittianalyzed. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the lest results meet all requirements of NELAC. 11) Supplement to lest report batch # Amendments: Amendment Dates: 12) PLM Letter is attached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION (<0.25%) Approved by Laboratory Director:	8-1905 -19						13.2% Calbonate	NONE DETECTED	
PLM/TEM 10.99% Residue 32.7% Carbonate NONE C Color: Black Analyzed By: Yelena Peysakhova Second Analyst: Mark Peysakhov Comments: Leads to florescent light. NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbestos point counter over 400 non-empty points. 3) Asbestos Containing Material (ACM) Delifinition: > 1% asbestos by weight is considered an ACM. 4) Disclaimer. The laboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be reproduced, except in full, without written approval by ATC Associates This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Covernment. This report relates only to the samples reported above. Quality control data is a spon request. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10579 6) Confidentiality Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Liability Notice: ATC Associates inc. and its personnel shall not be flable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitt analyzed. 8) When the results display more than three digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the lest results meet all requirements of NELAC. 11) Supplement to test report batch # Amendments: Amendment Dates: 12) PLM teller is attached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION (<0.25%) Yelena Peysakhova Analyzed by: Approved by Laboratory Director:	Analyzed By:	Yelena Peysakhova			Comments: Neutral				
Analyzed By: Yelena Peysakhova Second Analyst Mark Peysakhov Comments: Leads to florescent light. NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbestos point counter over 400 non-empty points. 3) Asbestos Containing Material (ACM) Definition: > 1% asbestos by weight is considered an ACM 4) Disclaimer: The laboratory is not responsible for sample collection. Please refer to enclosed elter. This report may not be reproduced, except in full, without written approval by ATC Associates This report may not be reproduced, except in full, without written approval by ATC Associates This report may not be reproduced, except in full, without written approval by ATC Associates This report may not be reproduced, except in full, without written approval by ATC Associates only to the samples reported above. Quality control data is a control of the U.S. Government. This report relates only to the samples reported above. Quality control data is a control of the U.S. Government. This report relates only to the samples reported above. Quality control data is a control of the U.S. Government. This report relates only to the samples reported above. Quality control data is a control of the U.S. Government. This report relates only to the samples reported above. Quality control data is a control of the U.S. Government. This report relates only to the samples reported above. Quality control data is a control of the U.S. Government. This report relates only to the samples reported above. Quality control data is a control of the U.S. Government. This report relates only to the samples report relates only to the understance of the U.S. Government. This report relates only to the samples reported above. Quality control data is a control of the U.S. Government. Thi		Light Switch in Main Lab	Wire Insulation				10.9% Residue	NONE DETECTED	
NOTES: 1) LOD is the same as the Reporting Limit (Limit of Quantitation) for these results. 2) Reporting Limit - For point counts the limit of quantitation of 0.25% is based on one asbestos point counter over 400 non-empty points. 3) Asbestos Containing Material (ACM) Definition: > 1% sebestos by weight is considered an ACM. 4) Disclaimer. The laboratory is not responsible for sample collection. Please refer to enclosed letter. This report may not be used to claim product endorsement by NVLAP or any other agency of the U.S. Government. This report relates only to the samples reported above. Quality control data is a currenguest. 5) Accredited by NVLAP #101187-0 and by NY State ELAP #10879 6) Confidentiality Notice: The document(s) contained herein are confidential and privileged information, intended for the exclusive use of the individual or entity named above. 7) Liability Notice: ATC Associates inc. and its personnel shall not be liable for any misinformation provided to us by the client regarding these samples. This report relates only to samples submitt analyzed. 8) When the results display more than litree digits, only the first three are significant. The data within this report is reliable to 3 significant figures. 9) The condition of all samples was acceptable upon receipt. 10) The laboratory certifies that the lest results meet all requirements of NELAC. 11) Supplement to test report batch # Amendments: Amendments: Amendment Dates: 12) PLM Letter is attached to this report. 13) TRACE = LESS THAN LIMIT OF QUANTITATION (<0.25%) Yelena Peysakhova Milena Bonezzi Approved by Laboratory Director:		: Yelena Pevsakhova			Comments: Leads to t	forescent light.			
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Analyzed by: Approved by Laboratory Director:								Hammer J. B. W. W. B. T. W. W. L. W.	
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BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0 ASBESTOS TASK FORCE

NEW YORK CITY - DEP 59-17 JUNCTION BOULVARD, 11TH FLOOR

FLUSHING, NEW YORK 11373-5108

PHONE: (718) 595-4384; FAX: (718) 595-4387

Page 1 of 8

COMP. #	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT	19 Westlake Drive	DATE SAMPLED	11-01-06
ADDRESS	Vaihalla, NY	DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
7	Duct Vibration	Dark Brown	Attic/ Main Air Handler	ND	98% Cellulose
8	Duct Vibration	Black	Attic/ Fan #1	ND	ND
9	Duct Vibration	Dark Brown	Attic/ Fan #2	ND	95% Cellulose
10	Duct Vibration	Dark Brown	Attic/ Fan #2	ND	95% Cellulose
11	Duct Vibration	Dark Brown	Attic/ Fan #3	ND	97% Cellulose
12	2x4 Ceiling Tile	Brown	2nd Floor/ Lunch Room/ Southeast Corner	ND	90% Cellulose
13	2x4 Ceiling Tile	Brown	2nd Floor/ Lunch Room/ Southwest Corner	ND	95% Cellulose
14	2x4 Ceiling Tile	Brown	2nd Floor/ Lunch Room/ Southwest Corner	ND	40% Cellulose

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items fisted. NICHE's liability not to exceed the invoice amount. All sample were collect tedby client, sample location was provided by the client.

*Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organially bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: NOB samples were prepared in accordance with ELAP 198.6, by NICHE's sub-lab, Earth Research Labs, Inc. an ELAP approved lab (ELAP # 11818).

SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED*

CELL = CELLULSOE; FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG
Laboratory Director

Approved Signatory

TEL: (914) 663-8937 - FAX: (914) 663-8782



BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0

ASBESTOS TASK FORCE

NEW YORK CITY - DEP

59-17 JUNCTION BOULVARD, 11TH FLOOR

FLUSHING, NEW YORK 11373-5108

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Page 2 of 8

COMP. #	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT	19 Westlake Drive	DATE SAMPLED	11-01-06
ADDRESS	Valhalla, NY	DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
15A	Ceiling Plaster (White Coat)	White	2nd Floor/ Lunch Room/ East Side/ Southeast Corner	ND	ND
15B	Ceiling Plaster (Brown Coat)	Gray	2nd Floor/ Lunch Room/ East Side/ Southeast Corner	ND	3% Cellulose
16A	Ceiling Plaster (White Coat)	White	2nd Floor/ Lunch Room/ West Side/ Southwest Corner	ND	ND
16B	Ceiling Plaster (Brown Coat)	Gray	2nd Floor/ Lunch Room/ West Side/ Southwest Corner	ND	2% Cellulose
17A	Ceiling Plaster (White Coat)	White	2nd Floor/ Lunch Room/ West Side/ Southwest Corner	ND	ND
17B	Ceiling Plaster (Brown Coat)	Gray	2nd Floor/ Lunch Room/ West Side/ Southwest Corner	ND	2% Cellulose

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. NICHE's liability not to exceed the invoice amount. All sample were collect tedby client, sample location was provided by the client.

*Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organially bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: NOB samples were prepared in accordance with ELAP 198.6, by NICHE's sub-lab, Earth Research Labs, Inc. an ELAP approved lab (ELAP # 11818).

SAMPLE ANALYSIS BY:

POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)

METHOD OF SAMPLE
PREPARATION & ANALYSIS:

INSTRUMENT:

POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)

ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASSESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)

INSTRUMENT:

OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED*

CELL = CELLULSOE: FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG

Laboratory Director



BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0

ASBESTOS TASK FORCE

NEW YORK CITY - DEP 59-17 JUNCTION BOULVARD, 11TH FLOOR

FLUSHING, NEW YORK 11373-5108

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Page 3 of 8

COMP. #	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT ADDRESS	19 Westlake Drive	DATE SAMPLED	11-01-06
	Valhalla, NY	DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
18	2x4 Ceiling Tile	Brown	2nd Floor/ Library-Conference Room/ Northeast Corner	ND	70% Cellulose 20% Fiberglass
19	2x4 Ceiling Tile	White-Gray	2nd Floor/ Library-Conference Room/ Southwest Corner	ND	75% Cellulose 15% Fiberglass
20	2x4 Ceiling Tile	White-Gray	2nd Floor/ Library-Conference Room/ Southwest Corner	ND	70% Cellulose 20% Fiberglass
21A	Ceiling Plaster (White Coat)	White	2nd Floor/ Library-Conference Room/ Southwest Corner	ND	ND
21B	Ceiling Plaster (Brown Coat)	Gray	2nd Floor/ Library-Conference Room/ Southwest Corner	ND	1% Cellulose
22A	Ceiling Plaster (White Coat)	White	2nd Floor/ Library-Conference Room/ Southwest Corner	ND	ND
22B	Ceiling Plaster (Brown Coat)	Gray	2nd Floor/ Library-Conference Room/ Southwest Corner	ND	22% Cellulose

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. NICHE's liability not to exceed the invoice amount. All sample were collectedby client, sample location was provided by the client.

Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organially bound materials. Quantitative transmission electron microscopy is

currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing

Note 2. NOB samples were prepared in accordance with ELAP 198.6, by NICHE's sub-lab, Earth Research Labs, Inc. an ELAP approved lab (ELAP # 11818)

SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED*

CELL = CELLULSOE; FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG Laboratory Director



BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0

ASBESTOS TASK FORCE

NEW YORK CITY - DEP

59-17 JUNCTION BOULVARD, 11TH FLOOR FLUSHING, NEW YORK 11373-5108

PHONE: (718) 595-4384; FAX: (718) 595-4387

Page 4 of 8

COMP.#	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT	19 Westlake Drive Valhalla, NY	DATE SAMPLED	11-01-06
ADDRESS		DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
23A	Ceiling Plaster (White Coat)	White	2nd Floor/ Library-Conference Room/ Northeast Corner	ND	ND
23B	Ceiling Plaster (Brown Coat)	Gray	2nd Floor/ Library-Conference Room/ Northeast Corner	ND	2% Cellulose
24	Beam Coat (Plaster)	White	1st Floor/ Auto Clave Room/ Northeast Corner	ND	ND
25	9x9 Ceiling Tile	Yellow	1st Floor/ Auto Clave Room/ Northeast Corner	ND	95% Fiberglass
26	9x9 Ceiling Tile	Yellow	1st Floor/ Auto Clave Room/ Northeast Corner	ND	95% Fiberglass
27	9x9 Ceiling Tile	Yellow	1st Floor/ Auto Clave Room/ Northeast Corner/ Duct Wall	ND	90% Fiberglass

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. NICHE's liability not to exceed the invoice amount. All sample were collected by client, sample location was provided by the client.

*Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organially bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: NOB samples were prepared in accordance with ELAP 198.6, by NICHE's sub-lab, Earth Research Labs, Inc. an ELAP approved tab (ELAP # 11818).

SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

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CELL = CELLULSOE: FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG

Laboratory Director



BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0

ASBESTOS TASK FORCE

NEW YORK CITY - DEP

59-17 JUNCTION BOULVARD, 11TH FLOOR

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Page 5 of 8

COMP. #	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT	19 Westlake Drive	DATE SAMPLED	11-01-06
ADDRESS	Valhalla, NY	DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance ,	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
28	Duct Mesh Plaster	Brown	1st Floor/ Auto Clave Room/ Northeast Corner/ Duct Wall	ND	ND
29	Duct Mesh Plaster	Brown	1st Floor/ Auto Clave Room/ Northeast Corner/ Duct Wall	ND	1% Cellulose
30B	Duct Insulation	Yellow	1st Floor/ Auto Clave Room/ Northeast Corner/ Duct East	ND	95% Fiberglass
31B	Duct Insulation	Yellow	1st Floor/ Auto Clave Room/ Northeast Corner/ Duct East	ND	95% Fiberglass
35A	Wall Plaster (White Coat)	White	1st Floor/ Auto Clave Room/ South/ Middle Area/ Upper	ND	ND
35B	Wall Plaster (Brown Coat)	Gray	1st Floor/ Auto Clave Room/ South/ Middle Area/ Upper	ND	ND

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. NICHE's liability not to exceed the invoice amount. All sample were collect edby client, sample location was provided by the client.

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Note 2: Note samples were prepared in accordance with ELAP 198.6 by NICHE* sub-lab. Faith Research Labs. Inc. on ELAP approved lab (ELAP # 11818).

tote 2. HOD samples were prepared in accordance with ELM 100.0, by Miorite's sub-lab, Earli Nesseal on Eabs, Mic. an ELDM approved lab (ELEM # 11010).						
SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)					
METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)					
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2					

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED*

CELL = CELLULSOE; FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG

Laboratory Director



BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0

ASBESTOS TASK FORCE

NEW YORK CITY - DEP

59-17 JUNCTION BOULVARD, 11TH FLOOR

FLUSHING, NEW YORK 11373-5108

PHONE: (718) 595-4384; FAX: (718) 595-4387

Page 6 of 8

COMP.#	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT	19 Westlake Drive	DATE SAMPLED	11-01-06
ADDRESS	Valhalla, NY	DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
36A	Wall Plaster (White Coat)	White	1st Floor/ Auto Clave Room/ South/ Middle Area/ Upper	ND	ND
36B	Wall Plaster (Brown Coat)	Gray	1st Floor/ Auto Clave Room/ South/ Middle Area/ Upper	ND	ND
37A	Wall Plaster (White Coat)	White	1st Floor/ Auto Clave Room/ Northwest Corner/ Upper Area	ND	ND
37B	Wall Plaster (Brown Coat)	Gray	1st Floor/ Auto Clave Room/ Northwest Corner/ Upper Area	ND	ND
38	Ceramic Brick	Pale Green- Cream	1st Floor/ Auto Clave Room/ South Wall/ Upper Area	ND	ND
39	Ceramic Brick	Pale Green- Cream	1st Floor/ Auto Clave Room/ South Wall/ Upper Area	ND	ND
40	Ceramic Brick	Pale Green- Cream	1st Floor/ Auto Clave Room/ South Wall/ Upper Area	ND	ND

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. NICHE's liability not to exceed the invoice amount. All sample were collect ledby client, sample location was provided by the client.

*Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organially bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: NOB samples were prepared in accordance with ELAP 198.6, by NICHE's sub-lab, Earth Research Labs, Inc. an ELAP approved lab (ELAP # 11818)

SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED*

CELL = CELLULSOE; FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG
Laboratory Director

Approved Signatory

TEL: (914) 663-8937 · FAX: (914) 663-8782



BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0 ASBESTOS TASK FORCE

NEW YORK CITY - DEP 59-17 JUNCTION BOULVARD, 11TH FLOOR

FLUSHING, NEW YORK 11373-5108

PHONE: (718) 595-4384; FAX: (718) 595-4387

Page 7 of 8

COMP.#	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT	19 Westlake Drive	DATE SAMPLED	11-01-06
ADDRESS	Valhalla, NY	DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
41	Duct Mesh Plaster	Brown	1st Floor/ Water & Sewer Lab/ West Side/ Duct Wall	ND	<1% Cellulose
42	Duct Mesh Plaster	Brown	1st Floor/ Water & Sewer Lab/ West Side/ Duct Wall	ND	2% Cellulose
43	9x9 Ceiling Tile	Yellow	1st Floor/ Water & Sewer Lab/ West Side/ Middle Area	ND	95% Fiberglass
44B	Duct Insulation	Yellow	1st Floor/ Water & Sewer Lab/ South	ND	90% Fiberglass
45	Duct Insulation Cement	Gray	1st Floor/ Water & Sewer Lab/ South End	ND	ND
46	Duct Insulation Cement	Gray	1st Floor/ Water & Sewer Lab/ South End	ND	ND

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. NICHE's liability not to exceed the invoice amount. All sample were collect tedby client, sample location was provided by the client.

"Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organially bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2: NOB samples were prepared in accordance with ELAP 198.6, by NICHE's sub-lab, Earth Research Labs, Inc. an ELAP approved lab (ELAP # 11818).

SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED*

CELL = CELLULSOE; FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG

Laboratory Director



BULK SAMPLE ANALYSIS REPORT

NICHE FILE: 06-5834-0 ASBESTOS TASK FORCE

NEW YORK CITY - DEP

59-17 JUNCTION BOULVARD, 11TH FLOOR

FLUSHING, NEW YORK 11373-5108

PHONE: (718) 595-4384; FAX: (718) 595-4387

Page 8 of 8

COMP.#	BWSU2006-68E	WORK ORDER LTR. #	ABS9-00-
PROJECT NAME	Kensico Lab	CONTRACT REG. #	826 20050031206
LOCATION	Attic, 2nd Floor, 1st Floor, & Basement	INSPECTOR	Bing Liang
PROJECT	DJECT 19 Westlake Drive DATE SAMPLED		11-01-06
ADDRESS	Valhalla, NY	DATE RECEIVED	11-01-06
		DATE ANALYZED	11-05-06

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent
47	Duct Insulation Cement	Gray	1st Floor/ Water & Sewer Lab/ South End	ND	5% Fiberglass
48	Wall Concrete	Gray	Basement/ Boiler Room/ South Side/ Middle	ND	ND
49	Wall Concrete	Gray	Basement/ Boiler Room/ South Side/ Middle	ND	ND
50	Wall Concrete	Gray	Basement/ Boiler Room/ South Side/ Middle	ND	ND
51	Beam Concrete	Gray	Basement/ Boiler Room/ South Side/ Above Boiler	ND	ND
52	Beam Concrete	Gray	Basement/ Boiler Room/ South Side/ Above Boiler	ND	ND
53	Beam Concrete	Gray	Basement/ Boiler Room/ South Side/ Above Boiler	ND	ND

Note 1: The balance of each sample is non-fibrous particulates. Please contact us promptly if you have any question about these results. Analysis was performed by using "Point Count Technique" as required and recommended by the New York State Department of Health and USEPA Interim Method for "Identification of Asbestos Fibers in Bulk Samples". This report must not be used by the client to claim product endorsement by NVLAP or any agency of the US government. This report relates only to the items listed. NICHE's liability not to exceed the invoice amount. All sample were collect tedby client, sample location was provided by the client.

Polarized light microscopy is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organially bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if the material can be considered or treated as non-asbestos-containing.

Note 2. NOB samples were prepared in accordance with ELAP 198.6, by NICHE's sub-lab, Earth Research Labs, Inc. an ELAP approved lab (ELAP # 11818).

SAMPLE ANALYSIS BY:	POLARIZED LIGHT MICROSCOPY - DISPERSION STAINING (PLM-DS)
METHOD OF SAMPLE PREPARATION & ANALYSIS:	ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE EPA "METHOD FOR THE DETERMINATION OF ASBESTOS IN BULK BUILDING MATERIALS" USEPA 600/R-93/116, JULY 1993 (EPA 600/M4/82/020)
INSTRUMENT:	OLYMPUS POLARIZED LIGHT MICROSCOPY, MODEL BH-2

ND = NONE DETECTED IND = INCONCLUSIVE NONE DETECTED*

CELL = CELLULSOE; FIBG = FIBERGLASS

ELAP#: 11236

BING LIANG
Laboratory Director



KAM CONSULTANTS 35-40 36th Street Long Island City New York, 11106 Tel: (718) 729-1997

Fax: (718) 729-1876

BULK SAMPLE ANALYSIS REPORT

CLIENT: NICHE ANALYSIS, INC. - 10 Fiske Place, Suite 517, Mount Vernon, NY 10550

BUILDING ADDRESS: 19 West Lake Drive, Valhalla, NY

PROJECT#: NYC DEP - KENSICO LAB

Client Sample ID#:	01	02	03	04	05
Lab Sample ID#:	061102G-602	061102G-603	061102G-604	061102G-605	061102G-606
Sample Location:	2nd Floor / Lunch Room / Left Side	2nd Floor / Lunch Room / Left Side	2nd Floor / Lunch Room / Left Side	Attic / Duct Exhaust	Attic / Duct Exhaust
Homogeneity:	Yes	Yes	Yes	Yes	Yes
Sample Description:	S.O. Window Frame Caulking	S.O. Window Frame Caulking	S.O. Window Frame Caulking	Mastic (Glue)	Mastic (Glue)
Color:	Gr	Gr	Gr	Brn	Brn
Texture:	Mixed	Mixed	Mixed	Mixed	Mixed
Sample Treatment:	Acid Digestion & Ashing	Acid Digestion & Ashing	Acid Digestion & Ashing	Acid Digestion & Ashing	Acid Digestion & Ashing
Asbestos Present: (Type & Percent)	3.6%ANTH 1.5%CHR	3%ANTH 1.2%CHR	4.3%ANTH 1.5%CHR	6%CHR	4%CHR
Total Percent Asbestos:	5.1%	4.2%	5.8%	6%	4%
Other Fibr. Mat. (Type & Percent):	0%	0%	0%	0%	0%
Non Fibr. Mat. (Percent):	94.9%	95.8%	94.2%	96%	96%
Date Received: Date of Analysis: Date of Report;	11/2/2006 11/3/2006 11/3/2006	1 ₁ .			
Analyst:		hus	Lab Director:		

* RL = 0.25%, RL = ND

* All PLM-NOB samples with 1% asbestos or less are "Inconclusive".

Roody L

- * TEM is the only method that can verify that an NOB is not an asbestos-containing material.
- * Sample Condition upon receipt: Acceptable
- * Analytical Quality Control Requirements were met for this set of samples.
- * Analysis of samples is performed by Polarized Light Microscopy (PLM) Point Counting Method (EPA 600/M4-82-020) (ELAP 198.6)
- * Analytical equipments: Stereobinocular microscope (MEIJI EMT-Serial # 25930), Polarized Light Microscope (MEIJI ML-POL-Serial # 88034)
- * PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing
- * Samples will be stored for ninety (90) days and then returned to the client upon request
- * The results relate only to the items calibrated or tested.
- * The certificate of report shall not be reproduced without the written approval of the laboratory.
- * The report must not be used by the client to claim endorsement by NVLAP or any agency of the US Government.

NYS-DOH ELAP # 11273

NIST-NVLAP # 102047

AIHA #: 100269

eorge Kouvaras



KAM CONSULTANTS 35-40 36th Street Long Island City New York, 11106 Tel: (718) 729-1997

Fax: (718) 729-1876

BULK SAMPLE ANALYSIS REPORT

CLIENT: NICHE ANALYSIS, INC. - 10 Fiske Place, Suite 517, Mount Vernon, NY 10550

BUILDING ADDRESS: 19 West Lake Drive, Valhalla, NY

PROJECT#: NYC DEP - KENSICO LAB

Client Sample ID#:	06	30A	31A	32	33
Lab Sample ID# :	061102G-607	061102G-608	061102G-609	061102G-610	061102G-611
Sample Location:	Attic / Duct Exhaust	1st Floor / Auto Clave Room / Duct Work / East Side	1st Floor / Auto Clave Room / Duct Work / East Side	1st Floor / Auto Clave Room / NE Corner / Ceiling	1st Floor / Auto Clave Room / NE Corner / Duct East Wall
Homogeneity:	Yes	Yes	Yes	Yes	Yes
Sample Description:	Mastic (Glue)	Duct Insulation Spot Coating	Duct Insulation Spot Coating	Ceiling Tile Glue	Ceiling Tile Glue
Color:	Brn	Blk	Blk	Brn	Brn
Texture:	Mixed	Mixed	Mixed	Non Fibrous	Non Fibrous
Sample Treatment:	Acid Digestion & Ashing	Acid Digestion & Ashing	Acid Digestion & Ashing	Acid Digestion & Ashing	Acid Digestion & Ashing
Asbestos Present: (Type & Percent)	4.5%CHR	8%CHR	7.5%CHR	ND	ND
Total Percent Asbestos:	4.5%	8%	7.5%	0%	0%
Other Fibr. Mat. (Type & Percent):	0%	0%	0%	0%	0%
Non Fibr. Mat. (Percent):	95.5%	92%	92.5%	100%	100%
Date Received: Date of Analysis: Date of Report:	11/2/2006 11/3/2006 11/3/2006	/7		and the second	_
Analyst:		Maria	Lab Director:	- Andrews	

- * RL = 0.25%, RL = ND
- * All PLM-NOB samples with 1% asbestos or less are "Inconclusive".

Roody Louis

- * TEM is the only method that can verify that an NOB is not an asbestos-containing material.
- * Sample Condition upon receipt: Acceptable
- * Analytical Quality Control Requirements were met for this set of samples.
- * Analysis of samples is performed by Polarized Light Microscopy (PLM) Point Counting Method (EPA 600/M4-82-020) (ELAP 198.6)
- * Analytical equipments: Stereobinocular microscope (MEIJI EMT-Serial # 25930), Polarized Light Microscope (MEIJI ML-POL-Serial # 88034)
- * PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing
- * Samples will be stored for ninety (90) days and then returned to the client upon request
- * The results relate only to the items calibrated or tested.
- * The certificate of report shall not be reproduced without the written approval of the laboratory.
- * The report must not be used by the client to claim endorsement by NVLAP or any agency of the US Government.

NYS-DOH ELAP # 11273

NIST-NVLAP # 102047

AIHA #: 100269



KAM CONSULTANTS 35 - 40 36th Street Long Island City New York, 11106 Tel: (718) 729-1997 Fax: (718) 729-1876

BULK SAMPLE ANALYSIS REPORT

CLIENT: NICHE ANALYSIS, INC. - 10 Fiske Place, Suite 517, Mount Vernon, NY 10550

44A

BUILDING ADDRESS: 19 West Lake Drive, Valhalla, NY

PROJECT#: NYC DEP - KENSICO LAB

Client Sample ID#: 34

061102G-612

061102G-613

Lab Sample ID#: Sample Location:

1st Floor / Auto

1st Floor / Water

Clave Room / NE

& Sewer Lab / South End

Corner / Duct East

Wall

Homogeneity:

Yes

Yes

Sample Description: Ceiling Tile Glue

Duct Insulation

Spot Coating

Color:

Brn

Blk

Texture:

Non Fibrous

Mixed

Sample Treatment:

Acid Digestion

Acid Digestion

& Ashing

& Ashing

Asbestos Present:

(Type & Percent)

ND

6.4%CHR

Total Percent

Asbestos:

0%

6.4%

Other Fibr. Mat.

(Type & Percent):

0%

0%

Non Fibr. Mat.

(Percent):

100%

93.6%

Date Received:

11/2/2006

Date of Analysis:

11/3/2006

Date of Report:

11/3/2006

Analyst:

Lab Director

George Kouvaras

* RL = 0.25%, RL = ND

* All PLM-NOB samples with 1% asbestos or less are "Inconclusive".

Roody I

- * TEM is the only method that can verify that an NOB is not an asbestos-containing material.
- * Sample Condition upon receipt: Acceptable
- Analytical Quality Control Requirements were met for this set of samples.
- Analysis of samples is performed by Polarized Light Microscopy (PLM) Point Counting Method (EPA 600/M4-82-020) (ELAP 198.6)
- Analytical equipments: Stereobinocular microscope (MEIJI EMT-Serial # 25930), Polarized Light Microscope (MEIJI ML-POL-Serial # 88034)
- PLM is not consistently reliable in detecting asbestos in floor coverings and similar non-friable organically bound materials. Quantitative transmission electron microscopy is currently the only method that can be used to determine if this material can be considered or treated as non-asbestos-containing
- Samples will be stored for ninety (90) days and then returned to the client upon request
- * The results relate only to the items calibrated or tested.
- * The certificate of report shall not be reproduced without the written approval of the laboratory.
- * The report must not be used by the client to claim endorsement by NVLAP or any agency of the US Government. AIHA#: 100269

NYS-DOH ELAP # 11273

NIST-NVLAP # 102047



BULK SAMPLE ANALYSIS REPORT

(NON-FRIABLE ORGANICALLY BOUND MATERIALS BY PLM AND/OR TEM VIA NYS ELAP 198.5 & 198.4)

NICHE FILE: 13-15732-0 COMPLIANCE DIVISION

NEW YORK CITY - DEP BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE VALHALLA, NEW YORK 10595-1336

PHONE: (914) 773-4555; FAX: (914) 773-4530

Page 1 of 1

SUB-LAB	ATC Associates Inc.	Batch #	# 27329
COMPLAINT#	BWS-U2013-51A	DEP CONTACT	Anthony Purchia
FACILITY	Hudson Kensico Lab	DATE SAMPLED	08-13-13
PROJECT	19 West Lake Drive	DATE RELINQUISHED	08-15-13
ADDRESS	Vaihalla, NY 10595	DATE ANALYZED	08-19-13
		DATE REPORTED	08-20-13

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent	Gravimetric NOB Results
1E	Tar Coating	Black	Area # 2/ Lab Storage/ Floor Drain	ND	ND	64 6% Organic 8.7% Residue 26.7% Carbonate
2E	Tar Coating	Black	Area # 2/ Lab Storage/ Floor Drain	ND	ND	64 2% Organic 2 9% Residue 32 9% Carbonate

Note: All NQB samples were prepared and analyzed in accordance with NYS DOH- ELAP methods 198 6 and 198 4 via Transmission Electron Microscopy (TEM) by NtCHE's sub-lab, ATC Associates, Inc., an ELAP approved lab (ELAP # 10879), and this report is generated with their permission and approval.

SAMPLE ANALYSIS BY

POLARIZED-LIGHT MICROSCOPY (PLM) ANDIOR TRANSMISSION ELECTRON MICROSCOPY TEM

METHOD OF SAMPLE
PREPARATION & ANALYSIS

ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE NYS DOH ELAP METHODS 198.6 "POLARIZED-LIGHT MICROSCOPE METHOD FOR IDENTIFYING AND QUANTITATING ASSESTOS IN NON-FRIABLE ORGANICALLY BOUND BULK SAMPLES" AND 198.4 "THANSMISSION ELECTRON MICROSCOPE METHOD FOR IDENTIFYING AND QUANTITATING ASSESTOS IN NON-FRIABLE ORGANICALLY BOUND BULK SAMPLES"

BOUND BULK SAMPLES"

ND = NONE DETECTED NICHE ELAP# 11236

BING LIANG

Laboratory Director/Contact Person



BULK SAMPLE ANALYSIS REPORT

(NON-FRIABLE ORGANICALLY BOUND MATERIALS BY PLM AND/OR TEM VIA NYS ELAP 198.6 & 198.4)

NICHE FILE: 13-15693-0 COMPLIANCE DIVISION

NEW YORK CITY - DEP BUREAU OF WATER SUPPLY 465 COLUMBUS AVENUE VALHALLA, NEW YORK 10595-1336

PHONE: (914) 773-4555; FAX: (914) 773-4530

Page 1 of 1

SUB-LAB	ATC Associates Inc.	Batch #	# 27284
COMPLAINT#	BWS-U2013-49E	DEP CONTACT	Anthony Purchia
FACILITY	Kensico Laboratory	DATE SAMPLED	08-06-13
PROJECT West Lake Drive	DATE RELINQUISHED	08-07-13	
ADDRESS	Valhalla, NY 10595	DATE ANALYZED	08-11-13
		DATE REPORTED	08-12-13

Sample No.	Type Of Material	Appearance	Sample Location	Asbestos Content And Percent	Non-Asbestos Fiber Content And Percent	Gravimetric NOB Results
16	Tar Coating	Black	Area # 2 Lab Storage Floor Drain	ND	ND	72.8% Organic 6.2% Residue 21% Carbonate
2E	Tar Coating	Black	Area # 2 Lab Storage Along Wail	1.4% Chrysotile	ND	63.8% Organic 12.7% Residue 22.1% Carbonate

Note: All NOB samples were prepared and analyzed in accordance with NYS DOH. ELAP methods 198.6 and 198.4 via Transmission Electron Microscopy (TEM) by NICHE's sub-lab, ATC Associates inc. an ELAP approved lab (ELAP # 10879), and this report is generated with their permission and approval

BAMPLE ANALYSIS BY

POLARIZED-LIGHT MICROSCOPY (PLM) AND/OR TRANSMISSION ELECTRON MICROSCOPY (TEM)

METHOD OF SAMPLE
PREPARATION & ANALYSIS

ALL SAMPLES WERE PREPARED AND ANALYZED IN ACCORDANCE WITH THE NYS DOH ELAP METHODS 198.6 "POLARIZED-LIGHT MICROSCOPE METHOD FOR IDENTIFYING AND QUANTITATING ASBESTOS IN NON-FRIABLE ORGANICALLY BOUND BULK SAMPLES". AND 1994 "TRANSMISSION ELECTRON MICROSCOPE METHOD FOR IDENTIFYING AND QUANTITATING ASBESTOS IN NON-FRIABLE ORGANICALLY BOUND BULK SAMPLES"

ND = NONE DETECTED NICHE ELAP#: 11236

BING LIANG

Laboratory Director/Contact Person



117 EAST 30TH STREET NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

URS Corporation

Attn: Thomas Gibbons

5 Penn Plaza 13th Floor

New York, NY 10001

Date Received 10/01/04

AmeriSci Job No.204101135

Date Examined 10/06/04

P.O. #

ELAP Number 11480

Page 1 of 5

RE 38547721.11912; DEP; Kensico Lab (BWS 191)

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

191-01-01

204101135-01

Yes

7 %

1

Location: Attic - HVAC System

Description: Black, Homogeneous, Duct Batting Mastic

Asbestos Types: Chrysotile 7.0 %

Other Material: Fibrous glass 5, %, Non-fibrous 88, %

191-01-02

204101135-02

NA/PS

1

Location: Attic - HVAC System

Description: Duct Batting Mastic

Asbestos Types: Other Material:

191-01-03

204101135-03

NA/PS

1

Location: Attic - HVAC System

Description: Duct Batting Mastic

Asbestos Types: Other Material:

191-02-01

204101135-04

No

NAD

2

Location: Microbiology Office

Description: Grey, Homogeneous, Suspended Ceiling Tile

Asbestos Types:

Other Material: Cellulose 50. %, Fibrous glass 25. %, Non-fibrous 25. %

191-02-02

204101135-05

Νø

NAD

2

Location: Microbiology Office

Description: Grey, Homogeneous, Suspended Ceiling Tile

Asbestos Types:

Other Material: Cellulose 50. %, Fibrous glass 25. %, Non-fibrous 25. %



117 EAST 30TH STREET NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

URS Corporation

Attn: Thomas Gibbons

5 Penn Plaza 13th Floor

New York, NY 10001

Date Received 10/01/04

AmeriSci Job No.204101135

Date Examined 10/06/04

P.O. #

ELAP Number 11480

Page 2 of

RE 38547721.11912; DEP; Kensico Lab (BWS 191)

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

191-02-03

204101135-06

No

NAD

2

Location: Microbiology Office

Description: Grey, Homogeneous, Suspended Ceiling Tile

Asbestos Types:

Other Material: Cellulose 50. %, Fibrous glass 25. %, Non-fibrous 25. %

191-03-01

204101135-07

NA

3

Location: Autoclave And Bottle Lab Ceiling

Description: Mastic On Celling Tile

Asbestos Types: Other Material:

Comment: No Sample Submitted

191-03-02

204101135-08

NA

3

Location: Autoclave And Bottle Lab Ceiling

Description: Mastic On Ceiling Tile

Asbestos Types: Other Material:

Comment: No Sample Submitted

191-03-03

204101135-09

NA

3

Location: Autoclave And Bottle Lab Ceiling

Description: Mastic On Celling Tile

Asbestos Types: Other Material:

Comment: No Sample Submitted

2126799392



AmeriSci New York

117 EAST 30TH STREET NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

URS Corporation Attn: Thomas Gibbons

5 Penn Plaza 13th Floor

New York, NY 10001

Date Received 10/01/04

AmeriSci Job No.204101135

Date Examined 10/06/04

P.O. #

ELAP Number 11480

Page 3 of

RE 38547721.11912; DEP; Kensico Lab (BWS 191)

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

191-04-01

204101135-10

NA

4

Location: Autoclave And Bottle Lab Ceiling

Description: Brown Coat On Duct

Asbestos Types: Other Material:

Comment: No Sample Submitted

191-04-02

204101135-11

NA

4

Location: Autoclave And Bottle Lab Ceiling

Description: Brown Coat On Duct

Asbestos Types: Other Material:

Comment: No Sample Submitted

191-04-03

204101135-12

NA

4

Location: Autoclave And Bottle Lab Ceiling

Description: Brown Coat On Duct

Asbestos Types: Other Material:

Comment: No Sample Submitted

191-05-01

204101135-13

Yes

1, 2

Location: Wet Chemistry Lab

Description: Grey, Homogeneous, Doorway Caulking Asbestos Types: Anthophyllite 0.5 %

Other Material: Fibrous Talc 2. %, Non-fibrous 97.5 %

5

< 1.%



117 EAST 30TH STREET NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

URS Corporation Attn: Thomas Gibbons 5 Penn Plaza 13th Floor

New York, NY 10001

Date Received 10/01/04 Date Examined 10/06/04

ELAP Number 11480

AmeriSci Job No.204101135

P.O. #

Page 4 of 5

RE 38547721.11912; DEP; Kensico Lab (BWS 191)

Asbestos Present Total % Asbestos Lab No. Client No. / HGA Yes < 1.% 204101135-14 191-05-02 Location: Wet Chemistry Lab 5 Description: Grey/Green, Heterogeneous, Doorway Caulking Asbestos Types: Anthophyllite Trace Other Material: Fibrous Talc 1.%, Non-fibrous 99.% Comment: Composite Analysis Yes < 1.% 191-05-03 204101135-15 Location: Wet Chemistry Lab 5 Description: Grey/Green, Heterogeneous, Doorway Caulking Asbestos Types: Anthophyllite Trace Other Material: Fibrous Talo 1. %, Non-fibrous 99. % Comment: Composite Analysis 2.25 % 1 Yes 204101135-16 191-06-01 Location: Basement Boiler Room 6 Description: Beige, Homogeneous, Doorway Caulking Asbestos Types: Anthophyllite Trace, Chrysotile 2.25 % Other Material: Non-fibrous 97.75 % NA/PS 204101135-17 191-06-02 Location: Basement Boiler Room 6

Description: Doorway Caulking

Asbestos Types: Other Material:



117 EAST 30TH STREET NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

URS Corporation
Attn: Thomas Gibbons

5 Penn Plaza 13th Floor

New York, NY 10001

Date Received 10/01/04

AmeriSci Job No.204101135

Date Examined 10/06/04

P.O. #

ELAP Number 11480

Page 5 of 5

RE 38547721.11912; DEP; Kensico Lab (BWS 191)

Client No. / HGA

Lab No.

Asbestos Present

Total % Asbestos

191-06-03

204101135-18

NA/PS

6

Location: Basement Boiler Room

Description: Doorway Caulking

Asbestos Types: Other Material:

Reporting Notes:

(1) PLM analysis by EPA 400 Point Count Method(2) TEM confirmation of PLM results recommended

Analyzed by: David W. Roderlck

NAD/NSD = no asbestos detected; NA = not analyzed; NA/PS = not analyzed / positive stop; PLM Bulk

Asbestos Analysis by EPA 600/M4-82-020 per 40 CFR 763 (NVLAP Lab #200546-0) and ELAP PLM Analysis

Protocol 198.1 for New York samples (NYSDOH ELAP Lab # 11480); Note: PLM is not consistently reliable in

detecting asbestos in floor coverings and similar non-friable organically bound materials. TEM is currently the only
method that can be used to determine if this material can be considered or treated as non-asbestos-containing in

New York State (also see EPA Advisory for floor tile, FR 59, 146, 38970, 8/1/94). National institute of Standards
and Technology Accreditation requirements mandate that this report must not be reproduced except in full without
the approval of the laboratory. This PLM report relates ONLY to the items tested. AlHA# 102843.

Reviewed By:			
Deviewed by	 	 	



117 EAST 30TH STREET NEW YORK, NY 10016 TEL: (212) 679-8600 • FAX: (212) 679-9392

PLM Bulk Asbestos Report

URS Corporation Attn: Thomas Gibbons 5 Penn Plaza 13th Floor

New York, NY 10001

Date Received 10/13/04

AmeriSci Job No.204102457

Date Examined 10/14/04

P.O. #

ELAP Number 11480

Page of

RE 38547721.11912; dep; Kensico Lab

Client No. / HGA Lab No. Asbestos Present **Total % Asbestos** No NAD 204102457-01 191-03-01 Location: Autoclave And Bottle Lab Ceiling Description: Brown, Homogeneous, Ceiling Tile Mastic Asbestos Types: Other Material: Fibrous glass Trace, Non-fibrous 100. % No NAD 191-03-02 204102457-02 Location: Autoclave And Bottle Lab Ceiling Description: Brown, Homogeneous, Ceiling Tile Mastic **Asbestos Types:** Other Material: Fibrous glass Trace, Non-fibrous 100. % No NAD 204102457-03 191-03-03 Location: Autoclave And Bottle Lab Ceiling

Description: Brown, Homogeneous, Ceiling Tile Mastic

Asbestos Types:

Other Material: Fibrous glass Trace, Non-fibrous 100. %

191-03-04-01

204102457-04

No

NAD

Location: Autoclave And Bottle Lab Ceiling

Description: Brown, Homogeneous, Cementitious, Brown Coat/Duct (Scratch Coat)

Asbestos Types:

Other Material: Cellulose Trace, Non-fibrous 100. %

191-03-04-02

204102457-05

No

NAD

Location: Autoclave And Bottle Lab Ceiling

Description: Brown, Homogeneous, Cementitious, Brown Coat/Duct (Scratch Coat)

Asbestos Types:

Other Material: Cellulose Trace, Non-fibrous 100. %



KAM CONSULTANTS 35-40 36th Street Long Island City New York, 11106 Tel: (718) 729-1997 Fax: (718) 729-1876

QUANTITATIVE ANALYSIS REPORT ASBESTOS IN BULK MATERIAL

Transmission Electron Microscopy

CLIENT: NICHE ANALYSIS INC. – 10 Fiske Place, Suite 517, Mt. Vernon, NY 10550 BUILDING ADDRESS: NYC DEP – KENSICO LAB – 19 West Lake Drive, Valhalla, NY

Sample Description (Homogen. Material)	Sample Location	Client Sample ID#	Lab ID#	Color	Organic Component	Acid Soluble Inorganic	NA Acid Insoluble Inorganic	Asbestos (Percentage & Type)
Ceiling Tile Glue	1 st Floor/ Auto Clave Room/ NE Corner/	32	T061102G-610	Brn	52.3%	12.0%	35.7%	ND
Ceiling Tile Glue	Ceiling 1 st Floor/ Auto Clave Room/ NE Corner/	33	T061102G-611	Brn	51.6%	7.9%	40.5%	ND
Ceiling Tile Glue	Duct East Wall 1 st Floor/ Auto Clave Room/ NE Corner/ Duct East Wall	34	T061102G-612	Brn	50.3%	14.4%	35.3%	ND

Date Received: 11/02/06 Date Analyzed: 11/06/06 Date of Report: 11/06/06

Analyst:

lex Barenseits

Lab Director:

Geerge Kouvaras

- Sample Condition: Acceptable
- Analytical Quality Control Requirements were met for this set of samples.
- Analysis performed by New York State ELAP 198.4 Method for NOB's (Non-Friable Organically Bound Bulk Samples)
- This report relates only to specific items tested
- Samples will be stored for ninety (90) days and then returned to the client upon request
- CH: Chrysotile, AMO: Amosite, CRO: Crocidolite, ACT: Actinolite, ANTH: Anthophylite, TRE: Tremolite, ND: Not Detected, Trc: Trace, NA: Non Asbestos
- KAM's Laboratory must report as verifiable only those operations and analysis performed in-lab. If a filter with residue was received from non-laboratory personnel then the laboratory report should report as verifiable only the structures / cm³

AIHA#: 100269

NIST-NVLAP #: 102047

NYS-DOH ELAP#: 11273

Sample Location	s from Previo	us Surveys a	nd Sample E	vents

NOT TO SCALE

LEGEND:

SAMPLE IDENTIFICATION AND LOCATION UNDERLINE DENOTES SAMPLES RE-VISIT LOCATIONS



THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

5 PENN PLAZA
NEW YORK, NY 10001
TEL: (212) 840-0595
FAX: (212) 921-0388
CORPORATION

Project

NYCDEP LEGACY ASSESSMENTS

Facility Name and Number:

KENSICO LABORATORY BWS-191

Sheet Title:

SECOND LEVEL FLOOR PLAN

(AREA 13 THROUGH AREA 19)

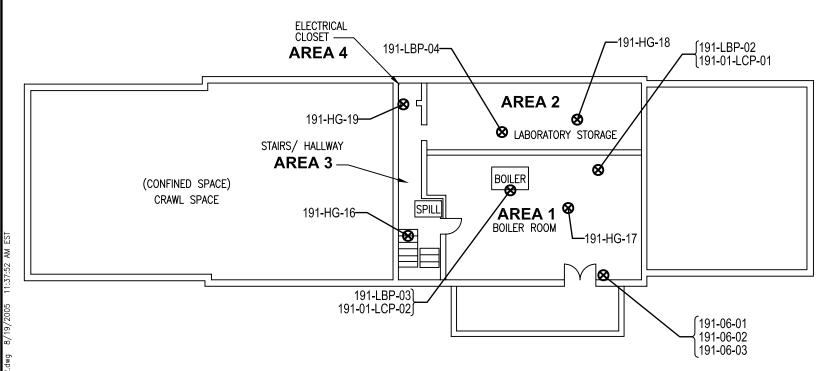
e: 06/20/06

Project Number:

38547721

Sheet Number:







LEGEND:

SAMPLE IDENTIFICATION AND LOCATION



THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

5 PENN PLAZA
NEW YORK, NY 10001
TEL: (212) 840-0595
FAX: (212) 921-0388
CORPORATION

Project

NYCDEP LEGACY ASSESSMENTS

Facility Name and Number:

KENSICO LABORATORY BWS-191

Sheet Title:

BASEMENT LEVEL FLOOR PLAN

(AREA 1 THROUGH AREA 4)

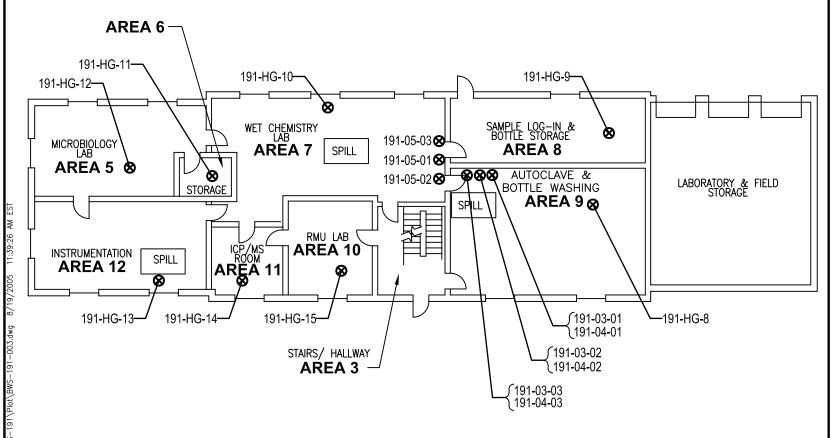
03/02/05

Project Number:

38547721

Sheet Number:





NOT TO SCALE

LEGEND:

SAMPLE IDENTIFICATION AND LOCATION



THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

5 PENN PLAZA NEW YORK, NY 10001 TEL: (212) 840-0595 FAX: (212) 921-0388 CORPORATION

Project

NYCDEP LEGACY ASSESSMENTS

Facility Name and Number:

KENSICO LABORATORY BWS-191

Sheet Title:

MAIN LEVEL FLOOR PLAN

(AREA 5 THROUGH AREA 12)

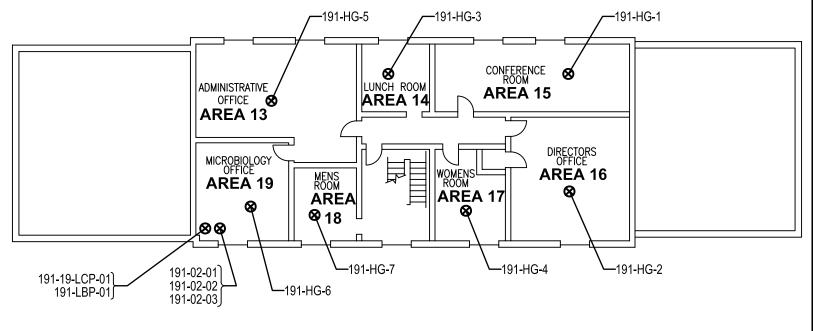
03/02/05

Project Number:

38547721

Sheet Number:





ROAD

NOT TO SCALE

LEGEND:

SAMPLE IDENTIFICATION AND LOCATION



THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION

5 PENN PLAZA
NEW YORK, NY 10001
TEL: (212) 840-0595
FAX: (212) 921-0388
CORPORATION

Project

NYCDEP LEGACY ASSESSMENTS

Facility Name and Number:

KENSICO LABORATORY BWS-191

Sheet Title:

SECOND LEVEL FLOOR PLAN

(AREA 13 THROUGH AREA 19)

e: 03/02/05

Project Number:

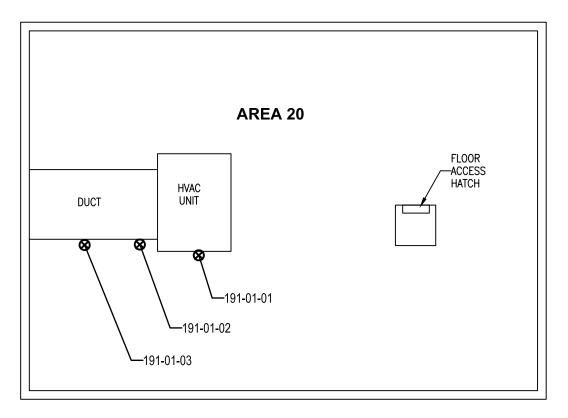
38547721

Sheet Number:

FIGURE 4

:UEF-Legacy\38547/21\EastOfHudson\BWS-191\Plot\BWS-191-004.dwg 8/19/2005 11:39:52 AM ESI





FRONT OF BUILDING

NOT TO SCALE

LEGEND:

SAMPLE IDENTIFICATION AND LOCATION



THE CITY OF NEW YORK
DEPARTMENT OF ENVIRONMENTAL PROTECTION



Project

NYCDEP LEGACY ASSESSMENTS

Facility Name and Number:

KENSICO LABORATORY BWS-191

Sheet Title:

ATTIC LEVEL FLOOR PLAN

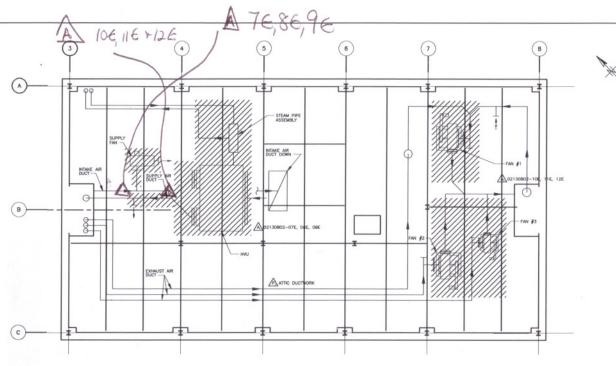
(AREA 20)

03/02/05

Project Number:

38547721

Sheet Number:



ATTIC FLOOR PLAN

	Kensic	ACM Removal Laboratory Facility - ATTIC		
Sample No(s)	Location	Sample Description	Analytical Results	Estimated Quantity
02130802-07E, 08E, 09E	Attic HVAC Unit	Gasket at Top Seam	0.2 - 1.4% Chrysotile	
02130802-10E,11E, 12E	Attic HVAC Duct	Residual Tar	12.5 - 17.7% Chrysotile	

	Summary of Paint C Kensico Laborator	The state of the s		
Sample ID	Location	Parameter	Concentration	
Attic Duct Work	Attic - Paint on Duct Work	PCBs	2.9 mg/kg	
Attic Duct Work	Aftic - Paint on Duct Work	mercury	0.67 mg/kg	
Attic Duct Work	Attic - Paint on Duct Work	lead	820 mg/kg	

NOTES:

T. THIS IDMANUSC ONLY SHOWS PROPOSED LOCATIONS OF CONTRANSPET FOR ASSISTOR, AMPLICANT OF APPROVANT EQUIPMENT OF THE AMPLICANT WORKS. AMPLICANT CONTRACTOR SHOULD DETERMINE A FINAL FIX AS NECESSARY TO COMPELET THE WORK. ALL DESTROS CONTRANS QUERY WERE SEE SPECIFICATION 13282 AND 13283 FOR KNOWN LOCATIONS OF ACM AND FAINT CONTRAINED LIKE.

CONTRACTOR SHOULD REMEDIATE THE ASBESTOS CONTAINING MATERIALS AS NECESSARY TO CONNECT THE NEW DUCTWORKS. SEE THE PLANS AND SECTIONS FOR THE CONNECTIONS MADE TO THE DESTING DUCTWORKS. ALL MATEMENT WORK SHOULD BE DONE IN ACCORDANCE WITH SPECIFICATION 13281 AS WELL AS 13283.

4. POTENTIAL ACM (ASBESTOS CONTAINING MATERIAL) IS PRESENT BEHIND THE ALL EXISTING UTILITY SHAFT.

5. CONTRACTOR TO CAREFULLY OPEN EXISTING CEILING CONSTRUCTION ONLY TO THE EXTENT NEEDED TO COMPUTE THE AUNTEMENT WORKS AS REQUIRED. UPON COMPLETION OF PAINTENENT, EXISTING CEILING AREAS ACCESSED IN SUCH A MANNER SHALL BE SEALED AS REQUIRED AND APPROVED BY THE ENGINEER UNTIL THE NEW HAVE DUCTWORK TO BE INTIMATED.

6. THE FUME HOODS AND AUTOCLAVE IN REAGENT AND MEDIA PREPARATION ROOM CAN NOT BE RELOCATED DURING THE WORK.

7. TEMPORARY ENCLOSURE AROUND THE ACM MATERIAL IN THE VICINITY OF THE WOKR AREA SHOULD BE PROVIDED AS SHOWN.

S. THE DISTING NINDOW IN THE DIRICOTE LUNCH ROOM MAY BE REMOVED TEMPORARILY FOR A SHORT DURATION AS ALLOWED BY THE ENGNEER FOR HAZ ELUMENT ACCESS PURPOSES ONLY. IF REMOVED, THE YOUTHWATER OF THE SHALL ABATE THE ARATEMENT WILL BE PAID FOR UNIT PRICE TEM H-UP-2. THE WINDOW SHALL BE REPLACED UPON USE FOR HAZ ELUMPRIT ACCESSING PRECAUTIONS TO NOT DIAMAGE THE WINDOW. IF DAMAGED, THE CONTRACTOR SHALL TAKE HAD HAVE A HAD SHALL BEEN HAD BEEN AS A HAD SHALL BEEN ALL RECESSING PRECAUTIONS TO NOT DIAMAGE THE WINDOW. IF DIAMAGED, THE CONTRACTOR SHALL REPLACE THE REMOON HIS DIAM AS TO DETAL COST TO THE OWNER.

LEGEND

////// - DENOTES DEMOLITION

8 FT 1/4"=1'-0"

GREELEY AND HANSEN 180 DESIGNED_BW/TK SCALE DRAWN __ CHECKED GYS ISSUED FOR PROJENCE.

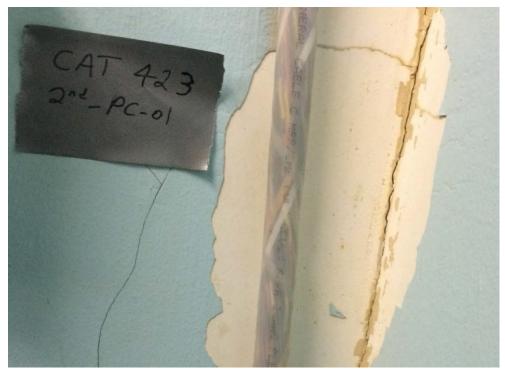


CITY OF NEW YORK DEPARTMENT OF ENVIRONMENTAL PROTECTION BUREAU OF WATER SUPPLY CATSKILL-CAT-184 KENSICO LAB HVAC UPGRADE

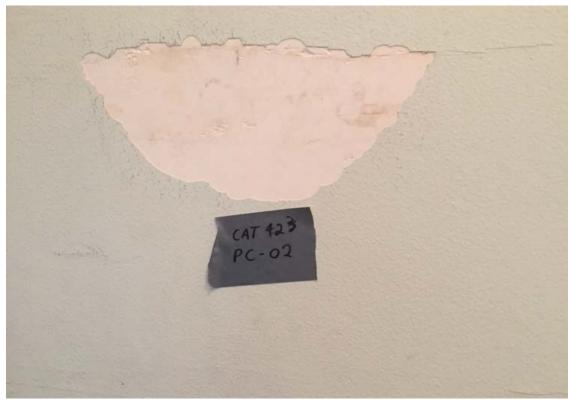
CAT-184-H HVAC KANSICO LABORATORY DEMOLITION PLAN

DATE: APRIL 2005 DWG. NO.: DH01 SHEET NO .: OF ____ FILE NAME: __CAT160H010

ATTACHMENT D Pictures of Confirmed PCB and Asbestos-Containing Materials



Picture 1. Lead-based and PCB-containing blue over beige wall paint in the Second Floor, Library and Conference Room (CAT423-2ND-PC-01).



Picture 2. Lead and PCB-containing green wall paint in the Second Floor, Hallway (CAT423-2ND-PC-02).



Picture 3. Lead and PCB-containing white sink drain paint in the Second Floor, Men's Bathroom (CAT423-2ND-PC-03).



Picture 4. Lead and PCB-containing beige over blue wall paint in the Second Floor, Watershed Division Engineer's Office (CAT423-2ND-PC-04).



Picture 5. Lead and PCB-containing yellow wall paint in the Second Floor, Watershed Engineer's Office closet (CAT423-2ND-PC-05).



Picture 6. Lead-based and PCB-containing silver framework paint in the Attic (CAT423-ATT-PC-07).



Picture 7. Lead and PCB-containing beige over green door paint in the First Floor, Office (CAT423-1ST-PC-10).



Picture 8. Lead and PCB-containing black drain pipe paint in the Basement, Boiler Room (CAT423-BASE-PC-11).



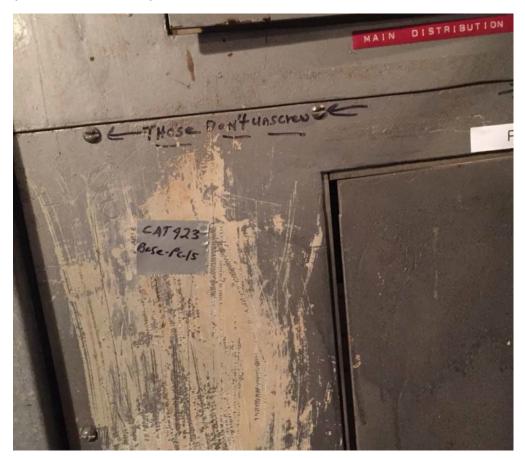
Picture 9. Lead and PCB-containing green floor paint in the Basement, Storage Room (CAT423-BASE-PC-12).



Picture 10. Lead-based and PCB-containing white wall paint in the Basement, Hallway (CAT423-BASE-PC-13).



Picture 11. Lead-based and PCB-containing beige wall paint in the Basement, Storage Room (CAT423-BASE-PC-14).



Picture 12. Lead and PCB-containing silver electrical panel paint in the Basement, Boiler Room (CAT423-BASE-PC-15).



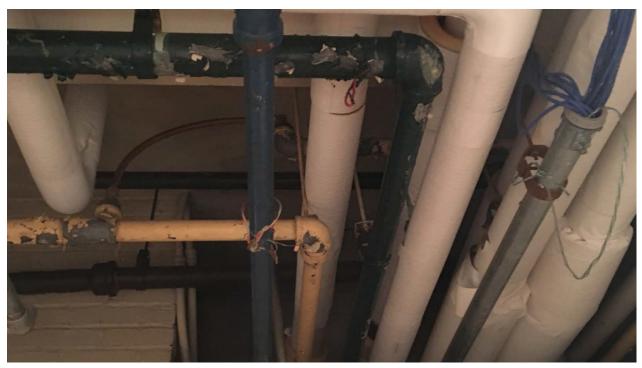
Picture 13. Lead-based and TSCA-regulated PCB black drain pipe paint in the Basement, Crawlspace (CAT423-BASE-PC-18).



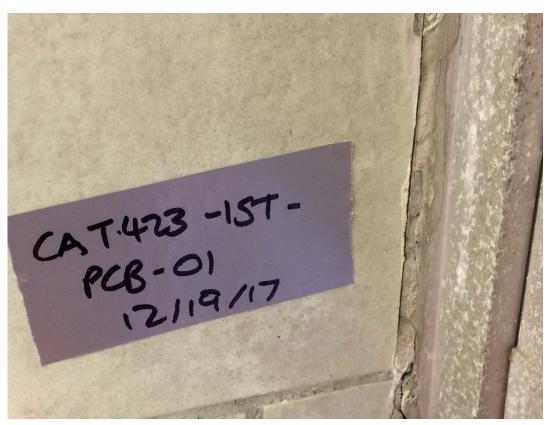
Picture 14. Lead-based and TSCA-regulated PCB brown drain pipe paint in the Basement, Crawlspace (CAT423-BASE-PC-19).



Picture 15. Lead-based and TSCA-regulated PCB blue pipe paint in the Basement, Crawlspace (CAT423-BASE-PC-20).



Picture 16. Lead-based and TSCA-regulated PCB green and yellow paints on pipes in the Basement, Storage Room (CAT423-BASE-PC-21,22).



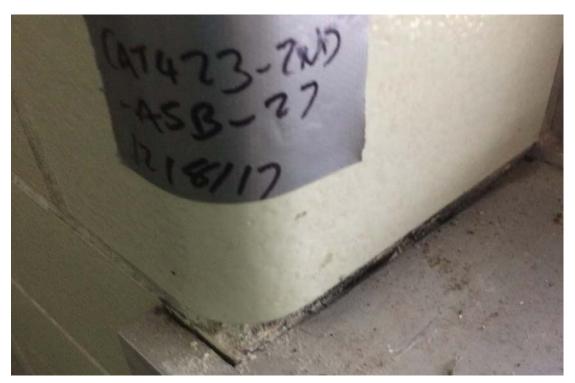
Picture 17. PCB-containing caulk around the interior window of the First Floor, General Lab (CAT423-1ST-PCB-01).



Picture 18. PCB-containing caulk around the Basement, Boiler Room door (CAT423-BASE-PCB-02).



Picture 19. Door Closer with PCB-containing oil on Basement, Boiler Room Door (CAT423-1ST-PCB-11)



Picture 20. Asbestos-containing black caulk on the radiators in the Second Floor, Men's and Women's Bathrooms (CAT423-2ND-ASB-26,27).



Picture 21. Asbestos-containing black radiator shielding in the Second Floor, Stairwell (CAT423-2ND-ASB-28,29).



Picture 22. Asbestos-containing brown canvas wire wrap in the radiator of the First Floor, General Lab (CAT423-1ST-ASB-38,39).



Picture 23. Asbestos-containing white caulk around Exterior, South Wall vent (CAT423-EXT-ASB-84,85).



Picture 24. Asbestos-containing brown 4" gasket in the Basement, Crawlspace (CAT423-BASE-ASB-94,95).



Picture 25. Gasket in Attic HVAC unit containing trace asbestos (CAT423-ATT-ASB-30).

ATTACHMENT E

Bidwell Environmental LLC Asbestos Handling Licenses and Certificates

New York State - Department of Labor

Division of Safety and Health License and Certificate Unit State Campus, Building 12 Albany, NY 12240

ASBESTOS HANDLING LICENSE

Bidwell Environmental, L.L.C.

P.O. Box 266

SugarLoaf, NY 10981

FILE NUMBER: 09-48940 LICENSE NUMBER: 48940

LICENSE CLASS: RESTRICTED DATE OF ISSUE: 11/02/2017 EXPIRATION DATE: 11/30/2018

Duly Authorized Representative - Ellen Metzger:

This license has been issued in accordance with applicable provisions of Article 30 of the Labor Law of New York State and of the New York State Codes, Rules and Regulations (12 NYCRR Part 56). It is subject to suspension or revocation for a (1) serious violation of state, federal or local laws with regard to the conduct of an asbestos project, or (2) demonstrated lack of responsibility in the conduct of any job involving asbestos or asbestos material.

This license is valid only for the contractor named above and this license or a photocopy must be prominently displayed at the asbestos project worksite. This license verifies that all persons employed by the licensee on an asbestos project in New York State have been issued an Asbestos Certificate, appropriate for the type of work they perform, by the New York State Department of Labor.

Eileen M. Franko, Director For the Commissioner of Labor

SH 432 (8/12)

STATE OF NEW YORK - DEPARTMENT OF LABOR ASBESTOS CERTIFICATE

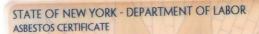




MICHAEL L WELLOCK CLASS(EXPIRES) D INSP(06/18)

> CERT# 12-14716 DMV# 819360714

MUST BE CARRIED ON ASBESTOS PROJECTS







MICHAEL J KAMROWSKI CLASS(EXPIRES) D INSP(04/19)

> CERT# 17-34776 DMV# 737476169

MUST BE CARRIED ON ASBESTOS PROJECTS

HORSESTING INCOMENDS IN CO.