

ATTACHMENT I:

MEDTOX – HERRERA HAZMAT SURVEY 2010

HAZARDOUS BUILDING MATERIALS SURVEY

Alder Wing and Alder Tower, Youth
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Acronyms

AAS	atomic absorption spectroscopy
ACM	asbestos-containing materials
ACT	acoustical ceiling tile
AHERA	Asbestos Hazard Emergency Response Act
ASHARA	Asbestos Schools Hazard Abatement Reauthorization Act
ASTM	American Society of Testing and Materials
CAB	cement asbestos board
CMU	cement masonry unit
CFC	chlorofluoro carbons
CFR	Code of Federal Regulation
DEHP	Di (2-ethylhexyl) phthalate
ECD	electron capture detectors
EPA	U.S. Environmental Protection Agency
GC	gas chromatography
HBM	hazardous building materials
HERRERA	Herrera Environmental Consultants, Inc.
HID	high intensity discharge
HM	homogeneous material
HVAC	heating, ventilation, and air-conditioning
LBP	lead-based paint
MAP	Metals Analysis Probe
mg/cm ²	milligrams per square centimeter
mg/kg	milligrams per kilogram
mg/L	milligrams per liter
MTNW	Med-Tox Northwest
NVLAP	National Voluntary Laboratory Accreditation Program
OSHA	Occupational Safety and Health Administration
PCB	polychlorinated biphenyl
PLM	polarized light microscopy
ppm	parts per million
PSCAA	Puget Sound Clean Air Agency
SAP	Sample and Analysis Plan
TCLP	toxicity characteristic leaching procedure
TSI	thermal system insulation
WAC	Washington Administration Code
WISHA	Washington Industrial Safety and Health Administration

Survey Summary

On March 18 through April 2, 2010, Jon A. Havelock, CSP, CHMM, Anthony Fullerton, Ingrid Holznagel of Med-Tox Northwest (MTNW) and Brady Hanson of Herrera Environmental Consultants, Inc. (HERRERA) conducted a hazardous building materials (HBM) survey of the King County Youth Services Center – Alder Wing and Alder Tower buildings located at 1211 East Alder Street in Seattle, Washington. This survey was performed for demolition purposes.

The survey included asbestos, lead-based paint (LBP), and other potential HBM such as chlorofluoro carbons (CFC), polychlorinated biphenyl (PCB) in light ballasts and building materials, mercury-containing fluorescent tubes and/or thermostats. Waste designation was performed for construction debris based on total building demolition and toxicity characteristic leaching procedure (TCLP) analysis.

This survey consisted of a visual inspection, touching of suspect materials, and sample collection with analysis. As-built drawings were available and reviewed as part of the survey. Previous survey documentation was available and incorporated where appropriate; for ease of use, those report copies are not included in this report. Copies of the Asbestos Hazard Emergency Response Act (AHERA) building inspector certificates and Environmental Protection Agency (EPA) Lead-Based Paint accreditation for Region 10 are included in **Appendix A**.

Building Information

Photographic documentation of the buildings and their major systems described herein are provided in **Appendix B**.

Alder Wing

General and Structural

According to King County records, Alder Wing was constructed in 1951 as a youth living quarter (detention), cafeteria, gymnasium and hospital; based on our field observations, the building has had few modifications. Construction class is re-inforced concrete and is listed as having 90,792 gross/net square feet. Alder Wing is a concrete building on a concrete foundation with concrete walls, floors, and ceilings. It has a flat roof with built-up roofing and gravel ballast.

External components on the Alder Wing include un-painted concrete and brick walls, with steel-framed, wood sashed windows and older wood framed windows with various sealants and caulking.

First floor interior spaces include offices, classrooms, a lunchroom, laundry room, storage, gymnasium, and restrooms. The second floor spaces are mainly unoccupied rooms, such as detention cells, playrooms, control rooms, visiting area, medical rooms, janitor closet, and mechanical rooms. At the time of the survey, the second floor was used sparingly for records retention and the first floor occupied completely as offices and classrooms.

Heating/Mechanical/Plumbing System

Heating, ventilation, and air conditioning (HVAC) systems for Alder Wing consist of forced air mechanical systems located in two mechanical penthouse structures on the roof. Pipe systems in these rooms are wrapped with fiberglass insulation and hard mudded fittings. HVAC ducts have expansion gaskets located on the air handling units.

Ducts servicing the building interior run in concrete duct chases built into the roof system. These duct chases were not accessible during the survey.

There is a tunnel located under the building that provides mechanical system and domestic water piping systems to the various building modules. The tunnel entrance is located in the boiler room on the first floor of the Alder Tower. Hot, cold, circulation and steam pipes are wrapped with fiberglass insulation and troweled insulating cement on fittings, some hangars, and valves.

Abatement of asbestos insulating cement has occurred in the tunnels, mechanical closets, and ceiling plenums; however, most of the original systems remain, including most of the asbestos insulation.

Architectural Finishes

Ceilings

Ceiling substrates throughout are concrete due to the structural construction with concrete including the roof system. Various architectural ceiling finishes are also located in the building and include:

- First floor hallway ceilings are finished with gypsum and plaster. This ceiling is suspended with metal framework and hides mechanical systems. Access panels are dispersed throughout which were inspected during the survey.
- First floor offices, classrooms, etc., which are located off of the hallways, have tectum ceiling panels on the ceiling which are screwed into wood furring. Access above this material was not available due to the destructive nature required and the occupied state of the facility.

- Second floor hallway has tectum ceiling panels which are screwed into wood furring. There is a plenum above the ceiling with HVAC ducts and some piping. Access into the ceiling plenum was limited.
- Second floor offices in Module A were finished with popcorn ceiling texture.
- Second floor detention spaces were primarily painted concrete; however, some of the spaces in Module B and D, mechanical rooms, and restrooms were finished with gypsum/plaster.
- Gypsum wall board ceiling finishes were located in select areas of the second floor control rooms.

Walls

Most of the walls throughout the building consist of painted concrete. There are gypsum walls in control areas in all four modules and also various walls with gypsum in Module A office areas. The following conditions were observed:

- First floor hallway walls were primarily painted concrete.
- Second floor textured coatings were only observed in the control areas and Module A offices. Module A has an orange peel texture on concrete walls and some of the gypsum walls. There is between 1000 and 5,000 square feet of this material.
- Second floor control area in Module C has a heavy paint coating on wall paper/gypsum.
- Second floor walls in the control room have a wood panel at the top and some other walls in the living room areas have wood panel. These were checked in all modules for cement asbestos board (CAB); none was found.

Floor Systems

Substrates throughout both floors are concrete. Finish flooring materials consist of the following:

First floor. According to King County and verified through select sampling, most flooring throughout the first floor was replaced as part of flood damage repairs in the last 3 years and does not contain asbestos. There are select areas where the flooring was not replaced, i.e., ceramic floor tile in restrooms.

Second floor. Based on previous surveys, flooring throughout the second floor is assumed asbestos containing including the black mastic underneath. There are select areas where the tile is two layers but mostly it is one layer on concrete. Inspectors observed remnant black mastic in areas of newer tile so all of the flooring has been considered asbestos-containing.

- Flooring throughout is primarily 12- x 12-inch floor tile, there are 5 different styles.
- Cove base is all 4-inch and is primarily green or beige. There are select areas with other colors.

- Carpeting is adhered to concrete in the control room areas for each wing except select areas where it is glued to the floor tile. Rubber transition strips are located at the doors to the hallway and to the wing areas.

Alder Tower

General and Structural

According to King County records, Alder Tower was constructed in 1971 as an office and courtroom building with five floors. Construction class is re-inforced concrete and is listed as having 64,500 gross/net square feet. Alder Tower is a concrete building on a concrete foundation with concrete walls, floors, and ceilings. It has a flat roof with built-up roofing and gravel ballast.

Heating/Mechanical/Plumbing System

HVAC systems for Alder Tower consist of forced air mechanical systems located in roof top mechanical penthouse. Pipe systems throughout the building are wrapped with fiberglass insulation and troweled insulating cement on pipe fittings. HVAC ducts have expansion gaskets located on the air handling units.

The tunnel located under the building provides some of the mechanical system and domestic water piping systems to the building however, most of the pipe systems are located in the ceiling plenums and wall cavities throughout the building. The tunnel entrance is located in the boiler room on the first floor of the Alder Tower. Hot, cold, circulation and steam pipes are wrapped with fiberglass insulation and troweled insulating cement on fittings. Insulating cement was also observed on some hangers and valves.

Architectural Finishes

Ceilings

The primary ceiling systems throughout most of the building consists of suspended acoustical ceiling tiles. Restrooms and some offices have un-textured gypsum wallboard systems.

Walls

Finished walls throughout the building are constructed with typical gypsum wallboard systems without textured finishes. Exterior walls have Styrofoam glued to wood furring strips and the with gypsum secured to the system. The bathrooms, elevator, and stairwell walls are either concrete or cement masonry unit (CMU).

Floor Systems

Substrates throughout all floors are concrete. Finish flooring materials consist of the following:

1. Main restrooms on each floor are finished with ceramic floor tile. These systems rarely have asbestos content and were not sampled due to the destructive nature required to access the system. This will have to be sampled during demolition and likely will not result in asbestos content.
2. Original floor systems throughout the building consisted of 12- x 12-inch floor tile and black mastic; these were observed on every floor of the building. In some locations, the tile has been removed but the black mastic, tested in earlier reports as asbestos-containing, remains. Although carpeting has been installed on most of the floors, the tile remains underneath. Replacement tile has been installed in various locations but the quantity is minimal and therefore, floor tile and/or black asbestos mastic are assumed throughout each floor.
3. Sheet vinyl flooring was only used in the judges' chamber and courtroom staff restrooms.
4. The only stair system with stair treads was the main floor stairway to the first floor. The rest of the stairs were unfinished or coated with an epoxy material.

Asbestos Summary

The AHERA regulation, 40 Code of Federal Regulations (CFR) 763, is the primary governing regulation when performing asbestos surveys. This regulation was originally enacted for school buildings, but has since been applied to public and commercial buildings by the Asbestos School Hazard Abatement Reauthorization Act (ASHARA) in 1994 and by the Occupational Safety and Health Administration's (OSHA) worker protection regulations in 1995, specifically 29 CFR 1926.1101(k).

Puget Sound Clean Air Agency (PSCAA) also requires compliance with AHERA's survey and sampling requirements. This applies to any renovation or demolition activities where suspect asbestos-containing material (ACM) may be disturbed. PSCAA is a local agency that receives statutory authority from the EPA to enforce environmental regulations.

AHERA divides suspect ACM into three categories; "*surfacing materials*" (i.e., sprayed fireproofing, popcorn ceiling texture, etc.), "*thermal system insulation*" (TSI) (i.e., pipe or building insulation, etc.), and "*miscellaneous materials*" (i.e., flooring material, roofing, construction mastics, etc.). The Alder Wing and Alder Tower buildings located at 1211 East Alder Street were surveyed for these materials and sampled as required (307 samples collected; three were not analyzed for ACM). For a complete listing of suspect materials sampled, see **Appendix C**.

Sampling locations are indicated on the drawings in **Appendix D**.

Table 1. Summary of Asbestos-Containing Materials.

Material	Location	Friable	Quantity
ALDER WING			
Fire doors	Stairs and module main doors	Yes	30 EA
12- x 12-inch floor tile and mastic	Throughout second floor	No	18,040 SF
12- x 12-inch floor tile and mastic	Gymnasium restroom bottom layer	No	30 SF
Black asphaltic vapor barrier	Gymnasium foundation	No	92 SF
Handrail sealant at brick	South stairwell Module D	No	1 SF
Door caulking at concrete inset	Exterior doors first floor	No	8 EA
Gray window sealant at metal/concrete interface	Exterior windows (all)	No	260 EA
Exhaust duct sealant	Rooftop ventilation duct	No	40 LF
Vent seam sealant	Rooftop ventilation duct	No	16 LF
Metal vent caulking at drivit interface	Rooftop mechanical penthouse	No	40 LF
White sealant on vent cap/hatch	Rooftop vents & hatches	No	32 LF
Silver roof coating (remnant)	Rooftop vent	Yes	500 SF
Stick pin adhesive	2 nd floor mechanical room intake walls	No	392 SF
Stick pin adhesive	Rooftop penthouse duct work/fan room	No	1,632 SF
Stick pin adhesive	Rooftop mechanical plenums	No	3,355 SF
Gray (brittle) flange gasket	West penthouse HVAC duct	No	1 EA
Pipe fitting insulating cement	Crawlspace pipe fittings	Yes	257 EA
Pipe fitting insulating cement	2 nd floor pipe fittings, visible	Yes	15 EA
Pipe fitting insulating cement	2 nd floor pipe fittings concealed (estimated)	Yes	150 EA
Pipe fitting insulating cement	1 st floor pipe fittings, visible	Yes	5 EA
Pipe fitting insulating cement	1 st floor pipe fittings concealed (estimated)	Yes	350 EA
ALDER TOWER			
Silver roof coating (remnant)	Roof parapet flashing	Yes	250 SF
Pipe fitting insulating cement (4-inch)	Throughout building above ceiling tile and in wall cavities	Yes	2,024 EA
Pipe fitting insulating cement (6-inch)	Roof drain piping above ceiling tile on main and fifth floors	Yes	32 EA
Roof drain insulating cement	Roof drains above ceiling tile on main and fifth floors and in penthouse on roof		10 EA

Material	Location	Friable	Quantity
Carpet, floor tile and mastic	Main floor, third, fourth, and fifth floors and elevator floor	No	46,386 SF
Wall paneling mastic	Court rooms	No	5,180 SF
Yellow pattern sheet vinyl flooring	Judges Chamber Restrooms (3)	Yes	60 SF
Gray brittle wall/vent sealant	Rooftop wall/vent	No	25 LF
Ceramic wall tile adhesive (assumed)	Main restrooms; floors 1-5	No	1,600 SF
Fire doors (assumed)	Exterior and stairwells	Yes	20 EA

Note: This table is not to be used without the complete survey document including appendices for additional information.

Homogeneous material (HM) descriptions in the following text are provided to help correlate material descriptions provided in Appendix C.

ALDER WING MATERIAL DESCRIPTIONS

Surfacing Materials

Alder Wing Interior

- Popcorn ceiling texture (HM43). This material is located on the ceiling in the offices of Module A on the second floor. Five samples were collected for asbestos content; no asbestos was detected.
- Orange peel texture (HM44). This material is located on the walls of the offices of Module A on the second floor. Five samples were collected for asbestos content; no asbestos was detected.
- Wall paper paint coating (HM45). This material is located on the walls of the control room of Module C on the second floor of Alder Wing. Three samples were collected for asbestos content; no asbestos was detected.
- Plaster ceiling (HM47). This material is located in the hallways on the first floor and in the maintenance rooms and some of the detention rooms on the second floor. Seven samples were collected for asbestos content; no asbestos was detected.
- Skim coat on concrete walls (HM80). This material is located in the hallways on the first floor and in the stairwells. Seven samples were collected for asbestos content; no asbestos was detected.
- Orange peel texture (HM90). This material is located in the gymnasium storage room. Three samples were collected for asbestos content; no asbestos was detected.

Thermal System Insulation

Alder Wing Roof

- Fiberglass insulation (HM29). This material is located on the inside of the vents hatches on the roof. One sample was collected for asbestos content; no asbestos was detected.
- White flange gasket (HM73). This material is located on the interior of the east penthouse mechanical room. One sample was collected for asbestos content; no asbestos was detected.
- **Gray brittle flange gasket (HM74).** This material is located on the interior of the east penthouse mechanical room. One sample was collected for asbestos content; this material was found to contain 3% Chrysotile asbestos.
- Black flange gasket (HM75). This material is located on the interior of the east penthouse mechanical room. One sample was collected for asbestos content; no asbestos was detected.

Alder Wing Interior

- Fiberglass insulation wrap black adhesive 6-inch OD (HM52). This material is located on the fiberglass pipe insulation found throughout the Alder Wing. Five samples were collected for asbestos content; no asbestos was detected.

Miscellaneous Materials

Alder Wing Exterior

- Light gray wall panel sealant (HM1). This material is located on the exterior walls between concrete wall panels. Three samples were collected for asbestos content; no asbestos was detected.
- **Gray grout with vapor barrier (HM2).** This material is located between the brick and concrete walls on the exterior of the Alder Wing. Three samples were collected for asbestos content; no asbestos was found in the grout. The vapor barrier was found to contain 5% Chrysotile asbestos.
- Brick mortar (HM3). This material is located on the exterior brick walls. Three samples were collected for asbestos content; no asbestos was detected.
- Thin set (HM4). This material is located on the lower portion of some of the concrete walls where vents under windows used to be. Three samples were collected for asbestos content; no asbestos was detected.
- Ceramic tile mortar (HM5). This material is located on the east exterior wall behind colorful ceramic tiles. Two samples were collected for asbestos content; no asbestos was detected.

- Ceramic tile grout (HM6). This material is located on the east exterior wall between colorful ceramic tiles. Two samples were collected for asbestos content; no asbestos was detected.
- White caulking (HM7). This material is located on the south side, second floor exterior brick wall where the stair rail meets the brick wall. One sample was collected for asbestos content; this material was found to contain 2% Chrysotile asbestos.
- Black pipe penetration sealant (HM8). This material is located on the lower exterior wall. One sample was collected for asbestos content; no asbestos was detected.
- Brown door caulk (HM9). This material is located around Door 20 and other Alder Wing doors. Two samples were collected for asbestos content; no asbestos was detected.
- Gray door caulk (H10). This material is located around the 2nd floor doors of the East Alder Wing (doors 24 and 25) and door 20 in the courtyard area. Two samples were collected for asbestos content; no asbestos was detected.
- Gray brittle door sealant (HM11). This material is located around doors 22 and 23 in the courtyard area. Two samples were collected for asbestos content; no asbestos was detected.
- Gray chalky door caulk (HM12). This material is located around Door 26 and other doors of the Alder Wing. Two samples were collected for asbestos content; this material was found to contain 3-4% Chrysotile asbestos.
- Black door caulk (HM13). This material is located around door 20. One sample was collected for asbestos content; no asbestos was detected.
- Black window glazing on wood windows (HM14). This material is located on the exterior wood windows. Three samples were collected for asbestos content; no asbestos was detected.
- Soft brown window caulk (HM15). This material is located on the windows. Three samples were collected for asbestos content; no asbestos was detected.
- Hard brown window caulk (HM16). This material is located on the windows. Two samples were collected for asbestos content; no asbestos was detected.
- Gray window sealant (HM17). This material is located between the concrete wall and metal on the windows. Two samples were collected for asbestos content; this material was found to contain 5% Chrysotile asbestos.
- Black window caulk (HM18). This material is located on the metal windows. Two samples were collected for asbestos content; no asbestos was detected.
- Beige grout/thin set around windows (HM19). This material is located around select windows of the Alder Wing. Two samples were collected for asbestos content; no asbestos was detected.

- Foundation sealant (HM139). This material is located on the exterior concrete located on the north side of the gymnasium. Two samples were collected for asbestos content; no asbestos was detected.

Alder Wing Roof

- Roof core (HM20). This layered roofing material with black rubber membrane is located on the roof of the Alder Tower and boiler room roof and is the same material as the Alder Wing roof. Two samples were collected for asbestos content; no asbestos was detected.
- Exhaust duct sealant (HM21). This material is located on the exhaust ducts on the roof. Two samples were collected for asbestos content; this material was found to contain 2% Chrysotile asbestos.
- Vent seam sealant (HM22). This material is located around the wall vents of the penthouses. One sample was collected for asbestos content; this material was found to contain 2% Chrysotile asbestos.
- Vent caulk (HM23). This material is located around the wall vents of the penthouses. One sample was collected for asbestos content; this material was found to contain 2% Chrysotile asbestos.
- Drivit panel (HM24). This material is located on the exterior walls of the penthouses. Two samples were collected for asbestos content; no asbestos was detected.
- White sealant (HM25). This material is located on the vent cap/hatch areas on the roof. Three samples were collected for asbestos content; this material was found to contain 3% Chrysotile asbestos.
- Black vent to duct sealant (HM26). This material is located on the vents on the roof. Three samples were collected for asbestos content; no asbestos was detected.
- Vibration dampners (HM30). These materials are associated with the fans located on the roof. Two samples were collected for asbestos content; no asbestos was detected.
- Gypsum board with foil backing (HM71). This material is located on walls inside the penthouses and is the same HM as interior Alder Tower penthouse walls. Two samples from the Alder Wing penthouses and one sample from the north Alder Tower penthouse were collected for asbestos content; no asbestos was detected.
- Gray epoxy floor coating (HM72). This material is located on floors inside the Alder Wing penthouses and is the same HM as interior Alder Tower penthouse floors. Two samples from the Alder Wing penthouses and one sample from the north Alder Tower penthouse were collected for asbestos content; no asbestos was detected.

- Black Vibration dampner (HM51). This material is located on the interior of the east and west Alder Wing penthouse mechanical rooms, mechanical rooms on the 2nd floor of Alder Wing and is the same HM as in the interior of the north Alder Tower penthouse mechanical room. Six samples were collected for asbestos content; no asbestos was detected.
- Vapor barrier paper (HM70). This material is located between the GWB and drivit panels on the exterior walls of the penthouses. One sample was collected for asbestos content; no asbestos was detected.
- Stick pin adhesive (HM59). This material is located inside the duct systems of the Alder Wing penthouses. Two samples were collected for asbestos content; 5% Chrysotile asbestos was detected in both samples.

Alder Wing Interior Miscellaneous Materials

- Tectum ceiling panel (HM46). This material is located on the ceilings of the second floor hallway to modules A, B, C, and D and on ceilings on the first floor. Three samples were collected for asbestos content; no asbestos was detected.
- Green 4-inch cove base and adhesive (HM48). This material is located in Modules B, C, and D on the second floor. Three samples were collected for asbestos content; no asbestos was detected.
- Beige 4-inch cove base and adhesive (HM49). This material is located on hall walls on the second floor. Three samples were collected for asbestos content; no asbestos was detected.
- Carpet transition strip adhesive (HM50). This material is located between the hallway and entrance of Modules A, B, C, and D on the second floor. Three samples were collected for asbestos content; no asbestos was detected.
- Vibration dampener (HM51). This material is located in the mechanical rooms on the second floor. Three samples were collected for asbestos content; no asbestos was detected.
- Ceramic tile thin set and grout (HM53). This material is located in the showers on the second floor. Three samples were collected for asbestos content; no asbestos was detected.
- Tan carpet adhesive (HM54). This material is located under carpet on the second floor. Four samples were collected for asbestos content; no asbestos was detected.
- Sink undercoat (HM55). This material is located on the double sink in Module A on the second floor. One sample was collected for asbestos content; no asbestos was detected.
- Sink undercoat (HM56). This material is located on the single sink in Module A on the second floor. One sample was collected for asbestos content; no asbestos was detected.

- Tan floor waterproofing (HM57). This material is located in the small mechanical spaces in Modules A, B, C, and D on the second floor. Three samples were collected for asbestos content; no asbestos was detected.
- Fiberglass pipe penetration white debris (HM58). This material is only found in the mechanical room in Module B on the second floor. One sample was collected for asbestos content; no asbestos was detected.
- **Stick pin adhesive (HM59).** This material is located behind fiberglass insulation on doors and walls in the mechanical room B, C, and D on the second floor and also in the mechanical rooms on the roof (penthouses). Five samples were collected for asbestos content; this material was found to contain 5% Chrysotile asbestos.
- HVAC door sealant (HM60). This material is located in the mechanical rooms in Modules A, B, C, and D on the second floor. Three samples were collected for asbestos content; no asbestos was detected.
- Dark brown 4-inch cove base and adhesive (HM61). This material is located in Modules A, B, C, and D on the second floor. Two samples were collected for asbestos content; no asbestos was detected.
- Gray 4-inch cove base and adhesive (HM62). This material is located in Modules A and D on the second floor. Two samples were collected for asbestos content; no asbestos was detected.
- Light brown 4-inch cove base and adhesive (HM63). This material is located in the control room of Module A on the second floor. One sample was collected for asbestos content; no asbestos was detected.
- Red/brown 4-inch cove base and adhesive (HM64). This material is located in room 121 of Modules A on the second floor. One sample was collected for asbestos content; no asbestos was detected.
- Black 6-inch cove base and adhesive (HM65). This material is located in the entrance area of Module A on the second floor. One sample was collected for asbestos content; no asbestos was detected.
- Dark blue 4-inch cove base and adhesive (HM66). This material is located in the bathroom of Module C on the second floor. One sample was collected for asbestos content; no asbestos was detected.
- Concrete wall panel seam grout (HM67). This material is located throughout the first and second floor. Three samples were collected for asbestos content; no asbestos was detected.
- White with beige streaks 12- x 12-inch floor tile and black mastic (HM68). This material is located on the first floor of Alder Wing and on the south side first floor of Alder Tower. Two samples from Alder Wing and two samples from Alder Tower were collected for asbestos content; no asbestos was detected.

- Tan 4-inch cove base and adhesive (HM69). This material is located in Modules A, B, C, and D on the second floor. Two samples were collected for asbestos content; no asbestos was detected.
- Concrete wall panel seam grout (HM67). This material is located throughout the first and second floors. Three samples were collected for asbestos content; no asbestos was detected.
- 2- x 4-foot acoustical ceiling tile medium fissure with random pinhole pattern (HM81). This material is located throughout the first floor. Two samples were collected for asbestos content; no asbestos was detected.
- 2- x 4-foot acoustical ceiling tile medium fissure with random pinhole pattern (HM82). This material is located as a replacement tile on the first floor of Alder Tower and is the same HM as found in the first floor of Alder Wing. One sample was collected for asbestos content; no asbestos was detected.
- Liquid nail behind gypsum (HM83). This material is located behind gypsum wallboard in the women's restroom-south side first floor (only found in this location). One sample was collected for asbestos content; no asbestos was detected.
- Top layer floor tile-green (HM84). This 12- x 12-inch vinyl floor tile material is located in the gym restroom. One sample was collected for asbestos content; no asbestos was detected.
- **Bottom layer floor tile-beige (HM85).** This 12- x 12-inch vinyl floor tile material is located in the gym restroom. One sample was collected for asbestos content; the floor tile was found not to contain asbestos, but the black mastic was found to contain 3% Chrysotile asbestos.
- Entrance floor tile-beige (HM86). This 12- x 12-inch vinyl floor tile material is located in the gym restroom. One sample was collected for asbestos content; no asbestos was detected.
- Floor tile (HM87). This 12- x 12-inch vinyl floor tile material is located in the gym storage room. One sample was collected for asbestos content; no asbestos was detected.
- Brown 4-inch cove base and adhesive (HM88). This material is located in the gymnasium and gymnasium restroom. Two samples were collected for asbestos content; no asbestos was detected.
- Tan wall panel laminate adhesive (HM89). This material is located in the gym restroom. One sample was collected for asbestos content; no asbestos was detected.
- One inch ceramic tile grout/thin set (HM91). This material is located in the restrooms on the first floor of Alder Wing. Two samples were collected for asbestos content; no asbestos was detected.

- Wall laminate adhesive (HM92). This material is located in the restrooms on the first floor. Two samples were collected for asbestos content; no asbestos was detected.

ALDER TOWER MATERIAL DESCRIPTIONS

Surfacing Materials

Alder Tower Interior

- Skim coat on concrete walls (HM111). This material is located throughout all floors and exceeds 5,000 square feet. Seven samples were collected for asbestos content; no asbestos was detected.
- Fireproofing (HM120). This material is located on the first floor and visible in rooms 129, 123, and the hallway; there is less than 5,000 square feet. This material was installed as part of renovations and building construction for the newer detention facility. Five samples were collected for asbestos content; no asbestos was detected. Fireproofing was not found anywhere else in the building.
- Concrete coating (HM127). This material is located on stairwell stair walls throughout all floors and exceeds 5,000 square feet. Seven samples were collected for asbestos content; no asbestos was detected.

Thermal System Insulation

Alder Tower Roof

- Duct wrap patch (HM28). This material is located on the reddish brown vent on the roof south of the chiller system. One sample was collected for asbestos content; no asbestos was detected.
- Red duct jacket adhesive (HM76). This material is located on the interior of the north penthouse mechanical room. Two samples were collected for asbestos content; no asbestos was detected.

Alder Tower Interior

- Insulating cement on exposed fiberglass ends (HM106). This material is located on mechanical system pipe fittings and some hangers throughout the building and was previously sampled and determined asbestos-containing. Additionally, roof drain piping has a similar material and was not previously sampled; roof drain piping is located on the fifth floor and first floor. Three samples were collected for asbestos content; this material was found to contain 3% Chrysotile asbestos.

- Cellulose insulation at penetrations (HM125). This material is located at the plenum of Room 236 on the main floor. Three samples were collected for asbestos content; no asbestos was detected.

Miscellaneous Materials

Alder Tower Exterior

- Black flashing/sealant (HM77). This material is located on the east exterior wall sampled from the boiler room roof. One sample was collected for asbestos content; no asbestos was detected.
- Exterior gray window caulk (HM109). This material is located on exterior windows on all floors. Two samples were collected for asbestos content; no asbestos was detected.

Alder Tower Roof

- Silver roof coat (HM27). This remnant material is located on the southeast corner of the boiler roof and on the reddish brown vent on the roof south of the chiller system. Two samples were collected for asbestos content; this material was found to contain 3% Chrysotile asbestos.
- Roof core (HM33). This layered roofing material with white rubber membrane is located on the roof of the north penthouse and is the same as the chiller roof next to the Alder Wing. One sample was collected for asbestos content; no asbestos was detected.
- Black vent sealant (HM32). This material is located on the exhaust pipes on the roof of the boiler room associated with Alder Tower. One sample was collected for asbestos content; no asbestos was detected.
- Drivit panel (HM34). This material is located on the exterior walls of the penthouses on the roof. Three samples were collected for asbestos content; no asbestos was detected.
- Clear caulk (HM35). This material is located on the exposed opening between drivit panels on the north side of the north penthouse. There was only a small amount of this material identified. One sample was collected for asbestos content; no asbestos was detected.
- Beige wall vent sealant (HM36). This material is located on the wall vent of the north penthouse. One sample was collected for asbestos content; no asbestos was detected.
- Brittle gray wall vent sealant (HM37). This material is located on the wall vent of the north penthouse. One sample was collected for asbestos content; this material was found to contain 2% Chrysotile asbestos.

- Black flashing sealant (HM38). This material is located on the lower exterior walls of the south penthouse. One sample was collected for asbestos content; no asbestos was detected.
- White pipe penetration wrap (HM39). This material is located on the roof of the north penthouse. One sample was collected for asbestos content; no asbestos was detected.
- Vapor barrier paper (HM40). This material is located between the GWB and drivit panels on the exterior walls of the penthouses. One sample was collected for asbestos content; no asbestos was detected.
- Dark gray door caulk (HM41). This material is located on the exterior wall next to the south penthouse door. One sample was collected for asbestos content; no asbestos was detected.
- Light gray rubbery door caulk (HM42). This material is located around the south penthouse door. One sample was collected for asbestos content; no asbestos was detected.
- Gypsum board with foil backing (HM71). This material is located on walls inside the penthouses and is the same HM as interior Alder Wing penthouse walls. One sample from the north Alder Tower penthouse and two samples from the Alder Wing penthouses were collected for asbestos content; no asbestos was detected.

Alder Tower Interior

- Ceramic tile wall adhesive (HM93). This material is located in the main restrooms on every floor. Due to the destructive nature of sampling this material only one sample was collected for asbestos content; no asbestos was detected.
- Gray 4-inch cove base and adhesive (HM94). This material is located on the 1st, 2nd, and 4th floors. Three samples were collected for asbestos content; no asbestos was detected.
- Yellow carpet adhesive (HM95). This material is located under the carpet in the hallway. One sample was collected for asbestos content; the black residual mastic found with the yellow mastic was found to contain 3% Chrysotile asbestos however, the yellow carpet mastic did not contain asbestos.
- 3-inch ceramic floor tile grout/thin set (HM96). This material is located in the south side restrooms on the first floor. One sample was collected for asbestos content; no asbestos was detected.
- 2- x 2-foot medium fissure with random pinhole acoustical ceiling tile (HM97). This material is located on the suspended ceilings on the 3rd, 4th, and 5th floors. Five samples were collected for asbestos content; no asbestos was detected.

- Green carpet mastic (HM98) and yellow carpet mastic (HM99). These materials are located under carpeting. HM98 is found only on the 4th and 5th floors and HM99 is found on all floors. A total of six samples were collected for asbestos content; no asbestos was detected in any of the samples.
- Dark blue 4-inch cove base and adhesive (HM100). This material is located on the 5th floor. One sample was collected for asbestos content; no asbestos was detected.
- Green blue 4-inch cove base and adhesive (HM101). This material is located on the 5th floor. One sample was collected for asbestos content; no asbestos was detected.
- **White with green streaks 12- x 12-inch floor tile and black mastic under carpet (HM102).** This material is located on the 5th floor under carpeting next to the copy and break rooms. One sample was collected for asbestos content; the black mastic was found to contain 4% Chrysotile asbestos.
- **Green with green and white streaks 12- x 12-inch floor tile and black mastic (HM103).** This material is located in the copy and break room on the fifth floor. One sample was collected for asbestos content; the black mastic was found to contain 3% Chrysotile asbestos.
- Yellow transition strip mastic (HM104). This material is located on transitions between carpet and floor tile on the 5th floor and the west side offices of the main floor. Two samples were collected for asbestos content; no asbestos was detected.
- **Beige with reddish-brown streaks 12- x 12-inch floor tile and black mastic (HM105).** This material is located under carpeting on 4th and 5th floors as well as visible flooring on the 4th floor. Two samples were collected for asbestos content; floor tile was found to contain <1% asbestos, but the black mastic was found to contain 3%-5% Chrysotile asbestos.
- Fur strip glue on foam panels (HM107). This material is located on the outer building walls of all floors. Only two samples were collected for asbestos content due to the destructive nature necessary to access this material; no asbestos was detected.
- Foam panel adhesive (HM108). This material is located on the outer building walls of all floors. Only two samples were collected for asbestos content due to the destructive nature necessary to access this material; no asbestos was detected.
- Gray sink undercoat (HM110). This material is located in the break room of the 5th floor. One sample was collected for asbestos content; no asbestos was detected.
- Black sink undercoat (HM112). This material is located in the break room of the 4th floor. One sample was collected for asbestos content; no asbestos was detected.

- Untextured gypsum wallboard system (HM113). This material is located on all floors. Five samples were collected for asbestos content; this materials was found to contain <1% asbestos as a composite.
- Dark gray 4-inch cove base and adhesive (HM114). This material is located on the 2nd, 3rd, and 4th floors. Three samples were collected for asbestos content; one sample had <1% wall compound in the sample layer, however, no asbestos was detected in the cove base or the mastic.
- Gray epoxy floor coating (HM115). This material is located in the stairwells. One sample was collected for asbestos content; no asbestos was detected.
- HVAC sealant at metal joint (HM116). This material is located in the mechanical room on the west side of the first floor. Two samples were collected for asbestos content; no asbestos was detected.
- Beige 4-inch cove base and adhesive (HM117). This material is located in hallways on the west side of the first floor and on the main floor (2nd). Three samples were collected for asbestos content; no asbestos was detected.
- CMU paint (HM118). This material is located in the hallway on the west side of the first floor. Two samples were collected for asbestos content; no asbestos was detected.
- Gray 12-x 12-inch floor tile and tan adhesive (HM119). This material is only located at the entrance of Office 123 on the west side of the first floor. One sample was collected for asbestos content; no asbestos was detected.
- CMU grout (HM121). This material is located in Room 139 on the west side of the first floor. Two samples were collected for asbestos content; no asbestos was detected.
- Stair tread and mastic (HM122). This material is located in the stairwells. Two samples were collected for asbestos content; no asbestos was detected.
- 12-x 12-inch floor tile and adhesive (HM123). This black flooring material is located on the first floor stair landing. Two samples were collected for asbestos content; no asbestos was detected.
- Thin set and mastic (HM124). This flooring material is located outside court on the main (2nd) floor. One sample was collected for asbestos content; no asbestos was detected.
- Remnant mastic on concrete (HM126). This material is located above the office area ceiling plenum on the 3rd floor. One sample was collected for asbestos content; no asbestos was detected.
- Cementitious riser (HM128). This material is located on stair risers on the side wall of the stairwells. Two samples were collected for asbestos content; no asbestos was detected.

- White sink undercoat (HM129). This material is located in Court 2-3 secretary restroom on the main floor. One sample was collected for asbestos content; no asbestos was detected.
- Yellow pebble pattern sheet vinyl flooring (HM130). This material is located in Court 2-3 restroom and Court 4 restroom on the main floor. Three samples were collected for asbestos content; this material was found to contain 45-55% Chrysotile asbestos.
- Brown 4-inch cove base and adhesive (HM131). This material is located in Court 2-3 restroom and Court 4 restroom on the main floor. Two samples were collected for asbestos content; no asbestos was detected.
- Wall paneling mastic (HM132). This material is located in Court 3 on the main floor. Three samples were collected for asbestos content; this material was found to contain 3-5% Chrysotile asbestos.
- Confetti pattern sheet vinyl flooring (HM133). This material is located in Court 5 and Court 6 restrooms on the main floor. Two samples were collected for asbestos content; no asbestos was detected.
- 2- x 2-foot random fissure pattern acoustical ceiling tile (HM134). This material is located in the west side offices on the main floor. Two samples were collected for asbestos content; no asbestos was detected.
- 12- x 12-inch white floor tile and adhesive (HM135). This material is located in the lounge on the third floor. One sample was collected for asbestos content; no asbestos was detected.
- 12- x 12-inch Green floor tile and adhesive (HM31). This material is located in the lounge on the third floor. One sample was collected for asbestos content; no asbestos was detected.
- Green gasket (HM136). This material is located in the sprinkler/mechanical room on the first floor. Two samples were collected for asbestos content; no asbestos was detected.
- Pink gasket (HM137). This material is located in the sprinkler/mechanical room on the first floor. One sample was collected for asbestos content; no asbestos was detected.
- Gray sealant around duct (HM79). This material is located in the elevator room on the first floor. Two samples were collected for asbestos content; no asbestos was detected.
- Green sheet vinyl flooring (HM78). This material is located in the Court 1 restroom on the main floor. One sample was collected for asbestos content; the black asphaltic mastic found as a third sample layer was found to contain 3% Chrysotile asbestos.

Table 1 provides a summary of known or assumed asbestos materials identified in the building. These materials will need to be removed prior to building demolition. Table 2 below lists all suspect materials that have been determined non-asbestos.

Table 2. Summary of Suspect Materials Determined Non-Asbestos.

Material	Material
Alder Wing Exterior	
Light gray concrete wall panel sealant	Gray brittle door sealant
Brick mortar	Black door caulk
Thin set (lower walls)	Black window glazing
Ceramic tile mortar	Brown window caulk (wood and metal windows)
Ceramic tile grout	Brown window caulk (metal windows)
Black pipe penetration sealant	Black window caulk (wood framed metal windows)
Brown door caulk	Beige grout/thin set around windows
Gray door caulk	Foundation sealant
Alder Wing Roof	
Roof core with black rubber membrane	Black vapor barrier
Drivit panel-Alder Wing penthouses	Gypsum wallboard with foil backing
Black vent to duct sealant	Gray epoxy floor coating
Duct wrap patch on reddish brown vent	White flange gasket
Fiberglass insulation	Black flange gasket
Vent fan vibration dampener	Black vibration dampener
Alder Wing Interior	
Popcorn ceiling texture	Tan floor waterproofing
Orange peel texture	Fiberglass pipe penetration debris
Wall paper paint coating	HVAC door sealant
Tectum ceiling panel	4-inch dark brown cove base and adhesive-Alder Wing
Plaster ceiling	4-inch gray cove base and adhesive-Alder Wing
4-inch green cove base and adhesive	4-inch light brown cove base and adhesive-Alder Wing
4-inch beige cove base and adhesive	4-inch red/brown cove base and adhesive-Alder Wing
Carpet transition strip adhesive	6-inch black cove base and adhesive-Alder Wing
Vibration dampener	Concrete wall panel seam grout
Fiberglass paper adhesive	12- x 12-inch white with beige streaks floor tile and mastic
Ceramic tile thin set and grout	4-inch tan cove base and adhesive-Alder Wing

Material	Material
Tan carpet adhesive	Skim coat on concrete walls-Alder Wing
Sink undercoat-double sink	2- x 4-foot acoustical ceiling tile medium fissure with random pinhole
Sink undercoat-single sink	Orange peel texture-Alder Wing gym storage room
2- x 4-foot acoustical ceiling tile random pinhole pattern with few medium fissures-replacement tile	1-inch ceramic tile grout/thin set
Liquid nail behind gypsum	Wall laminate plastic adhesive
Green 12- x 12-inch floor tile Alder Wing gym restroom	4-inch brown cove base and adhesive-Alder Wing gym restroom
Beige entrance 12- x 12-inch floor tile Alder Wing gym restroom	Tan wall panel laminate adhesive
12- x 12-inch floor tile Alder Wing gym storage room	
Alder Tower Exterior	
Flashing sealant	Exterior gray window caulk
Alder Tower Roof	
Roof core with black rubber membrane	Light gray rubbery door caulk
Roof core with white rubber membrane	Gypsum wallboard with foil backing
Drivit panel-Alder Tower penthouses	Red duct jacket adhesive
Clear wall caulk	Gray epoxy floor coating
Beige wall vent sealant (thin)	Black vibration dampener
Black flashing sealant	Vapor barrier paper
White pipe penetration sealant	Dark gray door caulk
Black vent sealant on boiler roof pipe	
Alder Tower Interior	
Ceramic wall tile adhesive-Alder Tower	Gypsum wallboard system
4-inch gray cove base and adhesive-Alder Tower	4-inch dark gray cove base and adhesive
3-inch ceramic floor tile grout/thin set	Gray epoxy floor coating
2- x 2-foot acoustical ceiling tile medium fissure with random pinhole-Alder Tower	HVAC sealant at metal joint
Green carpet mastic	4-inch beige cove base and mastic
Yellow carpet mastic	CMU paint
4-inch dark blue cove base and adhesive-Alder Tower	Gray 12- x 12-inch floor tile and tan mastic
4-inch green/blue cove base and adhesive-Alder Tower	Fireproofing
Yellow transition strip mastic-Alder Tower	CMU grout
Fur strip glue on foam panels	Stair tread and mastic

Material	Material
Foam panel adhesive	12- x 12-inch floor tile and mastic
Gray sink undercoat-Alder Tower	Thin set and mastic
Skim coat on concrete walls	2- x 2-foot acoustical ceiling tile random fissure pattern
Black sink undercoat	12- x 12-inch white floor tile and mastic
Cellulose insulation at penetrations	12- x 12-inch green floor tile and mastic
Remnant mastic on concrete	Green gasket
Concrete coating	Pink gasket
Cementitious riser	Gray sealant around duct
White sink undercoat	4-inch brown cove base and mastic
Confetti pattern sheet vinyl flooring	

Note: This table is not to be used without the complete survey document including appendices for additional information.

Lead-Based Paint Summary

Lead was commonly used in most paint products until 1978, when it was banned from residential paints at concentrations greater than 600 parts per million (ppm); however, commercial applications with lead were still utilized and are still available. Lead is poisonous to the human body and presents a potential health hazard during any kind of disturbance (such as maintenance, including grinding, welding, and cutting) and if improperly disposed, where lead can enter drinking water supplies.

EPA defines lead-based paint as a concentration of 1.0 milligram per centimeter squared (mg/cm^2) or greater by X-Ray fluorescence (XRF) or 0.5 percent by weight or greater by total lead analysis (equivalent to 5,000 ppm). This EPA action level triggers requirements for protection of the environment, maintenance workers, and building occupants. It also triggers training and certification requirements for inspectors, project designers, contractors, supervisors, and workers. Although the training requirements only apply to certain residential structures at this time, they could apply to this type of property sometime in the future.

The Washington Industrial Safety and Health Administration (WISHA) worker protection regulations has not defined a minimum concentration for regulating lead, and has clarified that lead at any detectable concentration shall be considered regulated (Washington Administrative Code [WAC] 296-155-176, Lead).

Lead in Painted Surfaces

Interior and exterior painted surfaces were tested for lead-based paint (LBP) using bulk sample collection and chemical analysis. A total of 28 paint chip samples were collected. Analytical results are provided in Table 3.

Table 3. Summary of Bulk Paint Chip Sample Results.

Sample Number	Location	Component	Substrate	Color	Result (% wt*)
7258.4-JH-001LBP	Alder wing 2nd floor Module A	Wall	Concrete	Beige	0.11
7258.4-JH-002LBP	Alder wing 2nd floor Module B	Wall	Concrete	Beige	0.028
7258.4-JH-003LBP	Alder wing 2nd floor Module C	Wall	Concrete	Beige	0.023
7258.4-JH-004LBP	Alder wing 2nd floor Module D	Wall	Concrete	Beige	0.015
7258.4-JH-005LBP	Alder wing 2nd floor hallway	Wall	Concrete	Beige	0.025
7258.4-JH-006LBP	Alder wing, 2 nd floor Module D	Wall	Gypsum	Beige	<0.010
7258.4-JH-007LBP	Alder wing, 2nd floor Module B	Wall	Gypsum	Beige	0.12
7258.4-JH-008LBP	Alder wing, 2 nd floor hall C	Door	Wood	Beige	<0.018
7258.4-JH-009LBP	Alder wing, 2 nd floor hall D	Door	Wood	Beige	<0.020
7258.4-JH-010LBP	Alder wing, 2 nd floor hall B	Door	Wood	Blue	<0.046
7258.4-JH-011LBP	Alder wing, 2 nd floor hall A	Door	Wood	Blue	<0.032
7258.4-JH-012LBP	Alder wing, 1st floor hall	Wall	Concrete	Beige	0.014
7258.4-JH-013LBP	Alder wing, 1st floor hall	Ceiling	Plaster	Beige	0.015
7258.4-JH-014LBP	Alder wing, 1 st floor gym	Wall	Concrete	Beige	<0.010
7258.4-JH-015LBP	Alder tower, 4th floor	Wall	Gypsum	Beige	0.030
7258.4-JH-016LBP	Alder tower, 4 th floor stair	Floor	Concrete	Gray	<0.015
7258.4-JH-017LBP	Alder tower, 4th floor stair	Wall	Concrete	White	0.037
7258.4-JH-018LBP	Alder tower, 1 st floor telephone room	Wall	Concrete	White	<0.012
7258.4-JH-019LBP	Alder tower, 1 st floor maintenance	Wall	Concrete	White	<0.014
7258.4-JH-020LBP	Alder tower, 1 st floor telephone room	Wall	Gypsum	White	<0.025
7258.4-JH-021LBP	Alder tower, 1 st floor	Floor	Concrete	Gray	<0.010
7258.4-JH-022LBP	Alder tower, main floor	Wall	Gypsum	White	<0.022
7258.4-JH-023LBP	Alder tower, main floor	Column	Concrete	White	<0.025
7258.4-JH-024LBP	Alder tower, main stairwell	Wall	Concrete	White	0.049
7258.4-JH-025LBP	Alder tower, third floor	Wall	Gypsum	White	<0.010
7258.4-JH-026LBP	Alder tower, third floor	Column	Concrete	White	0.073
7258.4-JH-027LBP	Alder tower, third floor	Wall	Concrete	White	<0.010
7258.4-JH-028LBP	Alder wing, windows	Window	Wood	Green	0.45

% wt = percent lead by weight of sample. **Bolded values** – bulk paint chip samples with lead detected above the laboratory reporting limit have been bolded. The Washington Industrial Safety and Health Administration (WISHA) worker protection regulations have stated that lead at any detectable concentration shall be considered regulated (Washington Administrative Code [WAC] 296-155-176, Lead.

Waste Designation Survey

Waste designation sampling has been performed for the two buildings including Toxicity Characteristic Leaching Procedure (TCLP) analytical sampling of building components. The TCLP procedure is used to simulate the transfer of lead from lead-containing waste into the ground water system upon co-disposal of the lead-containing waste and municipal solid waste in unlined solid waste land fills. The TCLP attempts to simulate rain or ground water leaching, or both, of lead from the buried waste. In order for the

procedure to yield an accurate predictor of the subsurface (in-ground) leaching process, a representative sample of the volume of the waste must be selected and submitted for leaching and analysis. The result of the sampling, leaching, and analysis process is used to determine the waste handling and disposal protocols to be followed and to document compliance with applicable laws, regulations, and requirements.

Med-Tox Northwest provided a TCLP Sample and Analysis Plan (SAP) as part of this work that defines the samples, building component breakdown for each sample, and procedures for sampling activities. The TCLP SAP was prepared in accordance with ASTM TCLP Standard E1908-97 except waste was calculated using estimated weights versus volume calculations.

A visual inspection of the survey area was conducted to separate the major components of the structures to be demolished into two categories:

- **Recyclables.** It is anticipated that many of the metal items (i.e., metal piping, tanks, door frames, doors, handrails, flashing, aluminum window frames, etc.) and un-painted clean concrete materials in the survey area will be recycled or reused. These items were not tested for waste pre-designation. Additionally, glass is recyclable and not included in the waste designation survey.
- **Potential Wastes.** Items that are not likely to be recycled were sampled and tested for waste pre-designation. Since it is likely that the waste identified on this project will not be segregated and disposed separately, composite samples were collected and tested from the structures to be demolished. Waste categories identified are detailed in the SAP.

WAC 173-303 Dangerous Waste Regulations defines hazardous waste as it relates to lead by toxicity as 5.0 mg/L by TCLP. TCLP sampling results will be presented in a separate document.

Other Hazardous Building Materials

Chlorofluoro Carbons

Med-Tox Northwest inspected the building for cooling systems with potential chlorofluoro-carbons. Alder Wing did not have cooling systems in the HVAC system and no portable air conditioners were observed in the building. Alder Tower does have a cooling system on the roof which is assumed to contain chlorofluor-carbons. This system will require a specialty contractor to capture and recycle the coolant.

PCB Light Ballasts and Fluorescent Light Tubes

Older fluorescent light ballasts have small capacitors that may contain high concentrations of polychlorinated biphenyls (PCB). Nearly all ballasts manufactured before 1979 contain PCBs. All ballasts manufactured after July 1, 1978 that do not contain PCBs are required to be clearly marked "No PCBs". Unmarked ballasts or ballasts without a date code should be assumed to be PCB ballasts. PCBs are toxic chemicals according to the EPA. While there is only a small amount, about one ounce, of PCBs in each light ballast capacitor, there are a large number of ballasts in the United States. About half of the one billion ballasts, estimated as currently installed, were manufactured before 1979 and usually contain PCBs. Ballasts manufactured after 1978 may contain a PCB replacement called Di (2-ethylhexyl) phthalate (DEHP), a probable human carcinogen. In any case, ballasts should not be disassembled for disposal but collected and sent to a certified recycling/disposal facility.

Fluorescent light fixtures were observed throughout the building. These fixtures were not inspected for the presence of PCB light ballasts due to being in use and the likelihood that many have been replaced since 1971. Determining how many fluorescent lights actually contain PCB ballasts can only be verified during demolition. Therefore, all light fixtures are assumed to contain PCB light ballasts; light tubes are assumed to contain mercury:

Table 4. Summary of Fluorescent and Exit Lights.

Location/floor	4-foot, 4-bulb	4-foot, 3-bulb	4-foot, 2-bulb	4-foot, 1-bulb	2-foot, 2-bulb	2-foot, 4-bulb	Exit lights
Alder wing, second floor	0	6	122	0	42	10	12
Alder wing, first floor	98	0	146	0	0	54	8
Alder tower, 5 th floor	0	0	14	0	310	0	7
Alder tower, 4 th floor	0	0	14	0	275	0	7
Alder tower, 3 rd floor	0	0	15	2	260	0	7
Alder tower, main floor	0	0	178	0	65	0	8
Alder tower, 1 st floor	0	0	41	11	1	0	1
Total	98	6	531	13	953	55	50

Typically, there is one ballast for every two light tubes in a fluorescent light fixture; accordingly, there are approximately 1,762 ballasts in the light fixtures between the two buildings requiring recycling or PCB hazardous waste disposal. There are also approximately 1,483 four-foot light tubes and 2,162 two-foot tubes that will need to be recycled during demolition.

PCB in Caulking and Paint

PCB were used in paint and caulk formulations as drying oils (resins) and plasticizers or softening agents (liquids). Concrete surfaces and equipment, as

well as marine or waterproofing applications, used at Federal installations and in the manufacturing and industrial sectors may have painted surfaces contaminated with PCBs.

PCBs were tested in representative caulking, paints, and sealants on the interior and exterior of the Alder Wing and Tower. Table 5 below provides a summary of PCB sample results.

Table 5. Summary of PCB Sample Results.

Sample Number	Location	Material	Result (mg/kg*)
7258.4-JH-01PCB	Alder wing, 2 nd floor hall wall	Beige paint on concrete	<1.8
7258.4-JH-02PCB	Alder wing, 2 nd floor Module B wall	Beige paint on concrete	<1.8
7258.4-JH-03PCB	Alder wing, west stairwell	White paint on concrete	39 24
7258.4-JH-04PCB	Alder wing, roof	Caulk on white membrane	16
7258.4-JH-05PCB	Alder wing, roof mechanical chase	Vent hatch sealant	<1.3
7258.4-JH-06PCB	Alder wing, 1 st floor hallway	Paint on concrete	2.2
7258.4-JH-07PCB	Alder wing, 1 st floor lunch room	Paint on gypsum	<1.2
7258.4-JH-08PCB	Alder tower, 4 th floor stairwell	Gray paint on concrete floor	4.7 4.1
7258.4-JH-09PCB	Alder tower, exterior	Gray concrete caulk	2.5
7258.4-JH-10PCB	Alder tower, exterior	Brown window caulk	<1.7
7258.4-JH-11PCB	Alder tower, exterior	Concrete panel caulk	9.6
7258.4-JH-12PCB	Alder tower, exterior	Window caulk	150,000
7258.4-JH-13PCB	Alder tower, mechanical penthouse	Caulk on drivit panel	<4.5
7258.4-JH-14PCB	Alder tower, mechanical penthouse	Black penetration caulk	<1.5
7258.4-JH-15PCB	Alder tower, stairwell wall	White paint on concrete	5.0
7258.4-JH-16PCB	Alder wing, exterior	Gray concrete caulk	<1.0
7258.4-JH-17PCB	Alder wing, exterior	Gray concrete caulk	1.3
7258.4-JH-18PCB	Alder tower, west wing	Gray concrete caulk	<0.32

Bolded values – samples with PCB detected above 100 mg/kg are state persistent wastes and samples above 10,000 mg/kg are extremely hazardous wastes. These will require removal and disposal in accordance with WAC 296-841 and WAC 173-303.

Mercury Containing Switches

Heating system thermostats were investigated for mercury containing systems. Dismantled thermostats did not reveal any suspect mercury-containing materials.

Laboratory Analytical Methods

Asbestos-Containing Materials

Bulk samples were analyzed by Polarized Light Microscopy (PLM) dispersion staining EPA Method 600/R-93/116 by MTNW. MTNW is accredited through the National Voluntary Laboratory Accreditation Program (NVLAP) of the U. S. Department of Commerce. This accreditation does not constitute endorsement, but rather a finding of laboratory competence. The NVLAP participant number is 102021 (certification in **Appendix E**). Copies of the laboratory analytical reports are provided in **Appendix F**.

Lead-Based Paint and TCLP

Bulk paint chip samples were submitted to EMSL Analytical, Inc., for analysis. A total of 28 paint chip samples were analyzed for lead using atomic absorption spectroscopy (AAS) to determine the presence and percentage of lead. Procedures for analyzing metals are found in the American Society of Testing and Materials (ASTM) D-3335-78 and EPA Method Manual SW-846, Method 6010. Analytical results are provided in **Appendix G**. EMSL Analytical, Inc., laboratory certification is attached in **Appendix H**.

PCBs

Bulk paint chip and caulk samples were submitted to EMSL Analytical, Inc. for analysis using gas chromatography (GC) equipped with electron capture detectors (ECD). A total of 18 samples were analyzed using EPA Method SW-846 8081/8082. Analytical results are provided in **Appendix I**.

Comments and Recommendations

Asbestos-Containing Materials

Med-Tox Northwest recommends that this survey report be placed on-site during renovation and/or demolition and copies provided to the contractor(s) bidding and performing work. WISHA, OSHA and PSCAA require that the report be on-site and available for review during the entire project duration.

Additional destructive investigation and sampling will be required prior to and during demolition activities including the following:

1. Inspect each door to verify no suspect fire protection is located inside.
2. The number of fittings with asbestos insulating cement has been estimated based on visual observations and review of as-built drawings. The actual number will require verification during demolition and adjustments made to the asbestos abatement contract based on unit pricing.
3. The quantity of stick pin adhesive is based on square footage of duct systems including visual observation and review of as-built drawings. The actual square footage will require verification during demolition and adjustments made to the asbestos abatement contract based on unit pricing.
4. Inspect and sample electrical wiring/systems once the power has been terminated.
5. Perform additional inspection and testing of ceramic wall and floor tiles in restrooms of both buildings.
6. Perform destructive investigation inside wall and ceiling cavities to verify suspect asbestos is not hidden or present and ensure all troweled fittings are abated prior to demolition.
7. Based on visual observation, Med-Tox Northwest has assumed the asbestos felt at the base of the gymnasium east wall was installed over the foundation stem wall before the wall was constructed; it was not observed anywhere else on the Alder Wing building. This will require verification to ensure this material is not located elsewhere on the gymnasium and that the material is as assumed.
8. Med-Tox Northwest attempted to verify the method of tectum ceiling panel anchors into wood framing other than screws. No visual evidence of glue was present during the survey however, destructive investigation could not be

performed. Prior to demolition this will require verification and if glue is present, sampling by an AHERA accredited building inspector.

Med-Tox Northwest recommends requesting unit pricing from abatement contractors during the bidding process to adjust pricing depending on actual quantities verified in the field.

Lead-Based Paint

All painted surfaces should be assumed to contain at least trace levels of lead in paint, therefore requiring compliance with WAC 296-155-176 during any disturbance of painted surfaces. This requirement will apply to all construction trades, unless painted surfaces are removed during demolition activities, which is typically cost prohibitive.

TCLP sample results will be submitted with the SAP under separate documentation.

PCB

PCB-containing window caulking on the Alder Tower will require abatement and disposal as an extremely hazardous waste (trigger is 10,000 mg/kg). Med-Tox Northwest also recommends testing concrete surfaces surrounding the caulking material and soils at the base of the building as these are likely contaminated from the PCB caulking although more likely as a state persistent waste. Reporting and consultation with the Department of Ecology may be required, depending on soil sampling results.

King County will need to obtain an EPA/State identification number for legal disposal of PCB's and the hazardous waste manifest in accordance with 40 CFR 761.50, 40 CFR 761.62, and WAC 173-303. Additionally, work procedures for proper removal and protection of workers should be provided to contractors in accordance with WAC 296-155 and WAC 296-841.

During demolition, the asbestos abatement contractor should be tasked with dismantling light fixtures, checking for PCB-free labels, and recycling the light tubes. Ballasts without PCB-free labels are considered PCB-containing and must be disposed as a hazardous waste; all other light ballasts can be recycled.

Other Hazardous Building Materials

During demolition, the asbestos abatement contractor should be tasked with dismantling light fixtures, checking for PCB-free labels, and recycling the light tubes. Ballasts

without PCB-free labels are considered PCB-containing and must be disposed as a hazardous waste; all other light ballasts can be recycled. Additionally, light tubes can be recycled as a universal waste for minimal cost.

HVAC coolant will require recycling prior to demolition.

Fluorescent light tubes contain mercury and can be recycled as a universal waste for minimal cost. High intensity discharge (HID), mercury vapor, exit lights, and smoke detectors should be collected and recycled/disposed appropriately.

Limitations

A good faith effort has been made to identify ACM, LBP, and other HBM in the Alder Wing and Alder Tower Demolition Project. This survey was performed for complete demolition of the building however, the building was occupied during the survey.

Sampling was performed consistent with the level of care and skill ordinarily exercised by professionals currently practicing under similar conditions in the area. No other warranty, expressed or implied, is made.

This report has been prepared for the exclusive use of King County and its designates for this project only. The analyses, conclusions, and recommendations presented in this report are based on conditions encountered at the time of our study and our experience and judgment. Med-Tox Northwest cannot be held responsible for interpretation by others of the data contained in this report; any use of this report shall include the entire document. This survey is not intended for use as abatement plans and/or specifications.

Appendix A

AHERA Building Inspector and Lead-Based Paint Inspector Certificates

Certificate of Completion

This is to certify that

Jon Havelock

has satisfactorily completed
4 hours of refresher training as an
Asbestos Building Inspector
to comply with the training requirements of
TSCA Title III / 40 CFR 763 (AHERA)

Certificate Number: 103743


Instructor

EPA Provider Cert. Number: 1085



Aug 12, 2009

Date(s) of Training

Exam Score: NA

Expiration Date: Aug 12, 2010

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927

STATE OF WASHINGTON

Department of Community, Trade and Economic Development
Lead-Based Paint Program

Jon A. Havelock

*Has fulfilled the certification requirements of Washington Administrative
code (WAC) 365-230 and has been certified to conduct lead-based paint
activities pursuant to WAC 365-230-200 as a:*

Risk Assessor

Certification #	Issuance Date	Expiration Date
0241	10/19/2007	12/3/2010

Certificate of Completion

This is to certify that

Anthony Fullerton

has satisfactorily completed
4 hours of refresher training as an

Asbestos Building Inspector

to comply with the training requirements of
TSCA Title III / 40 CFR 763 (ABEBA)

Certificate Number: 10303855


Instructor

EPA Provider Cert. Number: 1085



Feb 11, 2009

Date(s) of Training

Exam Score: NA

Expiration Date: Feb 11, 2010

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927

STATE OF WASHINGTON

Department of Community, Trade and Economic Development
Lead-Based Paint Program

Anthony Fullerton

Has fulfilled the certification requirements of Washington Administrative code (WAC) 365-230 and has been certified to conduct lead-based paint activities pursuant to WAC 365-230-200 as a:

Risk Assessor

Certification #	Issuance Date	Expiration Date
0242	5/16/2008	4/3/2011

Certificate of Completion

This is to certify that

Brady A. Hanson

has satisfactorily completed
24 hours of training as an

Asbestos Building Inspector

to comply with the training requirements of
US EPA Title III / 40 CFR 763 (ASBESTOS)

Certificate Number: 1030512

Instructor

EPA Provider Cert. Number: 1085



Apr 22 - 24, 2009

Date(s) of Training

Exam Score:

96%

Expiration Date: Apr 24, 2010

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927

Certificate of Completion

This is to certify that

Ingrid M. Holznagel

has satisfactorily completed
24 hours of training as an

Asbestos Building Inspector

to comply with the training requirements of
TSCA Title III / 40 CFR 763 (AHERA)

Certificate Number: 104187



Aug 31 - Sep 2, 2009

Date(s) of Training

Exam Score: **96%**

Expiration Date: Sep 2, 2010

Argus Pacific, Inc. • 1900 W. Nickerson, Suite 315 • Seattle, Washington • 98119 • (206) 285.3373 • fax (206) 285.3927

Instructor

EPA Provider Cert. Number: 1085

Appendix B

Building and Asbestos Materials

Photographic Documentation



Photo 1. King County Juvenile Court sign, north side of Alder Tower



Photo 2. Alder Tower building



Photo 3: West Alder wing, east side looking south



Photo 4. West Alder wing, North wall looking west



Photo 5. West Alder wing, east wall looking southwest



Photo 6. East Alder wing, northeast corner looking south



Photo 7. East Alder wing, east wall looking southwest



Photo 8. Back of east Alder wing looking northwest



Photo 9. Side view of Alder Tower looking west (Alder wings in forefront)



Photo 10. Front of Alder Tower building looking southeast



Photo 11. Side view of Alder Tower building looking east



Photo 12. View of Alder wings rooftop with east and west penthouses



Photo 13. ACM gray chalky door caulk - Alder Wing.



Photo 14. Gray grout with ACM vapor barrier paper (brick to concrete)



Photo 15. Brick mortar and ACM white rail-to-brick caulking-East Alder wing



Photo 16. ACM gray window glazing (between concrete and metal) on various exterior Alder wing windows



Photo 17. ACM silver paint on reddish brown vent on roof-Alder Tower



Photo 18. Alder roof looking southeast at raised duct chase



Photo 19. ACM exhaust duct sealant, vent seam sealant, and vent caulk, Alder Wing roof



Photo 20. ACM white sealant on vent hatch



Photo 21. North penthouse/mechanical room on Alder Tower



Photo 22. North penthouse of Alder Tower, south wall vent sealants (thin beige and ACM brittle sealant)



Photo 23. ACM stick pin adhesive on mechanical room door-Alder Wing

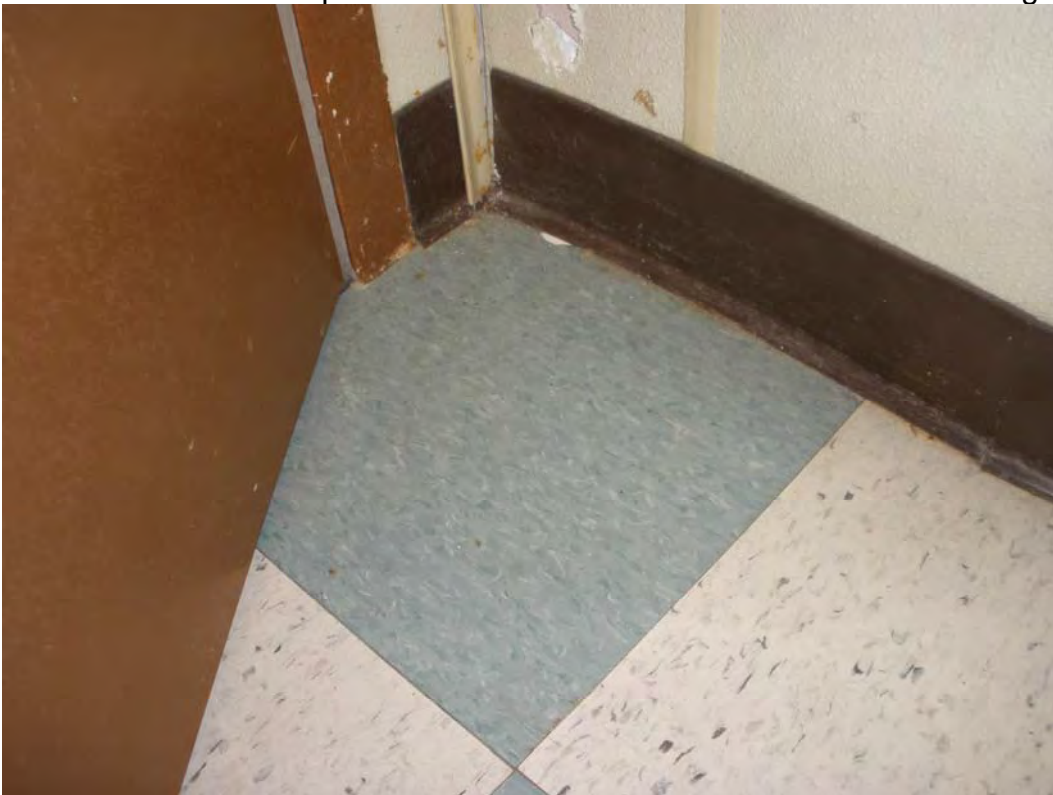


Photo 24. ACM black mastic under 2nd layer beige floor tile-Gym restroom Alder Wing



Photo 25. ACM black residual mastic under yellow carpet mastic- 1st floor Alder Tower



Photo 26. ACM black residual mastic under three types of 12-inch vinyl floor tiles- Alder Tower



Photo 27. ACM insulating cement on exposed fiberglass pipe insulation ends, roof drain pipe on 5th floor Alder Tower-interior wall between restrooms



Photo 28. ACM yellow pebble pattern SVF-Alder Tower main floor Court 2-3 restrooms



Photo 29. ACM wall panel mastic-Alder Tower main floor Court 3 restroom



Photo 30. ACM green SVF-Alder Tower main floor Court 1 restroom

Appendix C

Summary of Materials Sampled for Asbestos

Sample	Material	Location	AHERA Type	HM	Result
ALDER WING EXTERIOR					
7258.4-JH-001	Light gray concrete wall panel sealant	South wall, east Alder wing	Miscellaneous	1	ND
7258.4-JH-002	Light gray wall panel sealant	Southeast wall, east Alder wing	Miscellaneous	1	ND
7258.4-JH-003	Light gray wall panel sealant	West wall, east Alder wing	Miscellaneous	1	ND
7258.4-JH-004	Gray grout with vapor barrier (brick to concrete)	North wall, east Alder wing gymnasium	Miscellaneous	2	ND 5% Chrysotile
7258.4-JH-005	Gray grout with vapor barrier (brick to concrete)	North wall, east Alder wing gymnasium	Miscellaneous	2	ND 5% Chrysotile
7258.4-JH-006	Gray grout with vapor barrier (brick to concrete)	North wall, east Alder wing gymnasium	Miscellaneous	2	ND 5% Chrysotile ND
7258.4-JH-007	Brick mortar	North wall, east Alder wing	Miscellaneous	3	ND
7258.4-JH-008	Brick mortar	East wall, west Alder wing (courtyard)	Miscellaneous	3	ND
7258.4-JH-009	Brick mortar	North wall, west Alder wing	Miscellaneous	3	ND
7258.4-JH-010	Thin set-lower wall	East wall, west Alder wing (courtyard)	Miscellaneous	4	ND
7258.4-JH-011	Thin set-lower wall	East wall, east Alder wing	Miscellaneous	4	ND
7258.4-JH-012	Thin set-lower wall	West wall, east Alder wing (courtyard)	Miscellaneous	4	ND
7258.4-JH-013	Ceramic tile mortar	East wall, east Alder wing	Miscellaneous	5	ND
7258.4-JH-014	Ceramic tile mortar	East wall, east Alder wing	Miscellaneous	5	ND
7258.4-JH-015	Ceramic tile grout	East wall, east Alder wing	Miscellaneous	6	ND
7258.4-JH-016	Ceramic tile grout	East wall, east Alder wing	Miscellaneous	6	ND
7258.4-JH-017	White rail-to-brick caulking	South wall, upper level, east Alder wing	Miscellaneous	7	2% Chrysotile

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-018	Black pipe penetration sealant	Pipe on east wall, east Alder wing	Miscellaneous	8	ND
7258.4-JH-019	Brown door caulk	Door 20, Alder courtyard	Miscellaneous	9	ND
7258.4-JH-020	Brown door caulk	Door 20, Alder courtyard	Miscellaneous	9	ND
7258.4-JH-021	Gray door caulk	North wall door, upper level door, east wing	Miscellaneous	10	ND
7258.4-JH-022	Gray door caulk	East wall door, west Alder wing (courtyard)	Miscellaneous	10	ND
7258.4-JH-023	Gray brittle door sealant	Door 22, Alder courtyard	Miscellaneous	11	ND
7258.4-JH-024	Gray brittle door sealant	Door 23, Alder courtyard	Miscellaneous	11	ND
7258.4-JH-025	Gray chalky door caulk	North wall door, east Alder wing, ground level	Miscellaneous	12	ND
7258.4-JH-026	Gray chalky door caulk	East wall door, west Alder wing (courtyard)	Miscellaneous	12	3% Chrysotile
7258.4-JH-027	Black door caulk	East wall door, west Alder wing (courtyard)	Miscellaneous	13	4% Chrysotile
7258.4-JH-028	Black window glazing (older wood windows)	East window, west Alder wing (courtyard)	Miscellaneous	14	ND
7258.4-JH-029	Black window glazing (older wood windows)	East window, west Alder wing (courtyard)	Miscellaneous	14	ND
7258.4-JH-030	Black window glazing (older wood windows)	East window, west Alder wing (courtyard)	Miscellaneous	14	ND
7258.4-JH-031	Brown window caulk (wood and metal windows)	East window, west Alder wing (courtyard)	Miscellaneous	15	ND
7258.4-JH-032	Brown window caulk (wood and metal windows)	East window, west Alder wing (courtyard)	Miscellaneous	15	ND
7258.4-JH-033	Brown window caulk (wood and metal windows)	East window, southeast Alder wing	Miscellaneous	15	ND
7258.4-JH-034	Brown window caulk (metal windows)	West window, east Alder wing (courtyard)	Miscellaneous	16	ND
7258.4-JH-035	Brown window caulk (metal windows)	West window, east Alder wing (courtyard)	Miscellaneous	16	ND
7258.4-JH-036	Gray window sealant (between concrete and metal)	Southeast window, east Alder wing	Miscellaneous	17	5% Chrysotile
7258.4-JH-037	Gray window sealant (between concrete and metal)	Northeast window, east Alder wing	Miscellaneous	17	5% Chrysotile
7258.4-JH-038	Black window caulk (wood framed	East window, west Alder	Miscellaneous	18	ND

Sample	Material	Location	AHERA Type	HM	Result
	metal window)	wing (courtyard)			
7258.4-JH-039	Black window caulk (wood framed metal window)	East window, west Alder wing (courtyard)	Miscellaneous	18	ND
7258.4-JH-040	Beige grout/thin set around windows	East window, east Alder wing	Miscellaneous	19	ND
7258.4-JH-041	Beige grout/thin set around windows	East window, east Alder wing	Miscellaneous	19	ND
ALDER ROOF					
7258.4-JH-042	Roof core-(concrete substrate under tar, foam, black rubber membrane)	East Alder wing, southeast corner of roof	Miscellaneous	20	ND
7258.4-JH-043	Exhaust duct sealant	Northwest roof, west Alder wing	Miscellaneous	21	ND 2% Chrysotile
7258.4-JH-044	Exhaust duct sealant	Northwest roof, west Alder wing	Miscellaneous	21	ND 2% Chrysotile
7258.4-JH-045	Vent seam sealant	South wall of east penthouse wall vent-Alder	Miscellaneous	22	ND 2% Chrysotile
7258.4-JH-046	Vent caulk	West penthouse-Alder	Miscellaneous	23	ND 2% Chrysotile
7258.4-JH-047	Drivit panel	West penthouse-Alder	Miscellaneous	24	ND
7258.4-JH-048	Drivit panel	East penthouse-Alder	Miscellaneous	24	ND
7258.4-JH-049	White sealant on vent cap/hatch	South roof vent, east Alder wing	Miscellaneous	25	ND 3% Chrysotile
7258.4-JH-050	White sealant on vent cap/hatch	North roof vent, east Alder wing	Miscellaneous	25	ND 3% Chrysotile
7258.4-JH-051	White sealant on vent cap/hatch	North roof vent, west Alder wing	Miscellaneous	25	ND 3% Chrysotile
7258.4-JH-052	Black vent to duct sealant	North roof vent, west Alder wing	Miscellaneous	26	ND
7258.4-JH-053	Black vent to duct sealant	North roof vent, west Alder wing	Miscellaneous	26	ND
7258.4-JH-054	Black vent to duct sealant	North roof vent, west Alder wing	Miscellaneous	26	ND
7258.4-JH-055	Silver paint on reddish brown vent	South vent, west Alder Tower	Miscellaneous	27	3% Chrysotile ND
7258.4-JH-056	Duct wrap patch on reddish brown vent	South vent, west Alder Tower	TSI	28	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-057	Fiberglass insulation	South vent, east Alder wing	TSI	29	ND
7258.4-JH-058	Vent fan vibration dampener	North roof, west Alder wing	Miscellaneous	30	ND
7258.4-JH-059	Vent fan vibration dampener	North roof, west Alder wing	Miscellaneous	30	ND
BOILER ROOM ROOF (ALDER TOWER)					
7258.4-JH-060	Roof core-(concrete substrate under tar, foam, black rubber membrane)	Southeast corner of roof	Miscellaneous	20	ND
7258.4-JH-061	Black vent sealant	Center of roof	Miscellaneous	32	ND
ALDER TOWER ROOF					
7258.4-JH-062	Roof core-(concrete substrate under tar, foam, white rubber membrane)	North penthouse roof-tower	Miscellaneous	33	ND
7258.4-JH-063	Roof core-(concrete substrate under tar, foam, black rubber membrane)	Southeast corner of tower roof	Miscellaneous	20	ND
7258.4-JH-064	Drivit wall panel	West wall, north tower penthouse	Miscellaneous	34	ND
7258.4-JH-065	Drivit wall panel	West wall, north tower penthouse	Miscellaneous	34	ND
7258.4-JH-066	Drivit wall panel	North wall, south tower penthouse	Miscellaneous	34	ND
7258.4-JH-067	Clear caulk (only found in one spot)	North wall, north tower penthouse	Miscellaneous	35	ND
7258.4-JH-068	Beige thin wall vent sealant	South wall, north tower penthouse	Miscellaneous	36	ND
7258.4-JH-069	Gray brittle wall vent sealant	South wall, north tower penthouse	Miscellaneous	37	ND 2% Chrysotile
7258.4-JH-070	Black flashing sealant	North wall by south tower penthouse door	Miscellaneous	38	ND
7258.4-JH-071	White pipe penetration wrap	North penthouse roof-tower	Miscellaneous	39	ND
7258.4-JH-072	Vapor barrier paper	North penthouse tower walls behind drivit panels, seams and roofline	Miscellaneous	40	ND
7258.4-JH-073	Dark gray door caulk	South penthouse tower door	Miscellaneous	41	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-074	Light gray rubbery door caulk	South penthouse tower door	Miscellaneous	42	ND
ALDER WING SECOND FLOOR					
7258.4-JH-075	Popcorn ceiling texture	Module A offices	Surfacing	43	ND
7258.4-JH-076	Popcorn ceiling texture	Module A offices	Surfacing	43	ND
7258.4-JH-077	Popcorn ceiling texture	Module A offices	Surfacing	43	ND
7258.4-JH-078	Popcorn ceiling texture	Module A offices	Surfacing	43	ND
7258.4-JH-079	Popcorn ceiling texture	Module A offices	Surfacing	43	ND
7258.4-JH-080	Orange peel texture	Module A offices	Surfacing	44	ND
7258.4-JH-081	Orange peel texture	Module A offices	Surfacing	44	ND
7258.4-JH-082	Orange peel texture	Module A offices	Surfacing	44	ND
7258.4-JH-083	Orange peel texture	Module A offices	Surfacing	44	ND
7258.4-JH-084	Orange peel texture	Module A offices	Surfacing	44	ND
7258.4-JH-085	Wall paper paint coating	Module C control room	Surfacing	45	ND
7258.4-JH-086	Wall paper paint coating	Module C control room	Surfacing	45	ND
7258.4-JH-087	Wall paper paint coating	Module C control room	Surfacing	45	ND
7258.4-JH-088	Tectum ceiling panel	Hallway	Miscellaneous	46	ND
7258.4-JH-089	Tectum ceiling panel	Hallway	Miscellaneous	46	ND
7258.4-JH-090	Plaster ceiling	Maintenance room B	Surfacing	47	ND
7258.4-JH-091	Plaster ceiling	Maintenance room D	Surfacing	47	ND
7258.4-JH-092	Plaster ceiling	Maintenance room C	Surfacing	47	ND
7258.4-JH-093	Green cove base and adhesive	Module D Control	Miscellaneous	48	ND
7258.4-JH-094	Green cove base and adhesive	Module C Control	Miscellaneous	48	ND
7258.4-JH-095	Green cove base and adhesive	Module B Control	Miscellaneous	48	ND
7258.4-JH-096	Beige cove base and adhesive	Module C hall	Miscellaneous	49	ND
7258.4-JH-097	Beige cove base and adhesive	Module D hall	Miscellaneous	49	ND
7258.4-JH-098	Beige cove base and adhesive	Module B hall	Miscellaneous	49	ND
7258.4-JH-099	Carpet transition strip adhesive	Module C entrance/hall	Miscellaneous	50	ND
7258.4-JH-100	Carpet transition strip adhesive	Module A entrance/hall	Miscellaneous	50	ND
7258.4-JH-101	Carpet transition strip adhesive	Module D west cell	Miscellaneous	50	ND
7258.4-JH-102	Vibration dampener	Mechanical room B	Miscellaneous	51	ND
7258.4-JH-103	Vibration dampener	Mechanical room C	Miscellaneous	51	ND
7258.4-JH-104	Vibration dampener	Mechanical room D	Miscellaneous	51	ND
7258.4-JH-105	Fiberglass paper adhesive	Module B	TSI	52	ND
7258.4-JH-106	Fiberglass paper adhesive	Module C	TSI	52	ND
7258.4-JH-107	Fiberglass paper adhesive	Module D	TSI	52	ND
7258.4-JH-108	Ceramic tile thin set and grout	Module D west wing S	Miscellaneous	53	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-109	Ceramic tile thin set and grout	Module C east wing N	Miscellaneous	53	ND
7258.4-JH-110	Ceramic tile thin set and grout	Module B east wing N	Miscellaneous	53	ND
7258.4-JH-111	Tan carpet adhesive	Module A	Miscellaneous	54	ND
7258.4-JH-112	Tan carpet adhesive	Module B	Miscellaneous	54	ND
7258.4-JH-113	Tan carpet adhesive	Module C	Miscellaneous	54	ND
7258.4-JH-114	Tan carpet adhesive	Module D	Miscellaneous	54	ND
7258.4-JH-115	Sink undercoat	Module A double sink	Miscellaneous	55	ND
7258.4-JH-116	Sink undercoat	Module A single sink	Miscellaneous	56	ND
7258.4-JH-117	Tan floor waterproofing	Module C	Miscellaneous	57	ND
7258.4-JH-118	Tan floor waterproofing	Module B	Miscellaneous	57	ND
7258.4-JH-119	Tan floor waterproofing	Module D	Miscellaneous	57	ND
7258.4-JH-120	Fiberglass pipe penetration white debris	Module B mechanical (only found here)	Miscellaneous	58	ND
7258.4-JH-121	Stick pin adhesive	Mechanical room wall C	Miscellaneous	59	5% Chrysotile
7258.4-JH-122	Stick pin adhesive	Mechanical room wall D	Miscellaneous	59	5% Chrysotile
7258.4-JH-123	Stick pin adhesive	Mechanical room wall B	Miscellaneous	59	5% Chrysotile
7258.4-JH-124	HVAC door sealant	Mechanical room D	Miscellaneous	60	ND
7258.4-JH-125	HVAC door sealant	Mechanical room C	Miscellaneous	60	ND
7258.4-JH-126	HVAC door sealant	Mechanical room B	Miscellaneous	60	ND
7258.4-JH-127	Dark brown 4-inch cove base and adhesive	Module C room 145	Miscellaneous	61	ND
7258.4-JH-128	Dark brown 4-inch cove base and adhesive	Module A room 112	Miscellaneous	61	ND
7258.4-JH-129	Gray 4-inch cove base and adhesive	Module D room 228	Miscellaneous	62	ND
7258.4-JH-130	Gray 4-inch cove base and adhesive	Module A room 117	Miscellaneous	62	ND
7258.4-JH-131	Light brown 4-inch cove base and adhesive	Module A control room	Miscellaneous	63	ND
7258.4-JH-132	Red/brown 4-inch cove base and adhesive	Module A room 121	Miscellaneous	64	ND
7258.4-JH-133	Black 6-inch cove base and adhesive	Module A entrance area	Miscellaneous	65	ND
7258.4-JH-134	Dark blue 4-inch cove base and adhesive	Module C bathroom	Miscellaneous	66	ND
7258.4-JH-135	Concrete wall panel seam grout	Module B wall	Miscellaneous	67	ND
7258.4-JH-136	Concrete wall panel seam grout	Hallway	Miscellaneous	67	ND
ALDER WING FIRST FLOOR					
7258.4-JH-137	Concrete wall panel seam grout	Hallway east end	Miscellaneous	67	ND
7258.4-JH-138	Plaster ceiling	Hallway	Surfacing	47	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-139	Plaster ceiling	Hallway	Surfacing	47	ND
7258.4-JH-140	Plaster ceiling	Hallway	Surfacing	47	ND
7258.4-JH-141	Plaster ceiling	Hallway	Surfacing	47	ND
7258.4-JH-142	White w/beige streaks 12- x 12-inch floor tile and mastic	Hallway	Miscellaneous	68	ND
7258.4-JH-143	White w/beige streaks 12- x 12-inch floor tile and mastic	Hallway	Miscellaneous	68	ND
7258.4-JH-144	Tan 4-inch cove base and adhesive	Hallway	Miscellaneous	69	ND
7258.4-JH-145	Tan 4-inch cove base and adhesive	Hallway	Miscellaneous	69	ND
ALDER WING ROOF					
7258.4-JH-146	Stick pin adhesive	Penthouse West	Miscellaneous	59	5% Chrysotile
7258.4-JH-147	Stick pin adhesive	Penthouse East	Miscellaneous	59	5% Chrysotile
7258.4-JH-148	Black vapor barrier	Penthouse West	Miscellaneous	70	ND
7258.4-JH-149	Gypsum board with foil backing	Penthouse West	Miscellaneous	71	ND
7258.4-JH-150	Gypsum board with foil backing	Penthouse East	Miscellaneous	71	ND
7258.4-JH-151	Black vibration dampner	Penthouse West	Miscellaneous	51	ND
7258.4-JH-152	Black vibration dampner	Penthouse East	Miscellaneous	51	ND
7258.4-JH-153	Gray epoxy floor coating	Penthouse West	Miscellaneous	72	ND
7258.4-JH-154	Gray epoxy floor coating	Penthouse East	Miscellaneous	72	ND
7258.4-JH-155	Flange gasket, white	Penthouse East	TSI	73	ND
7258.4-JH-156	Flange gasket, gray (brittle)	Penthouse East	TSI	74	3% Chrysotile
7258.4-JH-157	Flange gasket, black	Penthouse East	TSI	75	ND
ALDER TOWER ROOF					
7258.4-JH-158	Gypsum board with foil backing	Penthouse North	Miscellaneous	71	ND
7258.4-JH-159	Gray epoxy floor coating	Penthouse North	Miscellaneous	72	ND
7258.4-JH-160	Black vibration dampner	Penthouse North	Miscellaneous	51	ND
7258.4-JH-161	Red duct jacket adhesive	Penthouse North	TSI	76	ND
7258.4-JH-162	Red duct jacket adhesive	Penthouse North	TSI	76	ND
7258.4-JH-164	Silver roof coat (remnant)	Southeast corner boiler roof	Miscellaneous	27	3% Chrysotile
ALDER TOWER EXTERIOR					
7258.4-JH-163	Flashing sealant	East wall of Tower from boiler roof	Miscellaneous	77	ND
7258.4-JH-165	Not used				
7258.4-JH-166	Not used				
7258.4-JH-167	Not used				

Sample	Material	Location	AHERA Type	HM	Result
ALDER WING 1ST FLOOR					
7258.4-JH-168	Skim coat on concrete walls	Hallway	Surfacing	80	ND
7258.4-JH-169	Skim coat on concrete walls	Hallway	Surfacing	80	ND
7258.4-JH-170	Skim coat on concrete walls	Hallway	Surfacing	80	ND
7258.4-JH-171	Skim coat on concrete walls	Hallway	Surfacing	80	ND
7258.4-JH-172	Skim coat on concrete walls	Hallway	Surfacing	80	ND
7258.4-JH-173	Skim coat on concrete walls	Hallway	Surfacing	80	ND
7258.4-JH-174	Skim coat on concrete walls	Hallway	Surfacing	80	ND
7258.4-JH-175	2- x 4-foot acoustical ceiling tile medium fissure with random pinhole pattern	Womens restroom	Miscellaneous	81	ND
7258.4-JH-176	2- x 4-foot acoustical ceiling tile medium fissure with random pinhole pattern	Hallway	Miscellaneous	81	ND
7258.4-JH-177	2- x 4-foot acoustical ceiling tile random pinhole pattern with few medium fissures	Hallway, replacement tile	Miscellaneous	82	ND
7258.4-JH-178	Tectum ceiling panel	Women's restroom	Miscellaneous	46	ND
7258.4-JH-179	Fiberglass insulation wrap black adhesive 6-inch OD	Hallway	TSI	52	ND
7258.4-JH-180	Fiberglass insulation wrap black adhesive 3-inch OD	Hallway	TSI	52	ND
7258.4-JH-181	Liquid nail behind gypsum	Restroom	Miscellaneous	83	ND
7258.4-JH-182	Top layer floor tile, green	Gym restroom	Miscellaneous	84	ND
7258.4-JH-183	Bottom layer floor tile, beige	Gym restroom	Miscellaneous	85	ND ND 3% Chrysotile
7258.4-JH-184	Entrance floor tile, beige	Gym restroom	Miscellaneous	86	ND
7258.4-JH-185	Floor tile	Storage room gymnasium	Miscellaneous	87	ND
7258.4-JH-186	Brown 4-inch cove base and adhesive	Gym restroom	Miscellaneous	88	ND
7258.4-JH-187	Tan wall panel laminate adhesive	Gym restroom	Miscellaneous	89	ND
7258.4-JH-188	Brown 4-inch cove base and adhesive	Gymnasium	Miscellaneous	88	ND
7258.4-JH-189	Orange peel texture	Gym storage room	Surfacing	90	ND
7258.4-JH-190	Orange peel texture	Gym storage room	Surfacing	90	ND
7258.4-JH-191	Orange peel texture	Gym storage room	Surfacing	90	ND
7258.4-JH-192	1-inch ceramic tile grout/thin set	Men's restroom	Miscellaneous	91	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-193	1-inch ceramic tile grout/thin set	Men's restroom	Miscellaneous	91	ND
7258.4-JH-194	Wall laminate plastic adhesive	Men's restroom	Miscellaneous	92	ND
7258.4-JH-195	Wall laminate plastic adhesive	Men's restroom	Miscellaneous	92	ND
ALDER TOWER, 1ST FLOOR					
7258.4-JH-196	Ceramic wall tile adhesive	Women's restroom south side	Miscellaneous	93	ND
7258.4-JH-197	White w/beige streaks 12- x 12-inch floor tile and mastic	Hallway	Miscellaneous	68	ND
7258.4-JH-198	Gray 4-inch cove base and adhesive	Hallway	Miscellaneous	94	ND
7258.4-JH-199	Yellow carpet adhesive	Hallway	Miscellaneous	95	ND 3% Chrysotile
7258.4-JH-200	3-inch ceramic floor tile grout/thin set	Women's restroom south side	Miscellaneous	96	ND
7258.4-JH-201	2- x 4-foot acoustical ceiling tile Medium fissure with random pinhole pattern	Hallway	Miscellaneous	81	ND
ALDER TOWER, 5TH FLOOR					
7258.4-JH-202	White 2- x 2-foot medium fissure with random pinhole acoustical ceiling tile	5 th floor, central office area	Miscellaneous	97	ND
7258.4-JH-203	White 2- x 2-foot medium fissure with random pinhole acoustical ceiling tile	5 th floor, central office area	Miscellaneous	97	ND
7258.4-JH-204	Green carpet mastic	5 th floor lobby area by stairs	Miscellaneous	98	ND
7258.4-JH-205	Yellow carpet mastic	5 th floor central office area	Miscellaneous	99	ND
7258.4-JH-206	Dark blue 4-inch cove base and adhesive	5 th floor central office area and lobby area	Miscellaneous	100	ND
7258.4-JH-207	Green-blue 4-inch cove base and adhesive	5 th floor central office area	Miscellaneous	101	ND
7258.4-JH-208	12- x 12-inch white with green streaks floor tile and mastic under carpet	5 th floor central office area adjacent to copy room	Miscellaneous	102	ND 4% Chrysotile
7258.4-JH-209	12- x 12-inch green with green and white streaks floor tile and mastic	5 th floor copy room	Miscellaneous	103	ND 3% Chrysotile
7258.4-JH-210	Yellow transition strip mastic	5 th floor copy room	Miscellaneous	104	ND
7258.4-JH-211	12- x 12-inch beige with reddish-brown streaks floor tile and black mastic	5 th floor throughout except copy and break	Miscellaneous	105	ND ND

Sample	Material	Location	AHERA Type	HM	Result
	(under carpet on 5 th floor)	rooms and adjacent floor to copy and break rooms			5% Chrysotile
7258.4-JH-212	Insulating cement on exposed fiberglass pipe insulation ends, roof drain pipe	5 th floor interior wall between restrooms	TSI	106	ND ND 3% Chrysotile
7258.4-JH-213	Insulating cement on exposed fiberglass pipe insulation, roof drain pipe	5 th floor interior wall between restrooms	TSI	106	ND ND 3% Chrysotile
7258.4-JH-214	Insulating cement on exposed fiberglass pipe insulation, roof drain pipe	5 th floor interior wall between restrooms	TSI	106	ND ND 3% Chrysotile
7258.4-JH-215	Fur strip glue on foam panels	5 th floor NW corner office of west wall	Miscellaneous	107	ND
7258.4-JH-216	Foam panel adhesive	5 th floor NW corner office of west wall	Miscellaneous	108	ND
7258.4-JH-217	Exterior gray window caulk	5 th floor SW office, south wall exterior	Miscellaneous	109	ND
7258.4-JH-218	Gray sink undercoat	5 th floor break room	Miscellaneous	110	ND
7258.4-JH-219	Skim coat on concrete walls	5 th floor office area adjacent to lobby stairwell	Surfacing	111	ND
7258.4-JH-220	Skim coat on concrete walls	5 th floor office area adjacent to lobby stairwell	Surfacing	111	ND
ALDER TOWER, 4TH FLOOR					
7258.4-JH-221	Green and yellow carpet mastic	4 th floor south interior office	Miscellaneous	98, 99	ND
7258.4-JH-222	Green and yellow carpet mastic	4 th floor east wing lobby	Miscellaneous	98, 99	ND
7258.4-JH-223	12- x 12-inch beige with reddish brown streaks floor tile and black mastic under carpet	4 th floor NE hall interior wall	Miscellaneous	105	<1% Chrysotile 3% Chrysotile
7258.4-JH-224	Gray 4-inch cove base and mastic	4 th floor south hall	Miscellaneous	94	ND
7258.4-JH-225	White 2- x 2-foot medium fissure with random pinhole acoustical ceiling tile	4 th floor break room	Miscellaneous	97	ND
7258.4-JH-226	White 2- x 2-foot medium fissure with random pinhole acoustical ceiling tile	4 th floor lobby	Miscellaneous	97	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-227	Black sink undercoat	4 th floor break room sink	Miscellaneous	112	ND
7258.4-JH-228	Skim coat on concrete walls	4 th floor lobby north wall	Surfacing	111	ND
7258.4-JH-229	Skim coat on concrete walls	4 th floor restroom hallway	Surfacing	111	ND
7258.4-JH-230	Exterior gray window caulk	4 th floor exterior window, west wall at north end	Miscellaneous	109	ND
7258.4-JH-231	Gypsum wallboard system	4 th floor north interior office	Miscellaneous	113	ND
7258.4-JH-232	Gypsum wallboard system	4 th floor west hall north end	Miscellaneous	113	ND
7258.4-JH-233	Foam panel adhesive	4 th floor north end east side office	Miscellaneous	108	ND
7258.4-JH-234	Dark gray 4-inch cove base and adhesive	4 th floor NE hallway	Miscellaneous	114	ND
7258.4-JH-235	Fur strip glue on foam panels	4 th floor north end east side office perimeter walls	Miscellaneous	107	ND
7258.4-JH-236	Gray epoxy floor coating	4 th floor north stairwell	Miscellaneous	115	ND
FIRST FLOOR MAINTENANCE (WEST SIDE)					
7258.4-JH-237	HVAC sealant at metal joint	Mechanical room	Miscellaneous	116	ND
7258.4-JH-238	HVAC sealant at metal joint	Mechanical room	Miscellaneous	116	ND
7258.4-JH-239	4-inch beige cove base and mastic		Miscellaneous	117	ND
7258.4-JH-240	4-inch beige cove base and mastic		Miscellaneous	117	ND
7258.4-JH-241	Gypsum wall board system		Miscellaneous	113	ND
7258.4-JH-242	12- x 12-inch new floor tile and mastic	Hallway entrance 123	Miscellaneous	68	ND
7258.4-JH-243	CMU paint	Hallway	Miscellaneous	118	ND
7258.4-JH-244	CMU paint	Hallway	Miscellaneous	118	ND
7258.4-JH-245	2- x 4-foot acoustical ceiling tile, medium fissure with random pinholes	Room 127	Miscellaneous	81	ND
7258.4-JH-246	Gray 12- x 12-inch floor tile and tan mastic	Office 123 entrance	Miscellaneous	119	ND
7258.4-JH-247	Fireproofing	Hallway	Surfacing	120	ND
7258.4-JH-248	Fireproofing	Room 129	Surfacing	120	ND
7258.4-JH-249	Fireproofing	Hallway	Surfacing	120	ND
7258.4-JH-250	Fireproofing	Hallway	Surfacing	120	ND
7258.4-JH-251	Fireproofing	Room 123	Surfacing	120	ND
7258.4-JH-252	CMU grout	Room 139	Miscellaneous	121	ND
7258.4-JH-253	CMU grout	Room 139	Miscellaneous	121	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-254	Carpet adhesive	Room 123 entrance	Miscellaneous	99	ND
7258.4-JH-255	Stair tread and mastic	1 st floor stairs, north	Miscellaneous	122	ND
7258.4-JH-256	Stair tread and mastic	1 st floor stairs, north	Miscellaneous	122	ND
7258.4-JH-257	Skim coat on concrete	Restroom/elevator	Surfacing	111	ND
7258.4-JH-258	Skim coat on concrete	Restroom/elevator	Surfacing	111	ND
7258.4-JH-259	12- x 12-inch floor tile and mastic	1 st floor stair landing	Miscellaneous	123	ND
7258.4-JH-260	12- x 12-inch floor tile and mastic	1 st floor stair landing	Miscellaneous	123	ND
ALDER TOWER MAIN FLOOR					
7258.4-JH-261	Thin set and mastic	Floor outside court	Miscellaneous	124	ND
7258.4-JH-262	Gypsum wall board system*	NW hallway	Miscellaneous	113	ND ND ND 2% Chrysotile ND ND
7258.4-JH-263	Gray cove base and adhesive	Main floor	Miscellaneous	94	ND
7258.4-JH-264	Dark gray cove base and adhesive	Center hallway	Miscellaneous	114	ND
7258.4-JH-265	Beige cove base and adhesive	East hallway	Miscellaneous	117	ND
7258.4-JH-266	Cellulose insulation at penetrations	Room 236 plenum	TSI	125	ND
7258.4-JH-267	Cellulose insulation at penetrations	Room 236 plenum	TSI	125	ND
7258.4-JH-268	Cellulose insulation at penetrations	Room 236 plenum	TSI	125	ND
ALDER TOWER THIRD FLOOR					
7258.4-JH-269	Remnant mastic on concrete	Plenum above office	Miscellaneous	126	ND
7258.4-JH-270	Skim coat on concrete	Bathroom/elevator wall	Miscellaneous	111	ND
7258.4-JH-271	carpet adhesive	Office	Miscellaneous	99	ND
7258.4-JH-272	White 2- x 2-foot medium fissure with random pinhole acoustical ceiling tile	4 th floor lobby	Miscellaneous	97	ND
7258.4-JH-273	Dark gray cove base and adhesive	West hallway	Miscellaneous	114	ND ND ND ND ND ND <1% Chrysotile ND
7258.4-JH-274	Gypsum wall board system	East office	Miscellaneous	113	ND
7258.4-JH-275	Concrete coating	Stair walls	Surfacing	127	ND
7258.4-JH-276	Concrete coating	Stair walls	Surfacing	127	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-277	Concrete coating	Stair walls	Surfacing	127	ND
7258.4-JH-278	Concrete coating	Stair walls	Surfacing	127	ND
7258.4-JH-279	Concrete coating	Stair walls	Surfacing	127	ND
7258.4-JH-280	Concrete coating	Stair walls	Surfacing	127	ND
7258.4-JH-281	Concrete coating	Stair walls	Surfacing	127	ND
7258.4-JH-282	Cementitious riser	Stair riser on side wall	Miscellaneous	128	ND
7258.4-JH-283	Cementitious riser	Stair riser on side wall	Miscellaneous	128	ND
MAIN FLOOR					
7258.4-JH-284	Sink undercoating (white)	Court 2-3 secretary	Miscellaneous	129	ND
7258.4-JH-285	Yellow pebble pattern sheet vinyl flooring	Court 2-3 toilet	Miscellaneous	130	ND 45% Chrysotile
7258.4-JH-286	Yellow pebble pattern sheet vinyl flooring	Court 2-3 toilet	Miscellaneous	130	ND 45% Chrysotile
7258.4-JH-287	Brown 4-inch cove base and mastic	Court 2-3 toilet	Miscellaneous	131	ND
7258.4-JH-288	Wall paneling mastic	Court 3	Miscellaneous	132	5% Chrysotile
7258.4-JH-289	Wall paneling mastic	Court 3	Miscellaneous	132	3% Chrysotile
7258.4-JH-290	Wall paneling mastic	Court 3	Miscellaneous	132	3% Chrysotile
7258.4-JH-291	Confetti pattern sheet vinyl flooring	Court 5 bathroom	Miscellaneous	133	ND
7258.4-JH-292	Confetti pattern sheet vinyl flooring	Court 6 bathroom	Miscellaneous	133	ND
7258.4-JH-293	Brown 4-inch cove base and mastic	Court 4 bathroom	Miscellaneous	131	ND
7258.4-JH-294	Yellow pebble pattern sheet vinyl flooring	Court 4 bathroom	Miscellaneous	130	ND 55% Chrysotile
7258.4-JH-295	2- x 2-foot random fissure pattern acoustical ceiling tile	West side offices	Miscellaneous	134	ND
7258.4-JH-296	2- x 2-foot random fissure pattern acoustical ceiling tile	West side offices	Miscellaneous	134	ND
7258.4-JH-297	Gray transition strip adhesive	West side offices	Miscellaneous	104	ND
ALDER TOWER THIRD FLOOR					
7258.4-JH-298	12- x 12-inch white floor tile and adhesive	Lounge	Miscellaneous	135	ND
7258.4-JH-299	12- x 12-inch green floor tile and adhesive	Lounge	Miscellaneous	31	ND
ALDER TOWER FIRST FLOOR					
7258.4-JH-300	Green gasket	Sprinkler/mechanical room	Miscellaneous	136	ND
7258.4-JH-301	Pink gasket	Sprinkler/mechanical room	Miscellaneous	137	ND

Sample	Material	Location	AHERA Type	HM	Result
7258.4-JH-302	Green gasket	Sprinkler/mechanical room	Miscellaneous	136	ND
7258.4-JH-303	Gray sealant around duct	Elevator room	Miscellaneous	79	ND
7258.4-JH-304	Gray sealant around duct	Elevator room	Miscellaneous	79	ND
EXTERIOR ALDER WING					
7258.4-JH-305	Foundation sealant	Exterior west Alder wing(gym)	Miscellaneous	139	ND
7258.4-JH-306	Foundation sealant	Exterior west Alder wing (gym)	Miscellaneous	139	ND
ALDER TOWER MAIN FLOOR					
7258.4-JH-307	Green sheet vinyl flooring	Restroom, Court 1	Miscellaneous	78	ND ND 3% Chrysotile ND

*This material was found to contain <1% asbestos as a composite.

Appendix D

Sample Location Drawings



Legend

- Subject property
- Highway
- River
- City limit



Figure 1.
Vicinity map, Youth Service Center, Seattle,
Washington.





Figure D-2.
Alder Wing Exterior asbestos
sampling location map, Youth
Services Center, Seattle,
Washington.

Legend

- Asbestos sampling location
011
- Asbestos sampling location with
asbestos content determined or
assumed to be greater than 1%
037

*Note: Complete sample ID number includes the
Med-Tox Northwest project number prefix (7258.4-JH)
followed by the 3-digit sample ID.*



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G:\Graphics\09-04193-002\Wing exterior

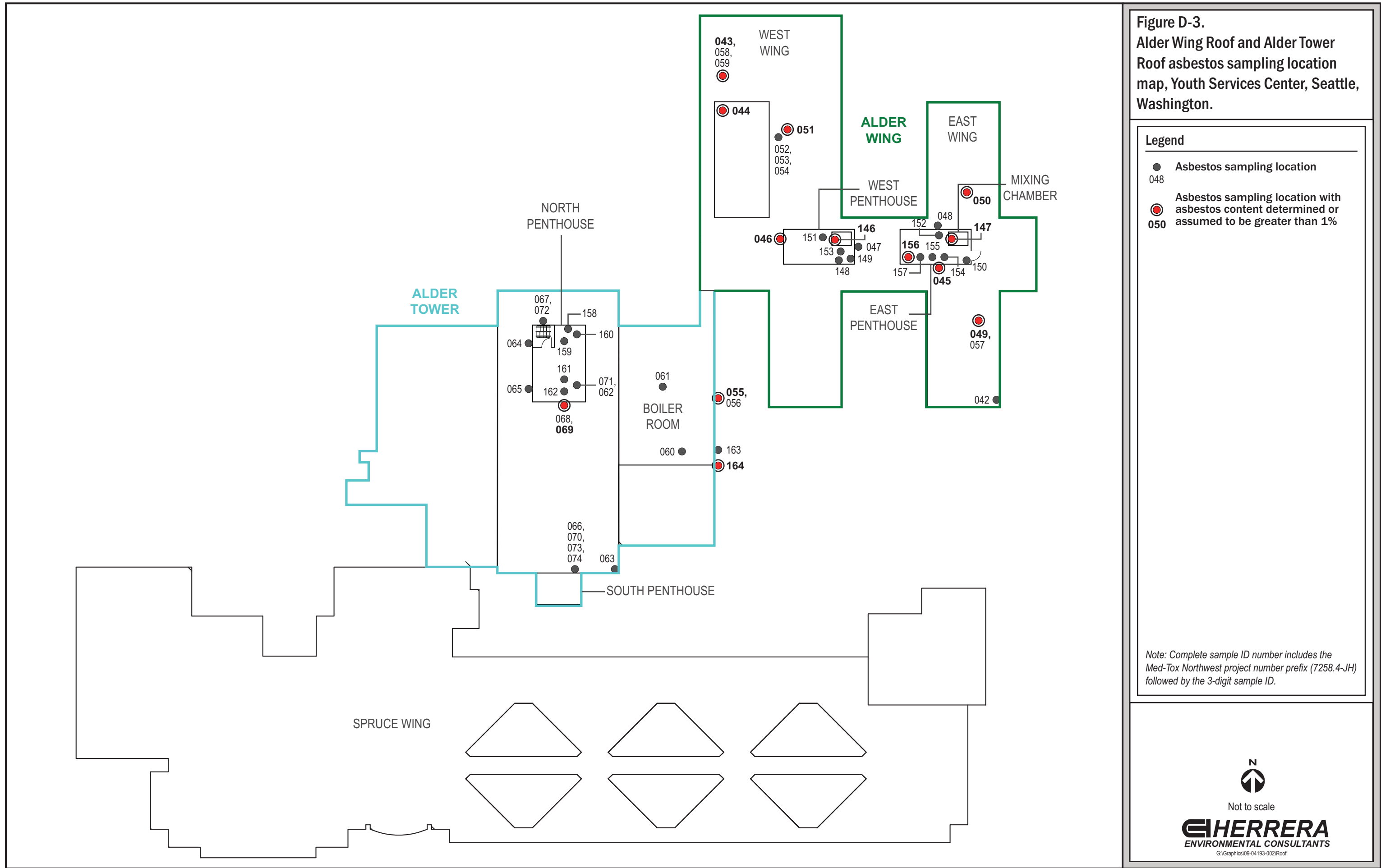




Figure D-4.
Alder Wing 1st Floor asbestos
sampling location map, Youth
Services Center, Seattle,
Washington.

Legend

- Asbestos sampling location
170
- Asbestos sampling location with
asbestos content determined or
assumed to be greater than 1%
183

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID.



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Figure D-5.
Alder Wing 2nd Floor asbestos
sampling location map, Youth
Services Center, Seattle,
Washington.

Legend

●

Asbestos sampling location

096

●

Asbestos sampling location with
asbestos content determined or
assumed to be greater than 1%

122

Carpet over concreteCarpet over vinyl floor tile

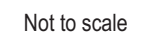
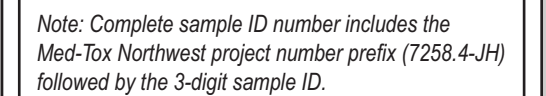
Note: Complete sample ID number includes the
Med-Tox Northwest project number prefix (7258.4-JH)
followed by the 3-digit sample ID.



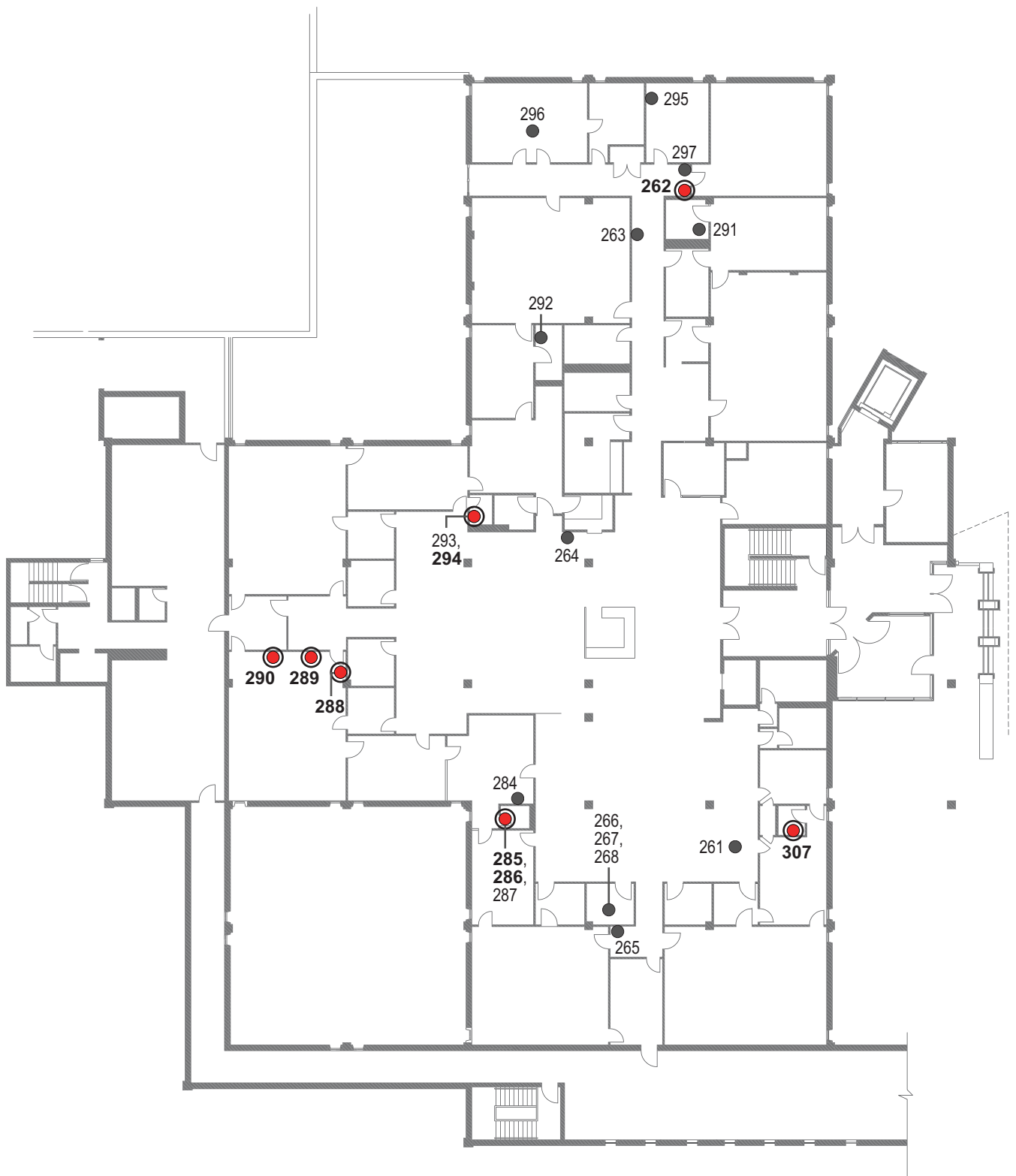
Legend

● Asbestos sampling location
301

● Asbestos sampling location with
asbestos content determined or
assumed to be greater than 1%
199



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Legend

- Asbestos sampling location
- 294
- Asbestos sampling location with asbestos content determined or assumed to be greater than 1%
- 288

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID.

Figure D-7.

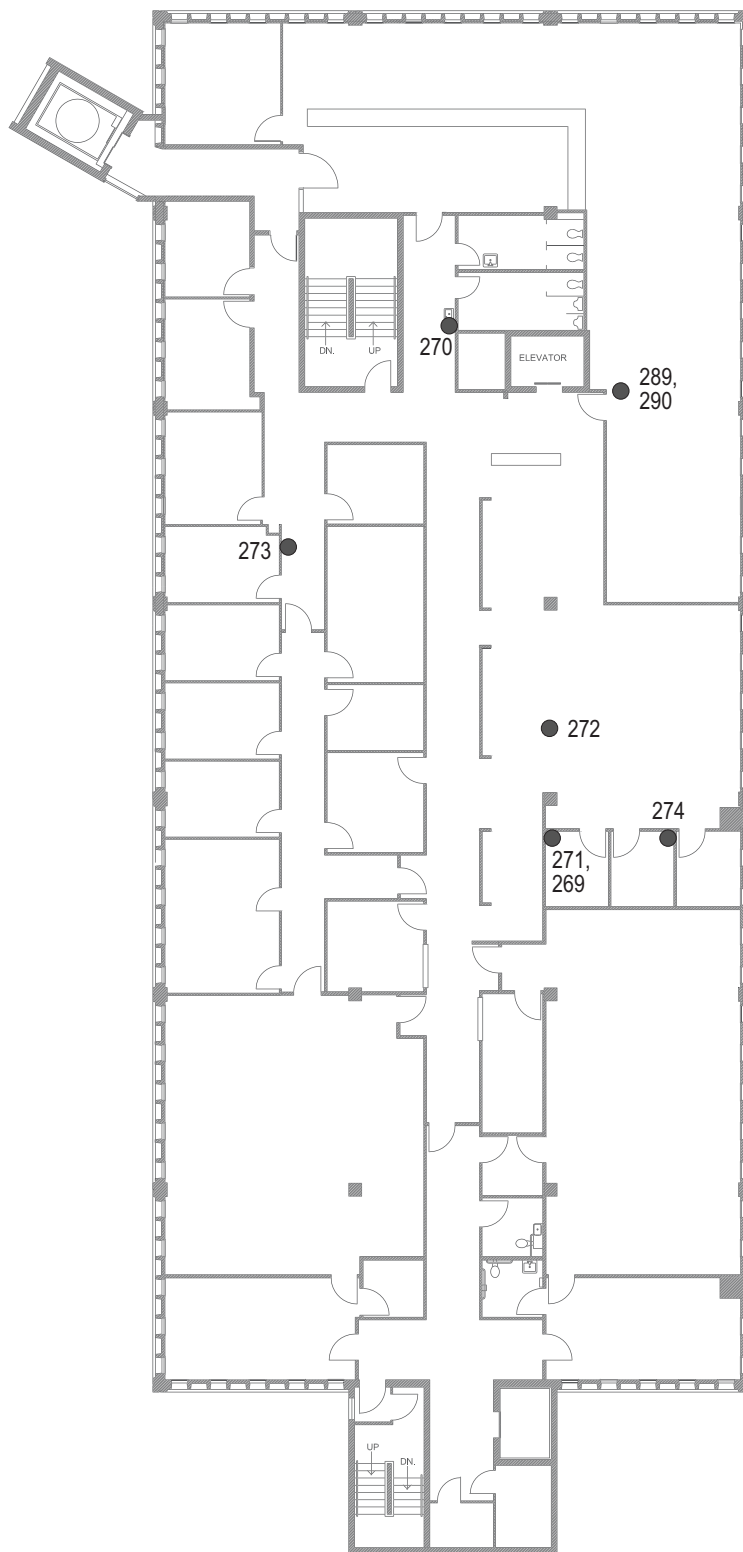
Alder Tower Main (2nd) Floor asbestos sampling location map, Youth Services Center, Seattle, Washington.



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Legend

- Asbestos sampling location
272

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID.

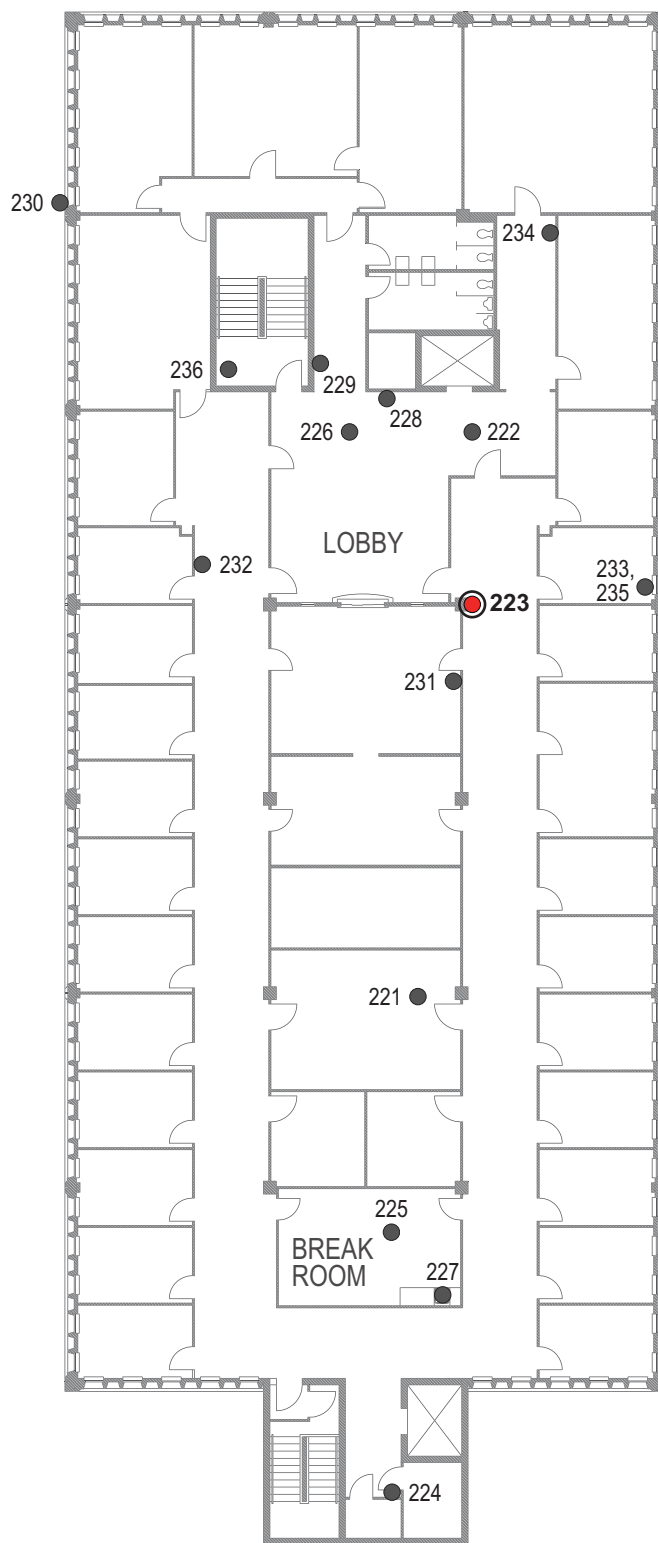
Figure D-8.
Alder Tower 3rd Floor asbestos
sampling location map, Youth Services
Center, Seattle, Washington.



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Legend

- Asbestos sampling location
- 225
- Asbestos sampling location with asbestos content determined or assumed to be greater than 1%
- 223

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID.

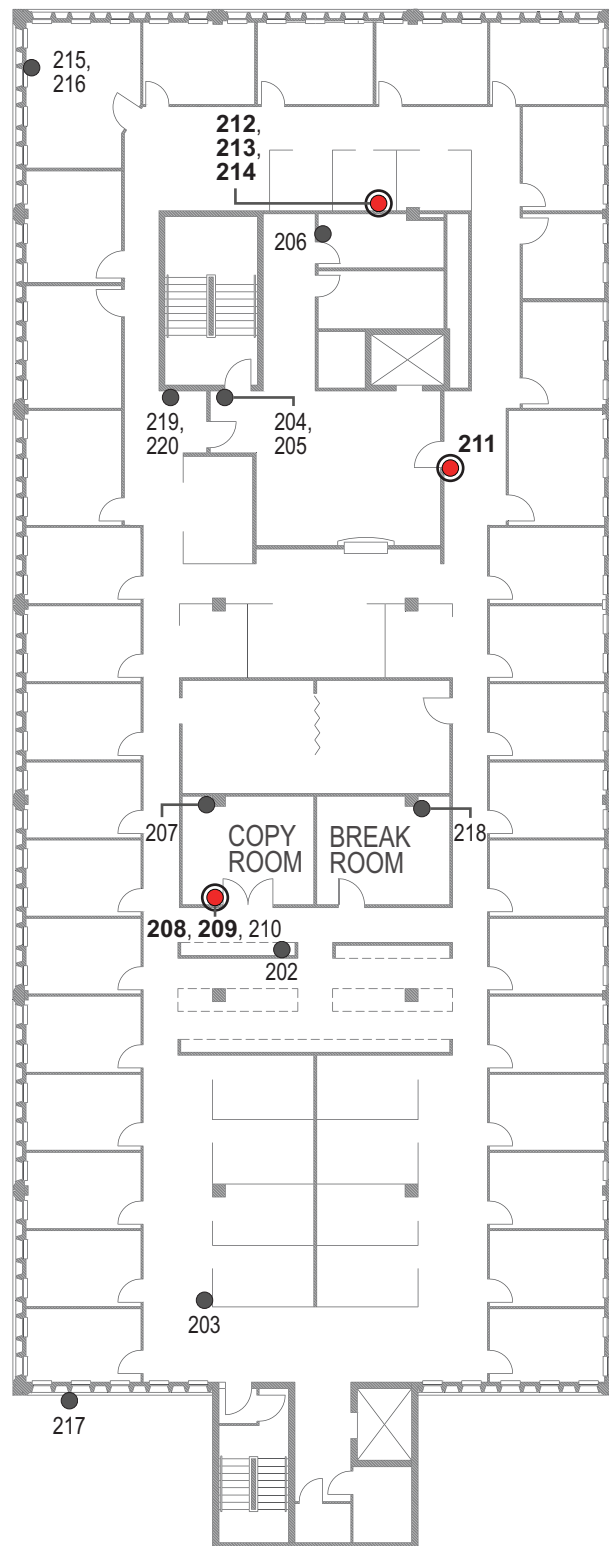
Figure D-9.
Alder Tower 4th Floor asbestos
sampling location map, Youth Services
Center, Seattle, Washington.



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Legend

- Asbestos sampling location
- 206
- Asbestos sampling location with asbestos content determined or assumed to be greater than 1%
- 208

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID.

Figure D-10.
Alder Tower 5th Floor asbestos
sampling location map, Youth Services
Center, Seattle, Washington.



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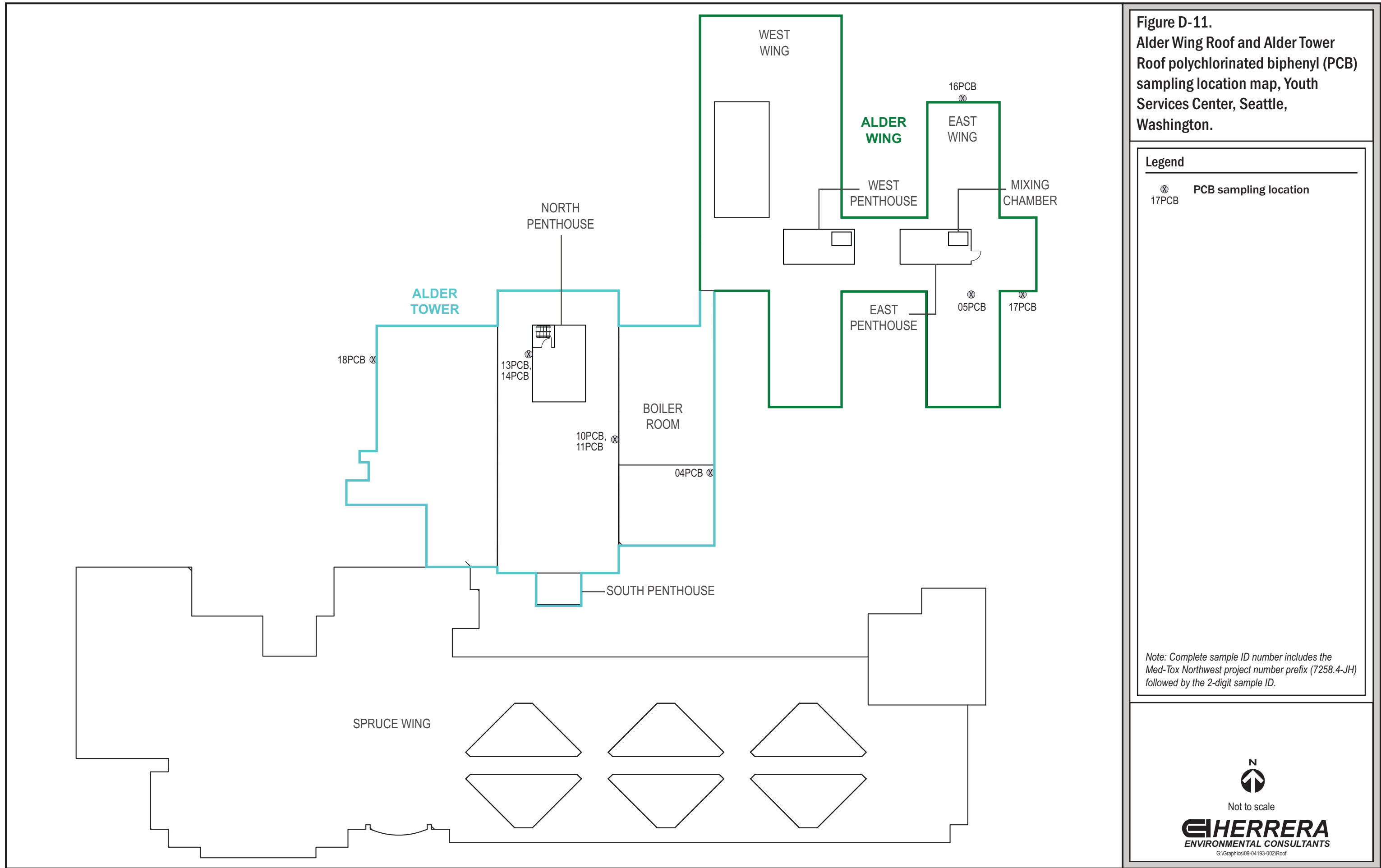




Figure D-12.
Alder Wing 1st Floor lead-based paint (LBP) and polychlorinated biphenyl (PCB) sampling location map, Youth Services Center, Seattle, Washington.

Legend

- 014LBP LBP sampling location
- 17PCB PCB sampling location
- 028LBP Sampling location with LBP detected above the laboratory reporting limit

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID for LBP samples, or 2-digit sample ID for PCB samples.



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G:\Graphics\09-04193-002\Wing Floor 1

Figure D-13.
Alder Wing 2nd Floor lead-based paint (LBP) and polychlorinated biphenyl (PCB) sampling location map, Youth Services Center, Seattle, Washington.



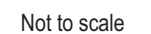
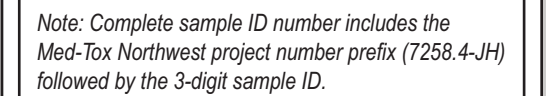
Legend

- LBP sampling location
008LBP
- ⊗ PCB sampling location
01PCB
- ⊙ Sampling location with LBP detected above the laboratory reporting limit
005LBP
- Carpet over concrete
- Carpet over vinyl floor tile

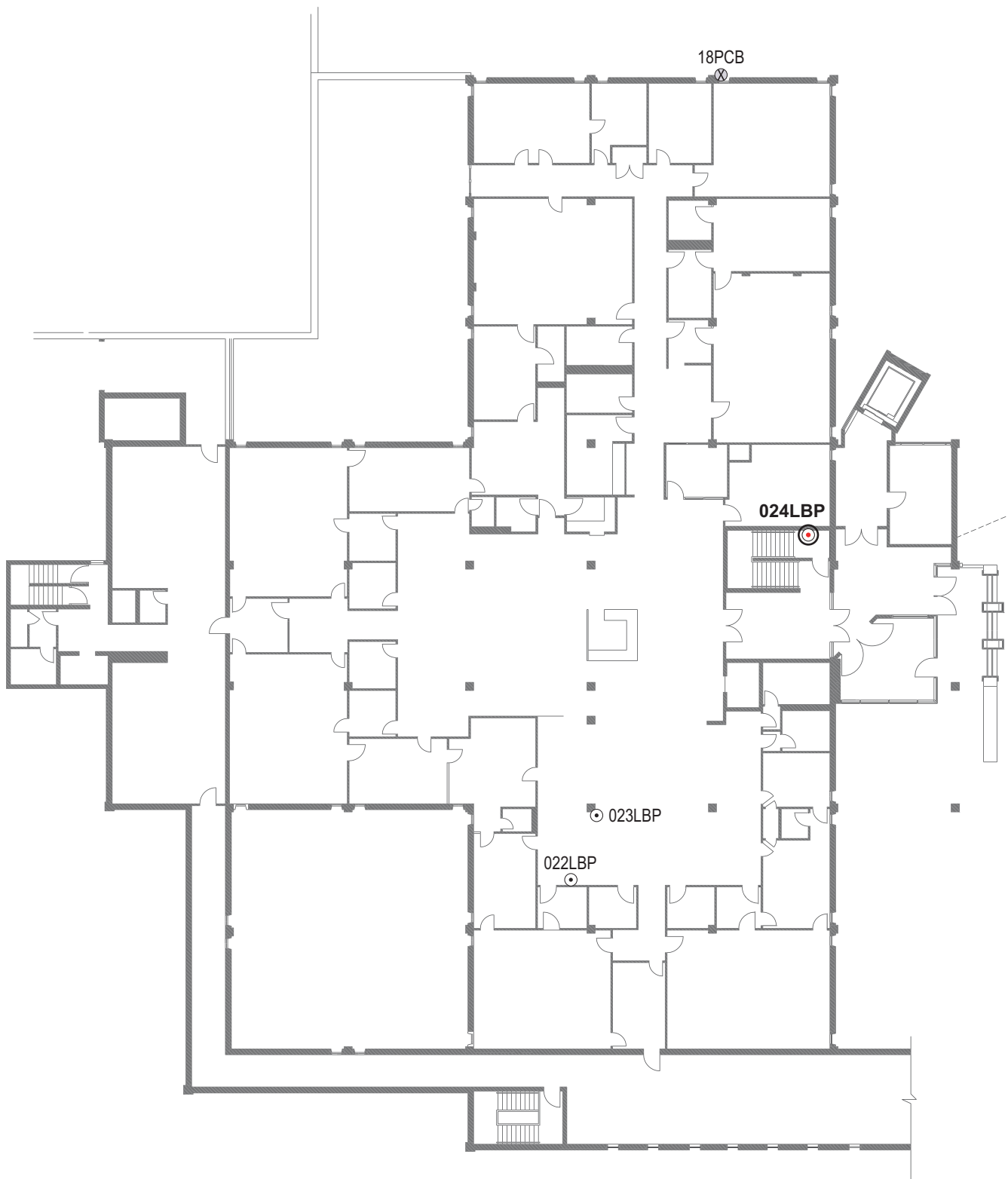
Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID for LBP samples, or 2-digit sample ID for PCB samples.

Legend

● LBP sampling location



G:\Graphics\09-04193-002\Tower Floor 1



Legend

- 022LBP LBP sampling location
- ⊗ 18PCB PCB sampling location
- ⊙ 024LBP Sampling location with LBP detected above the laboratory reporting limit

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID for LBP samples, or 2-digit sample ID for PCB samples.

Figure D-15.

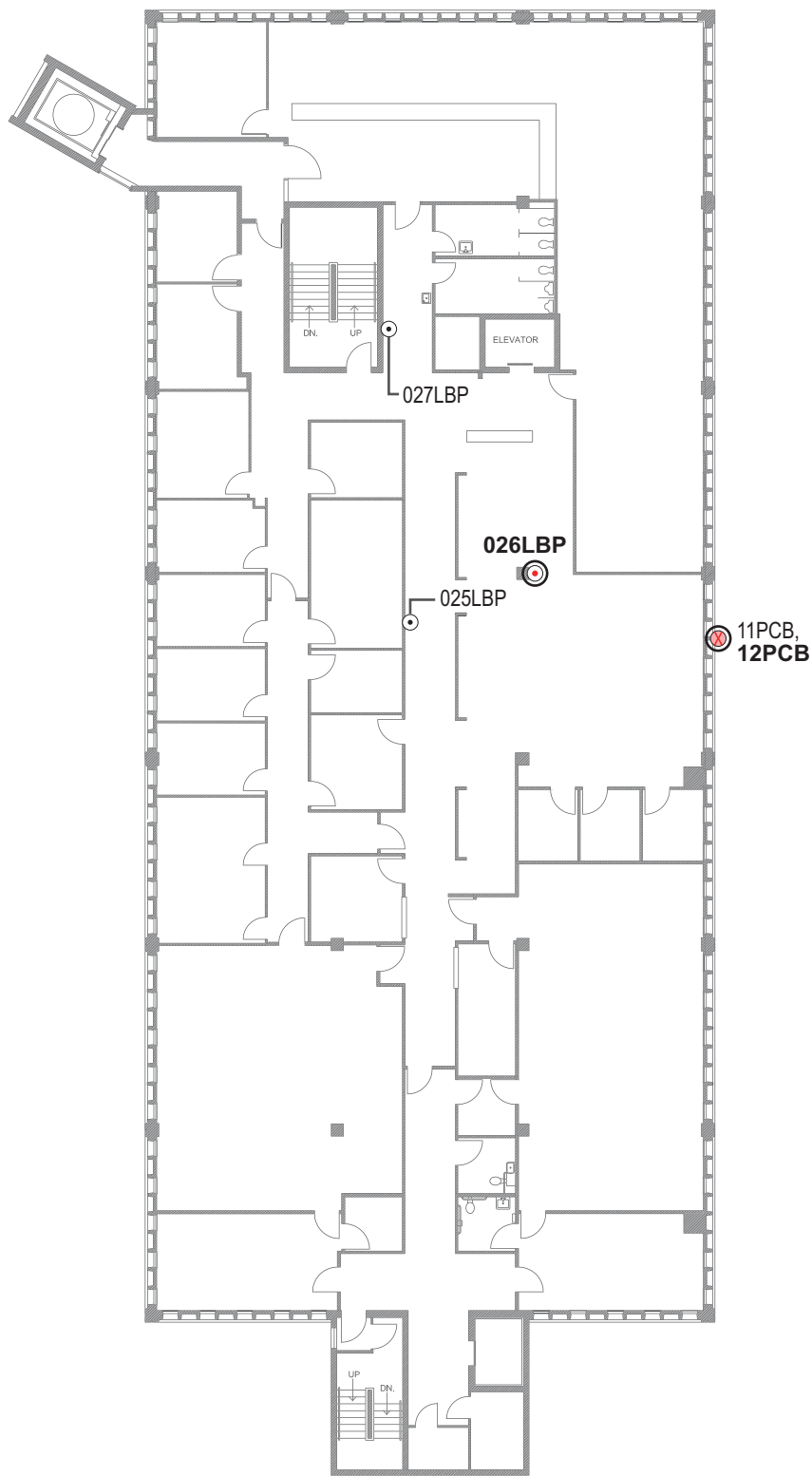
Alder Tower Main (2nd) Floor lead-based paint (LBP) and polychlorinated biphenyl (PCB) sampling location map, Youth Services Center, Seattle, Washington.



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Legend

- | | | | |
|-------------|--|------------|--|
| ○
025LBP | LBP sampling location | ⊗
12PCB | Sampling location with
PCB detected above
50 mg/kg |
| ⊗
11PCB | PCB sampling location | | |
| ⊙
026LBP | Sampling location with
LBP detected above the
laboratory reporting limit | | |

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID for LBP samples, or 2-digit sample ID for PCB samples.

Figure D-16.

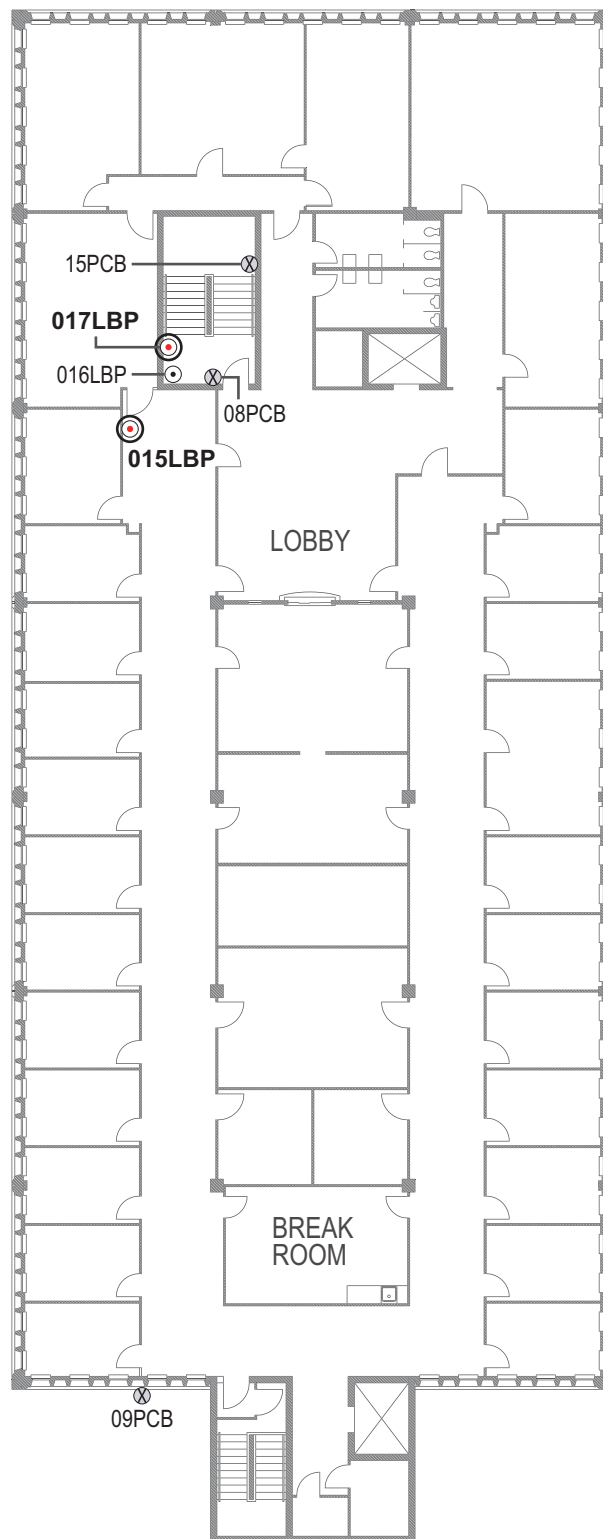
Alder Tower 3rd Floor lead-based paint (LBP) and polychlorinated biphenyl (PCB) sampling location map, Youth Services Center, Seattle, Washington.






Not to scale

HERRERA
ENVIRONMENTAL CONSULTANTS

G:\Graphics\09-04193-002\Tower Floor 3



Legend

- 
LBP sampling location
 016LBP
- 
PCB sampling location
 08PCB
- 
Sampling location with LBP detected above the laboratory reporting limit
 015LBP

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 3-digit sample ID for LBP samples, or 2-digit sample ID for PCB samples.

Figure D-17.

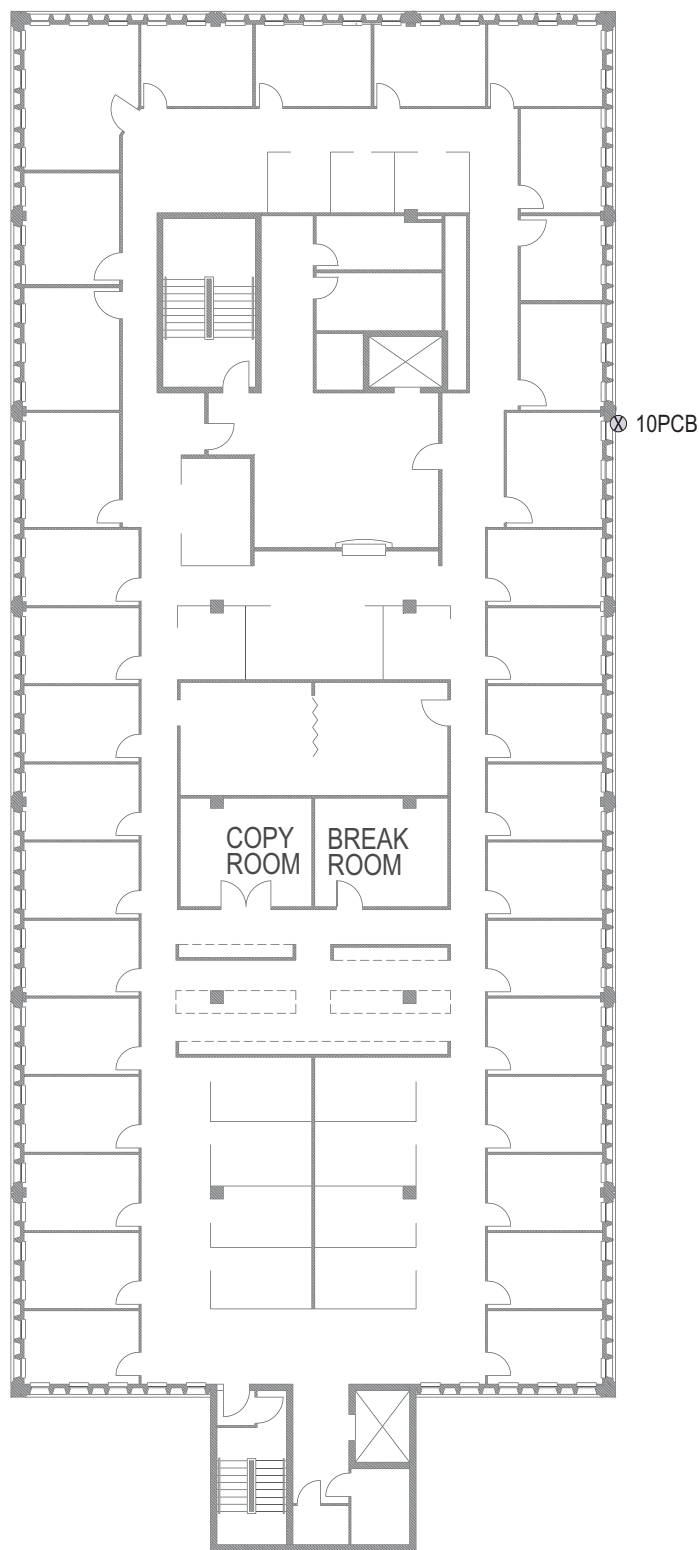
Alder Tower 4th Floor lead-based paint (LBP) and polychlorinated biphenyl (PCB) sampling location map, Youth Services Center, Seattle, Washington.



Not to scale

HERRERA
 ENVIRONMENTAL CONSULTANTS

G:\Graphics\09-04193-002\Tower Floor 4



Legend

⊗ PCB sampling location
10PCB

Note: Complete sample ID number includes the Med-Tox Northwest project number prefix (7258.4-JH) followed by the 2-digit sample ID.

Figure D-18.
Alder Tower 5th Floor polychlorinated biphenyl (PCB) sampling location map, Youth Services Center, Seattle, Washington.



Not to scale

HERRERA
ENVIRONMENTAL CONSULTANTS

G:\Graphics\09-04193-002\Tower Floor 5

Appendix E

National Voluntary Laboratory Accreditation Program Certificate

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2005

NVLAP LAB CODE: 102021-0

Med-Tox Northwest
Auburn, WA

*is accredited by the National Voluntary Laboratory Accreditation Program for specific services,
listed on the Scope of Accreditation, for:*

BULK ASBESTOS FIBER ANALYSIS

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005.
This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality
management system (refer to joint ISO-ILAC-IAF Communique dated January 2009).*

2009-07-01 through 2010-06-30

Effective dates




For the National Institute of Standards and Technology

Appendix F

Analytical Report – Asbestos

3/29/2010

Peter Jowise
Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Re: Bulk Asbestos Sample Analysis for Med-Tox Northwest Laboratory Batch # 100124 , A-7258.4

Dear Mr. Jowise,

Please find enclosed the test results for the bulk sample(s) submitted to our laboratory for evaluation of possible asbestos content. Unless otherwise stated in the report, all samples analyzed were in good condition upon receipt by the laboratory. Samples are held in archive for 1 year following analysis and then properly disposed of as hazardous waste.

Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116. Representative portions of your sample(s) were prepared on glass slides and analyzed at magnifications of 100X to 400X using dispersion staining and/or Becke line techniques. Unless stated otherwise on your report, fiber content was quantified by calibrated visual estimation in accordance with the method.

The Environmental Protection Agency (EPA) does not regulate materials containing <1% (less than one percent) asbestos. Because the uncertainty in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). The relative standard deviation for data in this range for the Med-Tox Northwest Laboratory is 0.309.

Any comments the analyst may wish to make with regard to your sample(s) will appear as a note directly below the sample number on your report. If your analyst has not recommended a point count but you feel that a point count might be beneficial, please feel free to call and request one.

Please note, vinyl floor tiles may contain asbestos fibers too small to be detected by PLM. For this reason, negative results and results of <1% asbestos for vinyl floor tiles analyzed by US EPA/600/R-93/116 are not considered conclusive by the EPA. More sensitive methods of analysis such as electron microscopy are recommended for these samples.

The test results on this report refer only to the samples submitted. The accuracy with which these samples represent the materials *in situ* is totally dependent on the acuity of the person who took the samples.

This test report is not valid unless it bears the signature of a NVLAP approved signatory. Any reproduction of this document must include the entire document in order to be valid. Neither the NVLAP accreditation of this laboratory nor this report can be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Thank you for choosing Med-Tox Northwest laboratory services. If you have any questions regarding this report, please feel free to contact us.

Sincerely,


Carol Evans
Laboratory Manager

NVLAP[®]

NVLAP Lab Code 102021-0

Med-Tox Northwest
1701 West Valley Highway North, Suite 1
Auburn, WA 98001

Phone (253) 351-0677
Fax (253) 351-0688
E-mail medtoxnw@msn.com

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100124
Date Received: 3/22/2010
Samples Received: 74
Date Analyzed: 3/29/2010
Samples Analyzed: 74

Attention: Peter Jowise

Project: King County Youth Service Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101447	7258.4-JH-001	1	Light gray rubbery sealant	None detected	None detected	Synthetic binder, fillers
101448	7258.4-JH-002	1	Light gray rubbery sealant	None detected	None detected	Synthetic binder, fillers
101449	7258.4-JH-003	1	Light gray rubbery sealant	None detected	None detected	Synthetic binder, fillers
		2	Gray synthetic foam	None detected	None detected	Synthetic binder, fillers
101450	7258.4-JH-004	1	Gray cementitious grout	None detected	None detected	Mineral binder, fillers
		2	Black asphaltic vapor barrier	5% Chrysotile	None detected	Bituminous compound
101451	7258.4-JH-005	1	Gray cementitious grout	None detected	None detected	Mineral binder, fillers
		2	Black asphaltic vapor barrier	5% Chrysotile	None detected	Bituminous compound
101452	7258.4-JH-006	1	Gray cementitious grout	None detected	None detected	Mineral binder, fillers
		2	Black asphaltic vapor barrier	5% Chrysotile	None detected	Bituminous compound
		3	Black rubbery seal	None detected	None detected	Synthetic binder, fillers
101453	7258.4-JH-007	1	Red brick	None detected	None detected	Mineral binder, fillers
		2	Tan cementitious mortar	None detected	None detected	Mineral binder, fillers
101454	7258.4-JH-008	1	Tan cementitious mortar	None detected	None detected	Mineral binder, fillers
101455	7258.4-JH-009	1	Tan cementitious mortar	None detected	None detected	Mineral binder, fillers
101456	7258.4-JH-010	1	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101457	7258.4-JH-011	1	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101458	7258.4-JH-012	1	Gray cementitious material	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100124
Date Received: 3/22/2010
Samples Received: 74
Date Analyzed: 3/29/2010
Samples Analyzed: 74

Attention: Peter Jowise

Project: King County Youth Service Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101459	7258.4-JH-013	1	Gray cementitious mortar	None detected	None detected	Mineral binder, fillers
101460	7258.4-JH-014	1	Gray cementitious mortar	None detected	None detected	Mineral binder, fillers
101461	7258.4-JH-015	1	Gray cementitious grout	None detected	None detected	Mineral binder, fillers
101462	7258.4-JH-016	1	Gray cementitious grout	None detected	None detected	Mineral binder, fillers
101463	7258.4-JH-017	1	White putty (rail-to-brick caulking)	2% Chrysotile	None detected	Organic binder, fillers
101464	7258.4-JH-018	1	Black asphaltic concrete	None detected	None detected	Bituminous compound
101465	7258.4-JH-019	1	Brown rubbery caulk	None detected	None detected	Synthetic binder, fillers
101466	7258.4-JH-020	1	Brown rubbery caulk	None detected	None detected	Synthetic binder, fillers
101467	7258.4-JH-021	1	Gray rubbery caulk	None detected	None detected	Synthetic binder, fillers
101468	7258.4-JH-022	1	Gray rubbery caulk	None detected	None detected	Synthetic binder, fillers
101469	7258.4-JH-023	1	Gray/white paint layers	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious sealant	None detected	None detected	Mineral binder, fillers
101470	7258.4-JH-024	1	Gray/white paint layers	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious sealant	None detected	None detected	Mineral binder, fillers
101471	7258.4-JH-025	1	Gray/white paint layers	None detected	None detected	Synthetic binder, fillers
		2	Light gray putty	3% Chrysotile	None detected	Organic binder, fillers
101472	7258.4-JH-026	1	Light gray putty	4% Chrysotile	None detected	Organic binder, fillers
101473	7258.4-JH-027	1	Black rubbery caulk	None detected	None detected	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100124
Date Received: 3/22/2010
Samples Received: 74
Date Analyzed: 3/29/2010
Samples Analyzed: 74

Attention: Peter Jowise

Project: King County Youth Service Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101474	7258.4-JH-028	1	Black rubbery window seal	None detected	5% Cellulose	Synthetic binder, fillers
101475	7258.4-JH-029	1	Black rubbery window seal	None detected	5% Cellulose	Synthetic binder, fillers
101476	7258.4-JH-030	1	Black rubbery window seal	None detected	5% Cellulose	Synthetic binder, fillers
101477	7258.4-JH-031	1	Brown rubbery caulk	None detected	None detected	Synthetic binder, fillers
101478	7258.4-JH-032	1	Brown rubbery caulk	None detected	None detected	Synthetic binder, fillers
101479	7258.4-JH-033	1	Brown rubbery caulk	None detected	None detected	Synthetic binder, fillers
101480	7258.4-JH-034	1	Brown rubbery caulk	None detected	None detected	Synthetic binder, fillers
101481	7258.4-JH-035	1	Brown rubbery caulk	None detected	None detected	Synthetic binder, fillers
101482	7258.4-JH-036	1	Gray putty	5% Chrysotile	None detected	Organic binder, fillers
101483	7258.4-JH-037	1	Gray putty	5% Chrysotile	None detected	Organic binder, fillers
101484	7258.4-JH-038	1	Black rubbery caulk	None detected	None detected	Synthetic binder, fillers
101485	7258.4-JH-039	1	Black rubbery caulk	None detected	None detected	Synthetic binder, fillers
101486	7258.4-JH-040	1	Beige grout	None detected	None detected	Mineral binder, fillers
101487	7258.4-JH-041	1	Beige grout	None detected	None detected	Mineral binder, fillers
101488	7258.4-JH-042	1	Black tar	None detected	10% Cellulose	Bituminous compound
		2	White synthetic foam	None detected	None detected	Synthetic binder, fillers
		3	White felt backing	None detected	75% Glass fibers	Adhesive compound
		4	Black rubber	None detected	None detected	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100124
Date Received: 3/22/2010
Samples Received: 74
Date Analyzed: 3/29/2010
Samples Analyzed: 74

Attention: Peter Jowise

Project: King County Youth Service Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101489	7258.4-JH-043	1	Gray/off-white paint	None detected	None detected	Synthetic binder, fillers
		2	Gray duct sealant	2% Chrysotile	None detected	Organic binder, fillers
101490	7258.4-JH-044	1	Gray/off-white paint	None detected	None detected	Synthetic binder, fillers
		2	Gray duct sealant	2% Chrysotile	None detected	Organic binder, fillers
101491	7258.4-JH-045	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Gray vent seam sealant	2% Chrysotile	None detected	Organic binder, fillers
101492	7258.4-JH-046	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Gray vent caulk	2% Chrysotile	None detected	Organic binder, fillers
101493	7258.4-JH-047	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101494	7258.4-JH-048	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101495	7258.4-JH-049	1	Gray/red paint layers	None detected	None detected	Synthetic binder, fillers
		2	White sealant	3% Chrysotile	None detected	Organic binder, fillers
101496	7258.4-JH-050	1	Gray/red paint layers	None detected	None detected	Synthetic binder, fillers
		2	White sealant	3% Chrysotile	None detected	Organic binder, fillers
101497	7258.4-JH-051	1	Gray/red paint layers	None detected	None detected	Synthetic binder, fillers
		2	White sealant	3% Chrysotile	None detected	Organic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100124
 Date Received: 3/22/2010
 Samples Received: 74
 Date Analyzed: 3/29/2010
 Samples Analyzed: 74

Attention: Peter Jowise

Project: King County Youth Service Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101498	7258.4-JH-052	1	Gray paint	None detected	None detected	Synthetic binder, fillers
		2	Black sealant	None detected	None detected	Synthetic binder, fillers
101499	7258.4-JH-053	1	Black sealant	None detected	5% Cellulose	Bituminous compound
101500	7258.4-JH-054	1	Gray paint	None detected	None detected	Synthetic binder, fillers
		2	Black sealant	None detected	5% Cellulose	Bituminous compound
101501	7258.4-JH-055	1	Silver paint	3% Chrysotile	None detected	Synthetic binder, fillers
		2	Black tar	None detected	None detected	Bituminous compound
101502	7258.4-JH-056	1	Gray duct wrap	None detected	60% Cellulose	Binders, synthetic and adhesive, fillers
101503	7258.4-JH-057	1	Black fibrous glass insulation	None detected	80% Glass fibers	Fine particles
101504	7258.4-JH-058	1	White woven material in gray/black rubbery material	None detected	75% Glass fibers	Synthetic binder, fillers
101505	7258.4-JH-059	1	White woven material in gray/black rubbery material	None detected	45% Glass fibers	Synthetic binder, fillers
101506	7258.4-JH-060	1	Black tar	None detected	<1% Cellulose	Bituminous compound
		2	White synthetic foam	None detected	None detected	Synthetic binder, fillers
		3	Black felt	None detected	80% Cellulose	Synthetic binder, fillers
		4	Black rubber	None detected	15% Glass fibers	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100124
Date Received: 3/22/2010
Samples Received: 74
Date Analyzed: 3/29/2010
Samples Analyzed: 74

Attention: Peter Jowise

Project: King County Youth Service Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101507	7258.4-JH-061	1	Black rubbery sealant	None detected	None detected	Synthetic binder, fillers
101508	7258.4-JH-062	1	Black tar	None detected	<1% Cellulose	Bituminous compound
		2	White synthetic foam	None detected	None detected	Synthetic binder, fillers
		3	Black felt	None detected	80% Cellulose 15% Glass fibers	Synthetic binder, fillers
		4	White woven material in white/blue rubber	None detected	25% Synthetic fibers	Synthetic binder, fillers
101509	7258.4-JH-063	1	Black tar	None detected	<1% Cellulose	Bituminous compound
		2	White synthetic foam	None detected	None detected	Synthetic binder, fillers
		3	Black felt	None detected	80% Cellulose 15% Glass fibers	Synthetic binder, fillers
		4	Black rubber	None detected	None detected	Synthetic binder, fillers
101510	7258.4-JH-064	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	White cementitious material	None detected	None detected	Mineral binder, fillers
		3	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101511	7258.4-JH-065	1	Gray/beige paint layers	None detected	None detected	Synthetic binder, fillers
		2	White cementitious material	None detected	None detected	Mineral binder, fillers
		3	Gray cementitious material	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100124
 Date Received: 3/22/2010
 Samples Received: 74
 Date Analyzed: 3/29/2010
 Samples Analyzed: 74

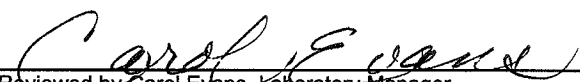
Attention: Peter Jowise

Project: King County Youth Service Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101512	7258.4-JH-066	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101513	7258.4-JH-067	1	Clear caulk	None detected	None detected	Synthetic binder, fillers
		2	Black tar sheet	None detected	60% Cellulose	Bituminous compound
101514	7258.4-JH-068	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Gray sealant	None detected	None detected	Synthetic binder, fillers
101515	7258.4-JH-069	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Gray putty	2% Chrysotile	None detected	Synthetic binder, fillers
101516	7258.4-JH-070	1	Black sealant	None detected	None detected	Synthetic binder, fillers
101517	7258.4-JH-071	1	White rubbery material	None detected	None detected	Synthetic binder, fillers
101518	7258.4-JH-072	1	Brown tar sheet	None detected	60% Cellulose	Bituminous compound
101519	7258.4-JH-073	1	Gray paint	None detected	None detected	Synthetic binder, fillers
		2	Gray caulk	None detected	None detected	Synthetic binder, fillers
101520	7258.4-JH-074	1	Light gray rubbery sealant	None detected	None detected	Synthetic binder, fillers

Analyzed by: Carol Evans


 Reviewed by Carol Evans, Laboratory Manager

MED-TOX SAFE ENVIRONMENT OF AMERICA, INC. d/b/a NORTH WEST 1701 West Valley Hwy North, Suite 1 Auburn, WA 98001 Telephone (253) 351-0677, Fax (253) 351-0688		Chain of Custody		Number of Samples		Due Date: 3/29 Due Time: 09:00	Page of
Lab Batch Number 100124		Archive Box No.				MTNW Proj. No. 7258.4	
Company: Herrera Env. Consultants Attention: Peter Jowise Street: 2200 6th Ave, Suite 1100 City/State: Seattle WA 98121 Phone: 206 441-9080 Fax: Cell: Email: pjowise@herreraenv.com Project Name: King County Youth Service Center Project / PO Number A-7258.4		Bulk Asbestos <input checked="" type="checkbox"/> PLM <input type="checkbox"/> Other (Please Specify) Airborne Asbestos <input type="checkbox"/> PCM <input type="checkbox"/> Other (Please Specify) Fungal Non-viable		Special Instructions for Batch			
Turn-Around Times <input type="checkbox"/> 2 hours <input type="checkbox"/> 3 work days <input type="checkbox"/> 4 hours <input type="checkbox"/> 4 work days <input checked="" type="checkbox"/> Same day <input type="checkbox"/> 1 work day		<input type="checkbox"/> Airborne <input type="checkbox"/> Bulk <input type="checkbox"/> Tape Lift <input type="checkbox"/> Other (Please Specify)					
Sample ID	Lab ID	Comments	Special Instructions for Samples				
1 7258.4-JH-001	101447	Three					
2 Through							
3 7258.4-JH-074	101520						
4 (See attached)							
5							
6							
7							
8							
9							
10							
11							
12							
13							
14							
15							
Sent to Admin (initials and date)		Relinquished by Signature Print Name Ingrid Bolzinger Date 3/21/10	Received by Signature Print Name C Eward Date 3/22/10	Time 09:00	Time 17:50	Analyzed by Signature Print Name C Eward Date 3/29/10	Time 18:20
Due date and time for samples received after 4:30 PM will be calculated from 8:00 AM the following business day.							

4/1/2010

Peter Jowise
Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Re: Bulk Asbestos Sample Analysis for Med-Tox Northwest Laboratory Batch # 100137 , A-7258.4

Dear Mr. Jowise,

Please find enclosed the test results for the bulk sample(s) submitted to our laboratory for evaluation of possible asbestos content. Unless otherwise stated in the report, all samples analyzed were in good condition upon receipt by the laboratory. Samples are held in archive for 1 year following analysis and then properly disposed of as hazardous waste.

Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116. Representative portions of your sample(s) were prepared on glass slides and analyzed at magnifications of 100X to 400X using dispersion staining and/or Becke line techniques. Unless stated otherwise on your report, fiber content was quantified by calibrated visual estimation in accordance with the method.

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Any comments the analyst may wish to make with regard to your sample(s) will appear as a note directly below the sample number on your report. If your analyst has not recommended a point count but you feel that a point count might be beneficial, please feel free to call and request one.

Please note, vinyl floor tiles may contain asbestos fibers too small to be detected by PLM. For this reason, negative results and results of <1% asbestos for vinyl floor tiles analyzed by US EPA/600/R-93/116 are not considered conclusive by the EPA. More sensitive methods of analysis such as electron microscopy are recommended for these samples.

The test results on this report refer only to the samples submitted. The accuracy with which these samples represent the materials *in situ* is totally dependent on the acuity of the person who took the samples.

This test report is not valid unless it bears the signature of a NVLAP approved signatory. Any reproduction of this document must include the entire document in order to be valid. Neither the NVLAP accreditation of this laboratory nor this report can be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Thank you for choosing Med-Tox Northwest laboratory services. If you have any questions regarding this report, please feel free to contact us.

Sincerely,



Carol Evans
Laboratory Manager



NVLAP Lab Code 102021-0

Med-Tox Northwest
1701 West Valley Highway North, Suite 1
Auburn, WA 98001

Phone (253) 351-0677
Fax (253) 351-0688
E-mail medtoxnw@msn.com

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100137
 Date Received: 3/24/2010
 Samples Received: 50
 Date Analyzed: 4/1/2010
 Samples Analyzed: 50

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101589	7258.4-JH-075	1	White acoustic compound with synthetic foam and paint	None detected	None detected	Synthetic and calcareous binders, fillers
101590	7258.4-JH-076	1	White acoustic compound with synthetic foam and paint	None detected	None detected	Synthetic and calcareous binders, fillers
101591	7258.4-JH-077	1	White acoustic compound with synthetic foam and paint	None detected	None detected	Synthetic and calcareous binders, fillers
101592	7258.4-JH-078	1	White acoustic compound with synthetic foam and paint	None detected	None detected	Synthetic and calcareous binders, fillers
101593	7258.4-JH-079	1	White acoustic compound with synthetic foam and paint	None detected	None detected	Synthetic and calcareous binders, fillers
101594	7258.4-JH-080	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White orange peel texture	None detected	None detected	Calcareous binder, fillers
101595	7258.4-JH-081	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White orange peel texture	None detected	None detected	Calcareous binder, fillers
101596	7258.4-JH-082	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White orange peel texture	None detected	None detected	Calcareous binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100137
 Date Received: 3/24/2010
 Samples Received: 50
 Date Analyzed: 4/1/2010
 Samples Analyzed: 50

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101597	7258.4-JH-083	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White orange peel texture	None detected	None detected	Calcareous binder, fillers
101598	7258.4-JH-084	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White orange peel texture	None detected	None detected	Calcareous binder, fillers
		3	White sheetrock	None detected	85% Cellulose <1% Glass fibers	Gypsum, fine particles
101599	7258.4-JH-085	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Green vinyl wallpaper with woven backing	None detected	35% Cellulose	Synthetic binder, fillers
		3	White wallpaper glue	None detected	None detected	Adhesive compound
101600	7258.4-JH-086	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
101601	7258.4-JH-087	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
101602	7258.4-JH-088	1	Beige tectum ceiling panel	None detected	None detected	Wood slivers, adhesive compound
101603	7258.4-JH-089	1	Beige tectum ceiling panel	None detected	None detected	Wood slivers, adhesive compound
101604	7258.4-JH-090 (cont.)	1	Off-white paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Gypsum, fine particles

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100137
Date Received: 3/24/2010
Samples Received: 50
Date Analyzed: 4/1/2010
Samples Analyzed: 50

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101604	7258.4-JH-090	3	Gray granular plaster	None detected	None detected	Sand, gypsum
101605	7258.4-JH-091	1	Off-white paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Gypsum, fine particles
		3	Gray granular plaster	None detected	None detected	Sand, gypsum
101606	7258.4-JH-092	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Gypsum, fine particles
		3	Gray granular plaster	None detected	None detected	Sand, gypsum
101607	7258.4-JH-093	1	Blue cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	<1% Talc fibers	Adhesive compound
101608	7258.4-JH-094	1	Blue cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	<1% Talc fibers	Adhesive compound
		5	Black non-asphaltic mastic	None detected	None detected	Adhesive compound
101609	7258.4-JH-095 (cont.)	1	Blue cove base	None detected	None detected	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100137
Date Received: 3/24/2010
Samples Received: 50
Date Analyzed: 4/1/2010
Samples Analyzed: 50

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101609	7258.4-JH-095	2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Yellowish mastic	None detected	None detected	Adhesive compound
Traces of brown mastic present - insufficient quantity for analysis						
101610	7258.4-JH-096	1	Beige cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	Off-white/white paint	None detected	None detected	Synthetic binder, fillers
		4	Yellowish mastic	None detected	None detected	Adhesive compound
		5	Tan paint	None detected	None detected	Synthetic binder, fillers
101611	7258.4-JH-097	1	Beige cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	Off-white/white paint	None detected	None detected	Synthetic binder, fillers
		4	White mastic	None detected	None detected	Adhesive compound
		5	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
101612	7258.4-JH-098	1	Beige cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
101613	7258.4-JH-099	1	Clear brown mastic	None detected	None detected	Adhesive compound
101614	7258.4-JH-100	1	Clear brown mastic	None detected	None detected	Adhesive compound

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100137
Date Received: 3/24/2010
Samples Received: 50
Date Analyzed: 4/1/2010
Samples Analyzed: 50

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101615	7258.4-JH-101	1	Clear brown mastic	None detected	None detected	Adhesive compound
101616	7258.4-JH-102	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Black vibration damper with white woven core	None detected	35% Glass fibers	Synthetic binder, fillers
101617	7258.4-JH-103	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Black vibration damper with white woven core	None detected	35% Glass fibers	Synthetic binder, fillers
101618	7258.4-JH-104	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Black vibration damper with white woven core	None detected	35% Glass fibers	Synthetic binder, fillers
101619	7258.4-JH-105	1	Black mastic	None detected	None detected	Bituminous compound
		2	Tan fibrous insulation	None detected	95% Glass fibers	Resin
101620	7258.4-JH-106	1	Black mastic	None detected	None detected	Bituminous compound
		2	Tan fibrous insulation	None detected	95% Glass fibers	Resin
101621	7258.4-JH-107	1	Black mastic	None detected	None detected	Bituminous compound
		2	Tan fibrous insulation	None detected	95% Glass fibers	Resin
101622	7258.4-JH-108	1	Beige speckled ceramic tile	None detected	None detected	Mineral binder, fillers
		2	Gray thin set	None detected	None detected	Mineral binder, fillers
		3	Gray grout	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100137
 Date Received: 3/24/2010
 Samples Received: 50
 Date Analyzed: 4/1/2010
 Samples Analyzed: 50

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101623	7258.4-JH-109	1	Beige speckled ceramic tile	None detected	None detected	Mineral binder, fillers
		2	Gray thin set	None detected	None detected	Mineral binder, fillers
		3	Gray grout	None detected	None detected	Mineral binder, fillers
101624	7258.4-JH-110	1	Beige speckled ceramic tile	None detected	None detected	Mineral binder, fillers
		2	Gray thin set	None detected	None detected	Mineral binder, fillers
		3	Gray grout	None detected	None detected	Mineral binder, fillers
101625	7258.4-JH-111	1	Multi-colored looped carpet	None detected	85% Synthetic fibers	Synthetic binder, fillers
		2	Green mastic	None detected	None detected	Adhesive compound
		3	Tan mastic	None detected	None detected	Adhesive compound
101626	7258.4-JH-112	1	Tan mastic	None detected	None detected	Adhesive compound
101627	7258.4-JH-113	1	Tan mastic	None detected	None detected	Adhesive compound
101628	7258.4-JH-114	1	Tan mastic	None detected	None detected	Adhesive compound
101629	7258.4-JH-115	1	Gray sink undercoat	None detected	20% Cellulose	Synthetic binder, fillers
101630	7258.4-JH-116	1	Gray sink undercoat	None detected	20% Cellulose	Synthetic binder, fillers
101631	7258.4-JH-117	1	Tan/white rubbery sealant	None detected	None detected	Synthetic binder, fillers
101632	7258.4-JH-118	1	Tan/white rubbery sealant	None detected	None detected	Synthetic binder, fillers
101633	7258.4-JH-119	1	Tan/white rubbery sealant	None detected	None detected	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100137
 Date Received: 3/24/2010
 Samples Received: 50
 Date Analyzed: 4/1/2010
 Samples Analyzed: 50


Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101634	7258.4-JH-120	1	Gray paint	None detected	25% Glass fibers	Synthetic binder, fillers
		2	Gray fibrous material	None detected	85% Glass fibers	Resin, fine particles
101635	7258.4-JH-121	1	Gray-brown stick pin adhesive	5% Chrysotile	None detected	Adhesive compound
101636	7258.4-JH-122	1	Gray-brown stick pin adhesive	5% Chrysotile	None detected	Adhesive compound
		2	Yellow fibrous insulation	None detected	95% Glass fibers	Resin
101637	7258.4-JH-123	1	Gray-brown stick pin adhesive	5% Chrysotile	None detected	Adhesive compound
101638	7258.4-JH-124	1	Black HVAC door sealant	None detected	None detected	Synthetic binder, fillers

Analyzed by: Carol Evans


 Reviewed by Carol Evans, Laboratory Manager



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Chain of Custody

Number of
Samples

50

Due Date: 3/31
Due Time: COB

Page 1 of 4

Lab Batch Number 100137

Archive Box No.

MTNW Proj. No. A-7258.4

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 2200 6th Ave, Suite 1100

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell: Email: pjowise@herrerainc.com

Project Name: King County Youth Services Center

Project No. / PO Number A-7258.4

Special Instructions for Batch

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

Fungal Non-viable

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

Turn-Around Times

☐ 2 hours

☐ 3 work days

☐ 4 hours

☐ 4 work days

☐ Same day

☒ 5 work days

☐ 1 work day

☐ 2 work days

☐ 3 work days

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☐ 3 work days</



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Chain of Custody

Number of
Samples

50

Due Date:
Due Time:

Page 2 of 4

Lab Batch Number

Archive Box No.

MTN/W Proj. No.

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: plowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Special Instructions for Batch

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

☐

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

☐

Fungal Non-viable

Turn-Around Times

☐ 2 work days

☐ 2 hours

☐ 3 work days

☐ 4 hours

☐ 4 work days

☐ Same day

☒ 5 work days

☐ 1 work day

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

Sample ID

Lab ID

Comments

Special Instructions for Samples

1 7258.4-JH-090

2 7258.4-JH-091

3 7258.4-JH-092

4 7258.4-JH-093

5 7258.4-JH-094

6 7258.4-JH-095

7 7258.4-JH-096

8 7258.4-JH-097

9 7258.4-JH-098

10 7258.4-JH-099

11 7258.4-JH-100

12 7258.4-JH-101

13 7258.4-JH-102

14 7258.4-JH-103

15 7258.4-JH-104

Relinquished by

Signature: *John A. Havelock*

Print Name: John Havelock

Date: 24-Mar-10

Received by

Signature: *C. E. Reed*

Print Name: C. E. Reed

Date: 3/24/10

Analyzed by

Signature: *C. E. Reed*

Print Name: C. E. Reed

Date: 4/11/10



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Chain of Custody

Number of
Samples

50

Due Date:
Due Time:

Page 3 of 4

Lab Batch Number

Archive Box No.

MTN/W Proj. No.

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: plowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Special Instructions for Batch

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

Fungal Non-viable

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

Turn-Around Times

☐ 2 hours ☐ 2 work days

☐ 4 hours ☐ 3 work days

☐ Same day ☒ 4 work days

☐ 1 work day ☐ 5 work days

Sample ID

Lab ID

Comments

Special Instructions for Samples

1 7258.4-JH-105

2 7258.4-JH-106

3 7258.4-JH-107

4 7258.4-JH-108

5 7258.4-JH-109

6 7258.4-JH-110

7 7258.4-JH-111

8 7258.4-JH-112

9 7258.4-JH-113

10 7258.4-JH-114

11 7258.4-JH-115

12 7258.4-JH-116

13 7258.4-JH-117

14 7258.4-JH-118

15 7258.4-JH-119

Relinquished by

Signature

Print Name

Jon Havelock
Jon Havelock

Received by

(Signature)

Print Name

CE
CE

Analyzed by

(Signature)

Print Name

CE
CE

@ \$

Date 24-Mar-10

Time

Date 3/24/10

Time 15:20

Date 4/1/10

Time



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Chain of Custody

Number of Samples 50 Due Date: Due Time: Page 3 of 4

Lab Batch Number

Archive Box No.

MTNW Proj. No.

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

Fungal Non-viable

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

Turn-Around Times

☐ 2 hours

☐ 3 work days

☐ 4 hours

☐ 4 work days

☒ Same day

☐ 5 work days

☐ 1 work day

Sample ID

Lab ID

Comments

Special Instructions for Samples

1 7258.4-JH-120

2 7258.4-JH-121

3 7258.4-JH-122

4 7258.4-JH-123

5 7258.4-JH-124

6

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15

Special Instructions for Batch

@ \$

Relinquished by
Signature
Print Name Jon Havlock

Date 24-Mar-10 Time

Received by
(Signature)
Print Name

Date 3/24/10 Time 15:00

Analyzed by
(Signature)
Print Name

Date 4/11/10 Time

4/2/2010

Peter Jowise
Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Re: Bulk Asbestos Sample Analysis for Med-Tox Northwest Laboratory Batch # 100138 , A-7258.4

Dear Mr. Jowise,

Please find enclosed the test results for the bulk sample(s) submitted to our laboratory for evaluation of possible asbestos content. Unless otherwise stated in the report, all samples analyzed were in good condition upon receipt by the laboratory. Samples are held in archive for 1 year following analysis and then properly disposed of as hazardous waste.

Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116. Representative portions of your sample(s) were prepared on glass slides and analyzed at magnifications of 100X to 400X using dispersion staining and/or Becke line techniques. Unless stated otherwise on your report, fiber content was quantified by calibrated visual estimation in accordance with the method.

The Environmental Protection Agency (EPA) does not regulate materials containing <1% (less than one percent) asbestos. Because the uncertainty in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). The relative standard deviation for data in this range for the Med-Tox Northwest Laboratory is 0.309.

Any comments the analyst may wish to make with regard to your sample(s) will appear as a note directly below the sample number on your report. If your analyst has not recommended a point count but you feel that a point count might be beneficial, please feel free to call and request one.

Please note, vinyl floor tiles may contain asbestos fibers too small to be detected by PLM. For this reason, negative results and results of <1% asbestos for vinyl floor tiles analyzed by US EPA/600/R-93/116 are not considered conclusive by the EPA. More sensitive methods of analysis such as electron microscopy are recommended for these samples.

The test results on this report refer only to the samples submitted. The accuracy with which these samples represent the materials *in situ* is totally dependent on the acuity of the person who took the samples.

This test report is not valid unless it bears the signature of a NVLAP approved signatory. Any reproduction of this document must include the entire document in order to be valid. Neither the NVLAP accreditation of this laboratory nor this report can be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Thank you for choosing Med-Tox Northwest laboratory services. If you have any questions regarding this report, please feel free to contact us.

Sincerely,


Carol Evans
Laboratory Manager

NVLAP[®]

NVLAP Lab Code 102021-0

Med-Tox Northwest
1701 West Valley Highway North, Suite 1
Auburn, WA 98001

Phone (253) 351-0677
Fax (253) 351-0688
E-mail medtoxnw@msn.com

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100138
Date Received: 3/29/2010
Samples Received: 31
Date Analyzed: 4/2/2010
Samples Analyzed: 31

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101639	7258.4-JH-125	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Black rubbery seal	None detected	None detected	Synthetic binder, fillers
101640	7258.4-JH-126	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Black rubbery seal	None detected	None detected	Synthetic binder, fillers
101641	7258.4-JH-127	1	Dark brown cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	Brown mastic	None detected	3% Talc fibers	Adhesive compound
101642	7258.4-JH-128	1	Dark brown cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	3% Talc fibers	Adhesive compound
101643	7258.4-JH-129	1	Olive cove base	None detected	None detected	Synthetic binder, fillers
		2	Brown mastic	None detected	None detected	Adhesive compound
101644	7258.4-JH-130	1	Olive cove base	None detected	None detected	Synthetic binder, fillers
		2	Brown mastic	None detected	None detected	Adhesive compound
101645	7258.4-JH-131	1	Light brown cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
Traces of brown mastic were present in quantities insufficient for analysis.						
(cont.)						

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100138
Date Received: 3/29/2010
Samples Received: 31
Date Analyzed: 4/2/2010
Samples Analyzed: 31

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101645	7258.4-JH-131	4	White compacted powdery material	None detected	None detected	Calcareous binder, fillers
101646	7258.4-JH-132	1	Red-brown cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
101647	7258.4-JH-133	1	Black cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	White compacted powdery material	None detected	<1% Cellulose	Gypsum, fine particles
101648	7258.4-JH-134	1	Blue cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	3% Talc fibers	Adhesive compound
101649	7258.4-JH-135	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	White caulk	None detected	None detected	Synthetic binder, fillers
		3	Gray grout	None detected	None detected	Mineral binder, fillers
101650	7258.4-JH-136	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray grout	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100138
Date Received: 3/29/2010
Samples Received: 31
Date Analyzed: 4/2/2010
Samples Analyzed: 31

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101651	7258.4-JH-146	1	Gray-brown stick pin adhesive	5% Chrysotile	None detected	Adhesive compound
101652	7258.4-JH-147	1	Gray-brown stick pin adhesive	5% Chrysotile	None detected	Adhesive compound
101653	7258.4-JH-148	1	Black tar sheet	None detected	50% Cellulose	Bituminous compound
101654	7258.4-JH-149	1	White sheetrock with foil back	None detected	70% Cellulose <1% Glass fibers	Metal foil, gypsum, fine particles
101655	7258.4-JH-150	1	White sheetrock with foil back	None detected	70% Cellulose <1% Glass fibers	Metal foil, gypsum, fine particles
101656	7258.4-JH-151	1	Black vibration damper with white woven center	None detected	35% Glass fibers	Synthetic binder, fillers
101657	7258.4-JH-152	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	Black vibration damper with white woven center	None detected	35% Glass fibers	Synthetic binder, fillers
101658	7258.4-JH-153	1	Gray floor coating	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101659	7258.4-JH-154	1	Gray floor coating	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101660	7258.4-JH-155	1	White flange gasket	None detected	None detected	Synthetic binder, fillers
101661	7258.4-JH-156	1	Gray flange gasket	3% Chrysotile	None detected	Synthetic binder, fillers
101662	7258.4-JH-157	1	Black flange gasket	None detected	None detected	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100138
 Date Received: 3/29/2010
 Samples Received: 31
 Date Analyzed: 4/2/2010
 Samples Analyzed: 31

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101663	7258.4-JH-158	1	White sheetrock with foil back	None detected	70% Cellulose 1% Glass fibers	Metal foil, gypsum, fine particles
101664	7258.4-JH-159	1	Gray/aqua floor coating layers	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101665	7258.4-JH-160	1	Beige/red paint layers	None detected	None detected	Synthetic binder, fillers
		2	Black vibration damper with white woven center	None detected	35% Glass fibers	Synthetic binder, fillers
101666	7258.4-JH-161	1	Silver paint	None detected	None detected	Synthetic binder, fillers
		2	Red duct jacket adhesive	None detected	None detected	Synthetic binder, fillers
101667	7258.4-JH-162	1	Silver paint	None detected	None detected	Synthetic binder, fillers
		2	Red duct jacket adhesive	None detected	None detected	Synthetic binder, fillers
101668	7258.4-JH-163	1	Tan rubbery material	None detected	None detected	Synthetic binder, fillers
101669	7258.4-JH-164	1	Silver paint	3% Chrysotile	None detected	Synthetic binder, fillers

Analyzed by: Carol Evans

Carol Evans
 Reviewed by Carol Evans, Laboratory Manager

Chain of Custody

Due Date: 4/1
Due Time: COB

Number of Samples 31

Page 1 of 3

Lab Batch Number **100138** Archive Box No.

MTNW Proj. No. A-7258.4

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 2200 6th Ave, Suite 1100

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: plowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Special Instructions for Batch

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

☐

Fungal Non-viable

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

Turn-Around Times ☐ 2 work days

☐ 2 hours ☐ 3 work days

☐ 4 hours ☐ 4 work days

☐ Same day ☒ 5 work days

☐ 1 work day ☐

Sample ID

Lab ID

Special Instructions for Samples

1	7258.4-JH-125	101639	
2	7258.4-JH-126	Thru	
3	7258.4-JH-127	101678	
4	7258.4-JH-128		
5	7258.4-JH-129	(See Attached)	
6	7258.4-JH-130		
7	7258.4-JH-131		
8	7258.4-JH-132		
9	7258.4-JH-133		
10	7258.4-JH-134		
11	7258.4-JH-135		
12	7258.4-JH-136		
13	7258.4-JH-146		
14	7258.4-JH-147		
15	7258.4-JH-148		

@ \$

Relinquished by

Signature

Print Name

Received by

Signature

Print Name

Analyzed by

Signature

Print Name

Date 25-Mar-10

Time 11:00

Date 3/29/10

Time 09:00

Date 4/1/10

Time 17:00

Company: Herrera Environmental Consult.
Report to: Peter Jowise
Street: 11811 NE First Street, Suite 201
City: Seattle State/Zip: WA 98121
Phone: 206-441-9080 Fax: 206-441-9108
Cell: _____
Email: pjowise@herrerainc.com
Project Name: _____
King County Youth Services Center
Project No. / PO Number A-7258.4

Turn-Around Times ☐ 2 work days ☐ 3 work days
☐ 4 hours ☐ 4 work days
☐ 4 hours ☐ 4 work days
☐ Same day ☒ 5 work days
☐ 1 work day ☐

Chain of Custody

Lab Batch Number 100138 Archive Box No. _____

Number of Samples 31

Due Date: _____
Due Time: _____

Page 2 of 3

MTNW Proj. No. _____

Special Instructions for Batch

Bulk Asbestos
☒ PLM
☐ Other (Please Specify) _____

Airborne Asbestos
☐ PCM
☐ Other (Please Specify) _____

Fungal Non-viable

☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify) _____

Special Instructions for Samples

Comments

Sample ID

1

7258.4-JH-149

2

7258.4-JH-150

3

7258.4-JH-151

4

7258.4-JH-152

5

7258.4-JH-153

6

7258.4-JH-154

7

7258.4-JH-155

8

7258.4-JH-156

9

7258.4-JH-157

10

7258.4-JH-158

11

7258.4-JH-159

12

7258.4-JH-160

13

7258.4-JH-161

14

7258.4-JH-162

15

7258.4-JH-163

@ \$

Relinquished by
Signature _____
Print Name Jon Havelock

Received by
Signature _____
Print Name _____

Analyzed by
Signature _____
Print Name _____

Date 25-Mar-10

Time 11:00

Date 3/29/10

Time 09:00

Date 4/2/10

Time 17:00



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell: -

Email: plowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

- ☐ 2 hours ☐ 2 work days
☐ 4 hours ☐ 3 work days
☐ Same day ☒ 4 work days
☐ 1 work day ☐ 5 work days

Sample ID

Lab ID

Comments

Special Instructions for Samples

1

7258.4-JH-164

2

3

4

5

6

7

8

9

10

11

12

13

14

15

Chain of Custody

Number of Samples

31

Due Date:
Due Time:

Page 3 of 3

Lab Batch Number 100138 Archive Box No.

MTNW Proj. No.

Special Instructions for Batch

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

☐

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

☐

☐

☐

Fungal Non-viable

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

@ \$

Relinquished by

Signature

Print Name

Date 25-Mar-10

Time 11:00

Received by

Signature

Print Name

Date 3/29/10

Time 09:00

Analyzed by

Signature

Print Name

Date 4/2/10

Time 17:00

4/6/2010

Peter Jowise
Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Re: Bulk Asbestos Sample Analysis for Med-Tox Northwest Laboratory Batch # 100139 , A-7258.4

Dear Mr. Jowise,

Please find enclosed the test results for the bulk sample(s) submitted to our laboratory for evaluation of possible asbestos content. Unless otherwise stated in the report, all samples analyzed were in good condition upon receipt by the laboratory. Samples are held in archive for 1 year following analysis and then properly disposed of as hazardous waste.

Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116. Representative portions of your sample(s) were prepared on glass slides and analyzed at magnifications of 100X to 400X using dispersion staining and/or Becke line techniques. Unless stated otherwise on your report, fiber content was quantified by calibrated visual estimation in accordance with the method.

The Environmental Protection Agency (EPA) does not regulate materials containing <1% (less than one percent) asbestos. Because the uncertainty in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). The relative standard deviation for data in this range for the Med-Tox Northwest Laboratory is 0.309.

Any comments the analyst may wish to make with regard to your sample(s) will appear as a note directly below the sample number on your report. If your analyst has not recommended a point count but you feel that a point count might be beneficial, please feel free to call and request one.

Please note, vinyl floor tiles may contain asbestos fibers too small to be detected by PLM. For this reason, negative results and results of <1% asbestos for vinyl floor tiles analyzed by US EPA/600/R-93/116 are not considered conclusive by the EPA. More sensitive methods of analysis such as electron microscopy are recommended for these samples.

The test results on this report refer only to the samples submitted. The accuracy with which these samples represent the materials *in situ* is totally dependent on the acuity of the person who took the samples.

This test report is not valid unless it bears the signature of a NVLAP approved signatory. Any reproduction of this document must include the entire document in order to be valid. Neither the NVLAP accreditation of this laboratory nor this report can be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Thank you for choosing Med-Tox Northwest laboratory services. If you have any questions regarding this report, please feel free to contact us.

Sincerely,


Carol Evans
Laboratory Manager

NVLAP[®]

NVLAP Lab Code 102021-0

Med-Tox Northwest
1701 West Valley Highway North, Suite 1
Auburn, WA 98001

Phone (253) 351-0677
Fax (253) 351-0688
E-mail medtoxnw@msn.com

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100139
 Date Received: 3/30/2010
 Samples Received: 43
 Date Analyzed: 4/6/2010
 Samples Analyzed: 43

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101670	7258.4-JH-137	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray putty	None detected	None detected	Organic binder, fillers
		3	White skim coat	None detected	None detected	Mineral binder, fillers
		4	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101671	7258.4-JH-138	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers
		3	Gray plaster	None detected	None detected	Mineral binder, fillers
101672	7258.4-JH-139	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers
		3	Gray plaster	None detected	None detected	Mineral binder, fillers
101673	7258.4-JH-140	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers
		3	Gray plaster	None detected	None detected	Mineral binder, fillers
101674	7258.4-JH-141	1	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound
101675	7258.4-JH-142	1	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound
		3	Gray leveling compound	None detected	5% Cellulose	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100139
Date Received: 3/30/2010
Samples Received: 43
Date Analyzed: 4/6/2010
Samples Analyzed: 43

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101676	7258.4-JH-143	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
101677	7258.4-JH-144	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	Tan mastic	None detected	None detected	Adhesive compound
		3	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
101678	7258.4-JH-145	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers
		3	Gray plaster	None detected	None detected	Mineral binder, fillers
101679	7258.4-JH-168	1	White skim coat	None detected	None detected	Mineral binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101680	7258.4-JH-169	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers
101681	7258.4-JH-170	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100139
 Date Received: 3/30/2010
 Samples Received: 43
 Date Analyzed: 4/6/2010
 Samples Analyzed: 43

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101682	7258.4-JH-171	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat/rust	None detected	None detected	Metal oxide, calcareous binder, fillers
101683	7258.4-JH-172	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Calcareous binder, fillers
101684	7258.4-JH-173	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers
101685	7258.4-JH-174	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers
101686	7258.4-JH-175	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Tan ceiling tile	None detected	50% Cellulose	Perlite, glass beads
101687	7258.4-JH-176	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	60% Cellulose 10% Mineral wool	Perlite, glass beads
101688	7258.4-JH-177	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Tan ceiling tile	None detected	50% Cellulose	Perlite, glass beads
101689	7258.4-JH-178	1	Beige tectum ceiling panel	None detected	None detected	Wood slivers, adhesive compound

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

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2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100139
Date Received: 3/30/2010
Samples Received: 43
Date Analyzed: 4/6/2010
Samples Analyzed: 43

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101690	7258.4-JH-179	1	Silver colored foil/paper wrap	None detected	50% Cellulose 10% Glass fibers	Metal foil, adhesive compound
		2	Black mastic	None detected	None detected	Bituminous compound
		3	Pink fibrous insulation	None detected	95% Glass fibers	Resin
101691	7258.4-JH-180	1	Black mastic	None detected	None detected	Bituminous compound
		2	Tan fibrous insulation	None detected	95% Glass fibers	Resin
101692	7258.4-JH-181	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Brown adhesive	None detected	None detected	Adhesive compound
101693	7258.4-JH-182	1	Green vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound
101694	7258.4-JH-183	1	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Tan mastic	None detected	None detected	Adhesive compound
		3	Black mastic	3% Chrysotile	None detected	Bituminous compound
101695	7258.4-JH-184	1	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
Clear yellow mastic present, but insufficient material for analysis.						
101696	7258.4-JH-185 (cont.)	1	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100139
 Date Received: 3/30/2010
 Samples Received: 43
 Date Analyzed: 4/6/2010
 Samples Analyzed: 43

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101696	7258.4-JH-185	3	Gray leveling compound	None detected	5% Cellulose	Synthetic binder, fillers
101697	7258.4-JH-186	1	Brown cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
101698	7258.4-JH-187	1	Tan mastic	None detected	None detected	Adhesive compound
101699	7258.4-JH-188	1	Brown cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	3% Talc fibers	Adhesive compound
101700	7258.4-JH-189	1	Light gray/off-white paint	None detected	None detected	Synthetic binder, fillers
		2	White texturing compound	None detected	None detected	Calcareous binder, fillers
101701	7258.4-JH-190	1	Light gray/off-white paint	None detected	None detected	Synthetic binder, fillers
		2	White texturing compound	None detected	None detected	Calcareous binder, fillers
		3	Green plastic (embedded in texturing compound)	None detected	None detected	Polyethylene
101702	7258.4-JH-191	1	Light gray/off-white paint	None detected	None detected	Synthetic binder, fillers
		2	White texturing compound	None detected	None detected	Calcareous binder, fillers
101703	7258.4-JH-192	1	Blue ceramic tile	None detected	None detected	Mineral binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
Laboratory Batch #: 100139
Date Received: 3/30/2010
Samples Received: 43
Date Analyzed: 4/6/2010
Samples Analyzed: 43

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101704	7258.4-JH-193	1	Blue ceramic tile	None detected	None detected	Mineral binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101705	7258.4-JH-194	1	Beige mastic	None detected	None detected	Adhesive compound
		2	White paint	None detected	None detected	Synthetic binder, fillers
		3	White compacted powdery material	None detected	None detected	Calcareous binder, fillers
101706	7258.4-JH-195	1	Beige mastic	None detected	None detected	Adhesive compound
		2	White paint	None detected	None detected	Synthetic binder, fillers
		3	White compacted powdery material	None detected	None detected	Calcareous binder, fillers
101707	7258.4-JH-196	1	Gray ceramic tile	None detected	None detected	Mineral binder, fillers
		2	Gray grout	None detected	None detected	Mineral binder, fillers
		3	Tan mastic	None detected	<1% Cellulose	Adhesive compound
		4	Brown paper	None detected	100% Cellulose	None detected
101708	7258.4-JH-197	1	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound
101709	7258.4-JH-198	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	Tan mastic	None detected	None detected	Adhesive compound
101710	7258.4-JH-199	1	Tan mastic	None detected	None detected	Adhesive compound
		2	Black mastic	3% Chrysotile	None detected	Bituminous compound

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100139
 Date Received: 3/30/2010
 Samples Received: 43
 Date Analyzed: 4/6/2010
 Samples Analyzed: 43

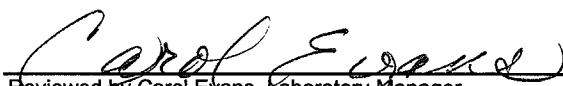
Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101711	7258.4-JH-200	1	Gray ceramic tile	None detected	None detected	Mineral binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
		3	White cementitious material	None detected	None detected	Mineral binder, fillers
101712	7258.4-JH-201	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	35% Cellulose 35% Mineral wool	Perlite, glass beads

Analyzed by: Carol Evans


 Reviewed by Carol Evans, Laboratory Manager

Chain of Custody

Number of
Samples

Due Date: 4/6

Due Time: COB

Page 1 of 3

Lab Batch Number

100139

Archive Box No.

MTNW Proj. No. A-7258.4

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 2200 6th Ave, Suite 1100

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

- ☐ 2 hours ☐ 2 work days
☐ 4 hours ☐ 3 work days
☐ Same day ☒ 4 work days
☐ 1 work day ☐ 5 work days

Special Instructions for Batch

Bulk Asbestos

- ☒ PLM
☐ Other (Please Specify)
☐

Airborne Asbestos

- ☐ PCM
☐ Other (Please Specify)
☐
☐

Fungal Non-viable

- ☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Sample ID

Lab ID

Comments

Special Instructions for Samples

1

7258.4-JH-137

1011670

2

7258.4-JH-138

Thru

3

7258.4-JH-139

101712

4

7258.4-JH-140

(See Attached)

5

7258.4-JH-141

6

7258.4-JH-142

7

7258.4-JH-143

8

7258.4-JH-144

9

7258.4-JH-145

10

7258.4-JH-168

11

7258.4-JH-169

12

7258.4-JH-170

13

7258.4-JH-171

14

7258.4-JH-172

15

7258.4-JH-173

@ \$

Relinquished by

Signature
Print Name

Received by

Signature
Print Name

Analyzed by

Signature
Print Name

Date 30-Mar-10

Time 12:00

Date 3/30/10

Time 15:41

Date 4/6/10

Time

Chain of Custody

Number of Samples

43

Due Date: 4/6
Due Time:

Page 2 of 3

Lab Batch Number 100139 Archive Box No.

MTNW Proj. No. A-7258.4

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: plowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Special Instructions for Batch

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

☐

☐

☐

Fungal Non-viable

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

Turn-Around Times

☐ 2 work days

☐ 3 work days

☐ 4 work days

☒ 5 work days

☐ 1 work day

Special Instructions for Samples

Lab ID

Comments

1	7258.4-JH-174	
2	7258.4-JH-175	
3	7258.4-JH-176	
4	7258.4-JH-177	
5	7258.4-JH-178	
6	7258.4-JH-179	
7	7258.4-JH-180	
8	7258.4-JH-181	
9	7258.4-JH-182	
10	7258.4-JH-183	
11	7258.4-JH-184	
12	7258.4-JH-185	
13	7258.4-JH-186	
14	7258.4-JH-187	
15	7258.4-JH-188	

Relinquished by

@ \$

Signature

Print Name

Date 30-Mar-10

Received by

Signature

Print Name

Date 3/30/10

Analyzed by

Signature

Print Name

Date 4/6/10

Time

Chain of Custody

Due Date: 4/16
Due Time:
Page 3 of 3

Number of Samples 43

Lab Batch Number 100139
Archive Box No. A7258.4

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell: -

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Special Instructions for Batch

Bulk Asbestos
☒ PLM
☐ Other (Please Specify)

Airborne Asbestos
☐ PCM
☐ Other (Please Specify)

Fungal Non-viable

Turn-Around Times
☐ 2 hours
☐ 3 work days
☐ 4 hours
☐ 4 work days
☒ Same day
☐ 5 work days
☐ 1 work day

☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Special Instructions for Samples

Comments

Lab ID

Sample ID

1	7258.4-JH-189
2	7258.4-JH-190
3	7258.4-JH-191
4	7258.4-JH-192
5	7258.4-JH-193
6	7258.4-JH-194
7	7258.4-JH-195
8	7258.4-JH-196
9	7258.4-JH-197
10	7258.4-JH-198
11	7258.4-JH-199
12	7258.4-JH-200
13	7258.4-JH-201
14	
15	

@ \$

Relinquished by
Signature
Print Name Jon Havelock

Date 30-Mar-10

Received by
Signature
Print Name

Date 3/30/10

Analyzed by
Signature
Print Name

Date 4/6/10

Time 15:41

Time

4/8/2010

Peter Jowise
Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Re: Bulk Asbestos Sample Analysis for Med-Tox Northwest Laboratory Batch # 100140 , A7258.4

Dear Mr. Jowise,

Please find enclosed the test results for the bulk sample(s) submitted to our laboratory for evaluation of possible asbestos content. Unless otherwise stated in the report, all samples analyzed were in good condition upon receipt by the laboratory. Samples are held in archive for 1 year following analysis and then properly disposed of as hazardous waste.

Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116. Representative portions of your sample(s) were prepared on glass slides and analyzed at magnifications of 100X to 400X using dispersion staining and/or Becke line techniques. Unless stated otherwise on your report, fiber content was quantified by calibrated visual estimation in accordance with the method.

The Environmental Protection Agency (EPA) does not regulate materials containing <1% (less than one percent) asbestos. Because the uncertainty in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). The relative standard deviation for data in this range for the Med-Tox Northwest Laboratory is 0.309.

Any comments the analyst may wish to make with regard to your sample(s) will appear as a note directly below the sample number on your report. If your analyst has not recommended a point count but you feel that a point count might be beneficial, please feel free to call and request one.

Please note, vinyl floor tiles may contain asbestos fibers too small to be detected by PLM. For this reason, negative results and results of <1% asbestos for vinyl floor tiles analyzed by US EPA/600/R-93/116 are not considered conclusive by the EPA. More sensitive methods of analysis such as electron microscopy are recommended for these samples.

The test results on this report refer only to the samples submitted. The accuracy with which these samples represent the materials *in situ* is totally dependent on the acuity of the person who took the samples.

This test report is not valid unless it bears the signature of a NVLAP approved signatory. Any reproduction of this document must include the entire document in order to be valid. Neither the NVLAP accreditation of this laboratory nor this report can be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Thank you for choosing Med-Tox Northwest laboratory services. If you have any questions regarding this report, please feel free to contact us.

Sincerely,


Carol Evans
Laboratory Manager

NVLAP[®]

NVLAP Lab Code 102021-0

Med-Tox Northwest
1701 West Valley Highway North, Suite 1
Auburn, WA 98001

Phone (253) 351-0677
Fax (253) 351-0688
E-mail medtoxnw@msn.com

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101713	7258.4-JH-202	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	60% Cellulose <1% Glass fibers	Perlite, glass beads
101714	7258.4-JH-203	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	60% Cellulose <1% Glass fibers	Perlite, glass beads
101715	7258.4-JH-204	1	Green mastic	None detected	None detected	Adhesive compound
101716	7258.4-JH-205	1	Yellow mastic	None detected	None detected	Adhesive compound
101717	7258.4-JH-206	1	Dark blue cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	3% Talc fibers	Adhesive compound
		5	Brown paper	None detected	100% Cellulose	None detected
101718	7258.4-JH-207	1	Blue cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	3% Talc fibers	Adhesive compound
101719	7258.4-JH-208	1	White vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Black mastic	4% Chrysotile	None detected	Bituminous compound

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101720	7258.4-JH-209	1	Green vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Black mastic	3% Chrysotile	None detected	Bituminous compound
101721	7258.4-JH-210	1	Yellow mastic	None detected	None detected	Adhesive compound
101722	7258.4-JH-211	1	Yellow mastic	None detected	None detected	Adhesive compound
		2	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
		3	Black mastic	5% Chrysotile	None detected	Bituminous compound
101723	7258.4-JH-212	1	Silver colored foil/paper cover	None detected	50% Cellulose	Metal foil, adhesive compound
		2	Yellow fibrous insulation	None detected	95% Glass fibers	Resin
		3	Beige powdery fibrous material	3% Chrysotile	35% Mineral wool 3% Cellulose	Mineral binder, fillers
101724	7258.4-JH-213	1	Black asphaltic material	None detected	None detected	Bituminous compound
		2	Yellow fibrous insulation	None detected	95% Glass fibers	Resin
		3	Beige powdery fibrous material	3% Chrysotile	35% Mineral wool <1% Cellulose	Mineral binder, fillers
101725	7258.4-JH-214	1	Black asphaltic material	None detected	None detected	Bituminous compound
		2	Yellow fibrous insulation	None detected	95% Glass fibers	Resin
		3	Beige powdery fibrous material	3% Chrysotile	35% Mineral wool <1% Cellulose	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A7258.4
 Laboratory Batch #: 100140
 Date Received: 4/1/2010
 Samples Received: 98
 Date Analyzed: 4/8/2010
 Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101726	7258.4-JH-215	1	Dark gray rubbery glue	None detected	None detected	Synthetic binder, fillers
		2	Tan mastic	None detected	None detected	Adhesive compound
		3	White synthetic foam	None detected	None detected	Synthetic binder, fillers
101727	7258.4-JH-216	1	Tan mastic	None detected	None detected	Adhesive compound
		2	White synthetic foam	None detected	None detected	Synthetic binder, fillers
101728	7258.4-JH-217	1	Gray window caulk	None detected	None detected	Synthetic binder, fillers
		2	White synthetic foam	None detected	None detected	Polyethylene foam
101729	7258.4-JH-218	1	Gray sink undercoat	None detected	10% Cellulose	Synthetic binder, fillers
101730	7258.4-JH-219	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Calcareous binder, fillers
101731	7258.4-JH-220	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Calcareous binder, fillers
101732	7258.4-JH-221	1	Green mastic	None detected	None detected	Adhesive compound
101733	7258.4-JH-222	1	Green mastic	None detected	None detected	Adhesive compound
		2	Yellow mastic	None detected	None detected	Adhesive compound
101734	7258.4-JH-223	1	Beige vinyl tile	<1% Chrysotile	None detected	Synthetic binder, fillers
		2	Black mastic	3% Chrysotile	None detected	Bituminous compound

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101735	7258.4-JH-224	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	3% Talc fibers	Adhesive compound
		5	Tan paint	None detected	None detected	Synthetic binder, fillers
		6	White sheetrock	None detected	85% Cellulose	Gypsum, fine particles
101736	7258.4-JH-225	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	60% Cellulose	Perlite, glass beads
101737	7258.4-JH-226	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	60% Cellulose	Perlite, glass beads
101738	7258.4-JH-227	1	Black asphaltic sink undercoat	None detected	None detected	Bituminous compound
101739	7258.4-JH-228	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Gypsum, fine particles
101740	7258.4-JH-229	1	Beige paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Gypsum, fine particles
101741	7258.4-JH-230	1	Gray exterior window caulk	None detected	None detected	Synthetic binder, fillers
101742	7258.4-JH-231 (cont.)	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White compacted powdery material	None detected	None detected	Calcareous binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101742	7258.4-JH-231	3	White paper	None detected	100% Cellulose	None detected
		4	White sheetrock	None detected	50% Cellulose	Gypsum, fine particles
101743	7258.4-JH-232	1	White/tan paint	None detected	None detected	Synthetic binder, fillers
		2	White sheetrock	None detected	10% Cellulose 3% Glass fibers	Gypsum, fine particles
101744	7258.4-JH-233	1	Tan mastic	None detected	None detected	Adhesive compound
		2	White synthetic foam	None detected	None detected	Synthetic binder, fillers
101745	7258.4-JH-234	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	Brown mastic	None detected	3% Talc fibers	Adhesive compound
		4	Tan paint	None detected	None detected	Synthetic binder, fillers
		5	Brown paper	None detected	100% Cellulose	None detected
101746	7258.4-JH-235	1	Gray glue	None detected	None detected	Synthetic binder, fillers
		2	White synthetic foam	None detected	None detected	Synthetic binder, fillers
101747	7258.4-JH-236	1	Gray/red floor paint	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
		3	White compacted powdery material	None detected	None detected	Mineral binder, fillers
101748	7258.4-JH-237	1	Gray rubbery HVAC sealant	None detected	None detected	Synthetic binder, fillers
101749	7258.4-JH-238	1	Gray rubbery HVAC sealant	None detected	None detected	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101750	7258.4-JH-239	1	Beige cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
101751	7258.4-JH-240	1	Beige cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	Off-white paint	None detected	None detected	Synthetic binder, fillers
		4	White sealant	None detected	None detected	Synthetic binder, fillers
101752	7258.4-JH-241	1	White compacted powdery material	None detected	None detected	Calcareous binder, fillers
		2	White paper	None detected	100% Cellulose	None detected
		3	White sheetrock	None detected	40% Cellulose 1% Glass fibers	Gypsum, fine particles
101753	7258.4-JH-242	1	Beige vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound
101754	7258.4-JH-243	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White compacted powdery material	None detected	None detected	Mineral binder, fillers
101755	7258.4-JH-244	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White compacted powdery material	None detected	None detected	Mineral binder, fillers
101756	7258.4-JH-245	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	35% Cellulose 35% Mineral wool	Perlite, glass beads

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101757	7258.4-JH-246	1	Yellow mastic	None detected	None detected	Adhesive compound
		2	Gray vinyl tile	None detected	None detected	Synthetic binder, fillers
		3	Clear yellow mastic	None detected	None detected	Adhesive compound
101758	7258.4-JH-247	1	Gray fireproofing	None detected	15% Cellulose	Gypsum, fine particles
101759	7258.4-JH-248	1	Gray fireproofing	None detected	15% Cellulose	Gypsum, fine particles
101760	7258.4-JH-249	1	Gray fireproofing	None detected	15% Cellulose	Gypsum, fine particles
101761	7258.4-JH-250	1	Gray fireproofing	None detected	15% Cellulose	Gypsum, fine particles
101762	7258.4-JH-251	1	Gray fireproofing	None detected	15% Cellulose	Gypsum, fine particles
101763	7258.4-JH-252	1	Off-white paint	None detected	None detected	Synthetic binder, fillers
		2	Gray CMU grout	None detected	None detected	Mineral binder, fillers
101764	7258.4-JH-253	1	Off-white paint	None detected	None detected	Synthetic binder, fillers
		2	Gray CMU grout	None detected	None detected	Mineral binder, fillers
101765	7258.4-JH-254	1	Grayish yellow carpet mastic	None detected	None detected	Adhesive compound
101766	7258.4-JH-255	1	Gray stair tread	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound
		3	Red paint	None detected	None detected	Synthetic binder, fillers
101767	7258.4-JH-256 (cont.)	1	Gray stair tread	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101767	7258.4-JH-256	3	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
101768	7258.4-JH-257	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Calcareous binder, fillers
101769	7258.4-JH-258	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Calcareous binder, fillers
101770	7258.4-JH-259	1	Black vinyl tile	None detected	None detected	Synthetic binder, fillers
101771	7258.4-JH-260	1	Black vinyl tile	None detected	None detected	Synthetic binder, fillers
		2	Clear yellow mastic	None detected	None detected	Adhesive compound
101772	7258.4-JH-261	1	Clear mastic	None detected	<1% Cellulose	Adhesive compound
		2	Tan mastic	None detected	None detected	Adhesive compound
		3	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101773	7258.4-JH-262	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White compacted powdery material	None detected	None detected	Mineral binder, fillers
		3	Yellow mastic	None detected	None detected	Adhesive compound
		4	Brown mastic	None detected	None detected	Adhesive compound
		5	White compacted powdery material	2% Chrysotile	None detected	Calcareous binder, fillers
		6	White paper	None detected	100% Cellulose	None detected
		7	White sheetrock	None detected	85% Cellulose	Gypsum, fine particles

Composite result for layers 5 through 7 is <1% (less than one percent) asbestos.

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Med-Tox NW Job #: A7258.4
Laboratory Batch #: 100140
Date Received: 4/1/2010
Samples Received: 98
Date Analyzed: 4/8/2010
Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101774	7258.4-JH-263	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	White mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	White compacted powdery material	None detected	None detected	Mineral binder, fillers
101775	7258.4-JH-264	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	White paint	None detected	None detected	Synthetic binder, fillers
		4	White compacted powdery material	None detected	None detected	Calcareous binder, fillers
101776	7258.4-JH-265	1	Beige cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	Brown paper	None detected	100% Cellulose	None detected
101777	7258.4-JH-266	1	Brown cellulose insulation	None detected	100% Cellulose	None detected
101778	7258.4-JH-267	1	Brown cellulose insulation	None detected	100% Cellulose	None detected
101779	7258.4-JH-268	1	Brown cellulose insulation	None detected	100% Cellulose	None detected
101780	7258.4-JH-269	1	Gray mastic	None detected	None detected	Adhesive compound
		2	Gray concrete	None detected	None detected	Mineral binder, fillers
101781	7258.4-JH-270	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	White skim coat	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A7258.4
 Laboratory Batch #: 100140
 Date Received: 4/1/2010
 Samples Received: 98
 Date Analyzed: 4/8/2010
 Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101782	7258.4-JH-271	1	Tan carpet glue	None detected	None detected	Adhesive compound
101783	7258.4-JH-272	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	Beige ceiling tile	None detected	55% Cellulose	Perlite, glass beads
101784	7258.4-JH-273	1	Gray cove base	None detected	None detected	Synthetic binder, fillers
		2	Off-white mastic	None detected	None detected	Adhesive compound
		3	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		4	Brown mastic	None detected	3% Talc fibers	Adhesive compound
		5	Green paint	None detected	None detected	Synthetic binder, fillers
		6	White compacted powdery material	<1% Chrysotile	None detected	Calcareous binder, fillers
		7	White sheetrock	None detected	85% Cellulose	Gypsum, fine particles
101785	7258.4-JH-274	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White compacted powdery material	None detected	None detected	Calcareous binder, fillers
		3	White paper	None detected	100% Cellulose	None detected
		4	White sheetrock	None detected	45% Cellulose <1% Glass fibers	Gypsum, fine particles
101786	7258.4-JH-275	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A7258.4
 Laboratory Batch #: 100140
 Date Received: 4/1/2010
 Samples Received: 98
 Date Analyzed: 4/8/2010
 Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101787	7258.4-JH-276	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101788	7258.4-JH-277	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101789	7258.4-JH-278	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101790	7258.4-JH-279	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101791	7258.4-JH-280	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101792	7258.4-JH-281	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101793	7258.4-JH-282	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A7258.4
 Laboratory Batch #: 100140
 Date Received: 4/1/2010
 Samples Received: 98
 Date Analyzed: 4/8/2010
 Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101794	7258.4-JH-283	1	Multiple layers of paint, various colors	None detected	None detected	Synthetic binder, fillers
		2	Gray cementitious material	None detected	None detected	Mineral binder, fillers
101795	7258.4-JH-284	1	White sink undercoat	None detected	20% Cellulose	Synthetic binder, fillers
101796	7258.4-JH-285	1	Yellow vinyl sheeting	None detected	None detected	Synthetic binder, fillers
		2	Gray fibrous backing with mastic	45% Chrysotile	15% Cellulose	Binder, fillers, adhesive compound
101797	7258.4-JH-286	1	Yellow vinyl sheeting	None detected	None detected	Synthetic binder, fillers
		2	Gray fibrous backing with mastic	45% Chrysotile	5% Cellulose	Binder, fillers, adhesive compound
101798	7258.4-JH-287	1	Brown cove base	None detected	None detected	Synthetic binder, fillers
		2	Brown mastic	None detected	3% Talc fibers	Adhesive compound
		3	White sink undercoat	None detected	20% Cellulose	Synthetic binder, fillers
101799	7258.4-JH-288	1	Brown mastic	5% Chrysotile	None detected	Adhesive compound
101800	7258.4-JH-289	1	Brown mastic	3% Chrysotile	None detected	Adhesive compound
101801	7258.4-JH-290	1	Brown mastic	3% Chrysotile	None detected	Adhesive compound
101802	7258.4-JH-291 (cont.)	1	Multicolored confetti pattern vinyl sheeting	None detected	None detected	Synthetic binder, fillers

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A7258.4
 Laboratory Batch #: 100140
 Date Received: 4/1/2010
 Samples Received: 98
 Date Analyzed: 4/8/2010
 Samples Analyzed: 98

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101802	7258.4-JH-291	2	Gray fibrous backing with mastic	None detected	50% Cellulose 5% Glass fibers 5% Synthetic fibers	Binder, fillers, adhesive compound
101803	7258.4-JH-292	1	Multicolored confetti pattern vinyl sheeting	None detected	None detected	Synthetic binder, fillers
		2	Gray fibrous backing with mastic	None detected	50% Cellulose 5% Glass fibers 5% Synthetic fibers	Binder, fillers, adhesive compound
101804	7258.4-JH-293	1	Brown cove base	None detected	None detected	Synthetic binder, fillers
		2	Brown mastic	None detected	None detected	Adhesive compound
		3	Brown paper	None detected	100% Cellulose	None detected
101805	7258.4-JH-294	1	Yellow vinyl sheeting	None detected	None detected	Synthetic binder, fillers
		2	Gray fibrous backing with mastic	55% Chrysotile	None detected	Binder, fillers, adhesive compound
101806	7258.4-JH-295	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White ceiling tile	None detected	70% Mineral wool	Glass beads, binder
101807	7258.4-JH-296	1	White paint	None detected	None detected	Synthetic binder, fillers
		2	White ceiling tile	None detected	70% Mineral wool	Glass beads, binder

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A7258.4
 Laboratory Batch #: 100140
 Date Received: 4/1/2010
 Samples Received: 98
 Date Analyzed: 4/8/2010
 Samples Analyzed: 98

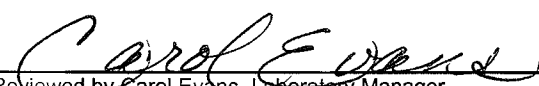
Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101808	7258.4-JH-297	1	Gray plastic	None detected	None detected	Synthetic binder, fillers
		2	Clear mastic	None detected	None detected	Adhesive compound
101809	7258.4-JH-298	1	White vinyl tile	None detected	None detected	Synthetic binder, fillers
101810	7258.4-JH-299	2	Green vinyl tile	None detected	None detected	Synthetic binder, fillers

Analyzed by: Carol Evans


 Reviewed by Carol Evans, Laboratory Manager

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 2200 6th Ave, Suite 1100

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

- ☐ 2 hours ☐ 2 work days
☐ 4 hours ☐ 3 work days
☐ Same day ☒ 4 work days
☐ 1 work day ☐ 5 work days

Chain of Custody

Number of Samples

98

Due Date: 4/6

Due Time: COB

Page 1 of 7

Lab Batch Number

100140

Archive Box No.

MTNW Proj. No. A-7258.4

Special Instructions for Batch

Bulk Asbestos

☒ PLM

☐ Other (Please Specify)

Airborne Asbestos

☐ PCM

☐ Other (Please Specify)

Fungal Non-viable

☐ Airborne

☐ Bulk

☐ Tape Lift

☐ Other (Please Specify)

Sample ID

Lab ID

Comments

Special Instructions for Samples

1

7258.4-JH-202

101713

2

7258.4-JH-203

Through

3

7258.4-JH-204

101810

4

7258.4-JH-205

(See Attached)

5

7258.4-JH-206

6

7258.4-JH-207

7

7258.4-JH-208

8

7258.4-JH-209

9

7258.4-JH-210

10

7258.4-JH-211

11

7258.4-JH-212

12

7258.4-JH-213

13

7258.4-JH-214

14

7258.4-JH-215

15

7258.4-JH-216

@ \$

Relinquished by

Signature

Print Name

Received by

(Signature)

Print Name

Analyzed by

(Signature)

Print Name

Date

Time

Date

Time

Date

Time



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell:

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

- ☐ 2 hours ☐ 2 work days
☐ 4 hours ☐ 3 work days
☐ Same day ☒ 4 work days
☐ 1 work day ☐ 5 work days

Sample ID	Lab ID	Comments	Special Instructions for Samples
1	7258.4-JH-217		
2	7258.4-JH-218		
3	7258.4-JH-219		
4	7258.4-JH-220		
5	7258.4-JH-221		
6	7258.4-JH-222		
7	7258.4-JH-223		
8	7258.4-JH-224		
9	7258.4-JH-225		
10	7258.4-JH-226		
11	7258.4-JH-227		
12	7258.4-JH-228		
13	7258.4-JH-229		
14	7258.4-JH-230		
15	7258.4-JH-231		

Relinquished by Signature Print Name	Received by (Signature) Print Name	Analyzed by (Signature) Print Name
 Jon Havelock	 Peter Jowise	 Peter Jowise

Date	1-Apr-10	Time	Date	4/1/10	Time	Date	4/8/10	Time
				15:15				

Chain of Custody

Number of Samples

98

Due Date:
Due Time:

Page 2 of 7

Lab Batch Number

10014D

Archive Box No.

MTNW Proj. No.

A-7258.4

Special Instructions for Batch



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Company: Herrera Environmental Consult.

Report to: Peter Jowise
Street: 11811 NE First Street, Suite 201
City: Seattle **State/Zip:** WA 98121
Phone: 206-441-9080 **Fax:** 206-441-9108
Cell: -

Email: pjowise@herrerainc.com

Project Name:
King County Youth Services Center
Project No. / PO Number A-7258.4

Turn-Around Times ☐ 2 work days ☐ 3 work days
☐ 4 hours ☐ 4 work days
☐ 4 hours ☐ 5 work days
☐ Same day ☒ 5 work days
☐ 1 work day ☐

Chain of Custody

Number of
Samples

98

Due Date:
Due Time:

Page 3 of 7

Lab Batch Number 100140 Archive Box No.

MTNW Proj. No. A-7258.4

Special Instructions for Batch

Bulk Asbestos
☒ PLM
☐ Other (Please Specify)
☐

Airborne Asbestos
☐ PCM
☐ Other (Please Specify)
☐

Fungal Non-viable

☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Special Instructions for Samples

Comments

1

7258.4-JH-232

2

7258.4-JH-233

3

7258.4-JH-234

4

7258.4-JH-235

5

7258.4-JH-236

6

7258.4-JH-237

7

7258.4-JH-238

8

7258.4-JH-239

9

7258.4-JH-240

10

7258.4-JH-241

11

7258.4-JH-242

12

7258.4-JH-243

13

7258.4-JH-244

14

7258.4-JH-245

15

7258.4-JH-246

@ \$

Relinquished by

Signature
Print Name Jon Havelock

Date 1-Apr-10

Time

Received by

Signature
Print Name

Date 4/1/10

Time 15:15

Analyzed by

Signature
Print Name

Date 4/8/10

Time

SAFE ENVIRONMENT OF AMERICA, INC. d/b/a

MED-TOX

Post Office Box 1446

Auburn, Washington 98071-1446

Telephone (253) 351-0677, Fax (253) 351-0688

Chain of Custody

Lab Batch Number

100140

Archive Box No.

Number of Samples

98

Due Date:

Due Time:

Page

4

of

7

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle State/Zip: WA 98121

Phone: 206-441-9080 Fax: 206-441-9108

Cell: -

Email: pjowise@herrerainc.com

Project Name: King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

☐ 2 work days
☐ 3 work days
☐ 4 work days
☐ Same day
☐ 1 work day

Bulk Asbestos

☒ PLM
☐ Other (Please Specify)

Airborne Asbestos

☐ PCM
☐ Other (Please Specify)

Fungal Non-viable

☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Special Instructions for Batch

Sample ID	Lab ID	Comments	Special Instructions for Samples
1	7258.4-JH-247		
2	7258.4-JH-248		
3	7258.4-JH-249		
4	7258.4-JH-250		
5	7258.4-JH-251		
6	7258.4-JH-252		
7	7258.4-JH-253		
8	7258.4-JH-254		
9	7258.4-JH-255		
10	7258.4-JH-256		
11	7258.4-JH-257		
12	7258.4-JH-258		
13	7258.4-JH-259		
14	7258.4-JH-260		
15	7258.4-JH-261		

Relinquished by

Signature

Print Name

Date

1-Apr-10

Received by

Signature

Print Name

Date

4/1/10

Analyzed by

Signature

Print Name

Date

4/8/10

Time

15:15

Time

4/8/10

Time

@ \$

C:\Users\Jon\Documents\ActiveJobs\Herrera\KC Juvenile Court\COC 040110

Due date and time for samples received after 4:30 PM will be calculated from 8:00 AM the following business day.



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle **State/Zip:** WA 98121

Phone: 206-441-9080 **Fax:** 206-441-9108

Cell:

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

- ☐ 2 hours ☐ 2 work days
☐ 4 hours ☐ 3 work days
☐ Same day ☐ 4 work days
☐ 1 work day ☒ 5 work days

Chain of Custody

Lab Batch Number 100140

Archive Box No.

Number of Samples 98

Due Date:
Due Time:

Page 5 of 7

MTNW Proj. No. A-7258.4

Special Instructions for Batch

Bulk Asbestos
☒ PLM
☐ Other (Please Specify)

Airborne Asbestos
☐ PCM
☐ Other (Please Specify)

Fungal Non-viable

☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Special Instructions for Samples

Comments

Sample ID

Lab ID

1

7258.4-JH-262

2

7258.4-JH-263

3

7258.4-JH-264

4

7258.4-JH-265

5

7258.4-JH-266

6

7258.4-JH-267

7

7258.4-JH-268

8

7258.4-JH-269

9

7258.4-JH-270

10

7258.4-JH-271

11

7258.4-JH-272

12

7258.4-JH-273

13

7258.4-JH-274

14

7258.4-JH-275

15

7258.4-JH-276

@ \$

Relinquished by

Signature

Print Name

Jon Hayelock

Received by

(Signature)

Print Name

Date 4/11/10

Time 15:15

Analyzed by

(Signature)

Print Name

Date 4/8/10

Time



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Company: Herrera Environmental Consult.

Report to: Peter Jowise
Street: 11811 NE First Street, Suite 201
City: Seattle **State/Zip:** WA 98121
Phone: 206-441-9080 **Fax:** 206-441-9108
Cell: -

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

- ☐ 2 hours ☐ 2 work days
☐ 4 hours ☐ 3 work days
☐ Same day ☒ 4 work days
☐ 1 work day ☐ 5 work days

Chain of Custody

Number of Samples

Due Date:
Due Time:

Page 6 of 7

Lab Batch Number 100140 Archive Box No.

MTNW Proj. No. A-7258.4

Special Instructions for Batch

Bulk Asbestos

- ☒ PLM
☐ Other (Please Specify)
☐

Airborne Asbestos

- ☐ PCM
☐ Other (Please Specify)
☐
☐

Fungal Non-viable

- ☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Special Instructions for Samples

Comments

Sample ID

Lab ID

- | | |
|----|---------------|
| 1 | 7258.4-JH-277 |
| 2 | 7258.4-JH-278 |
| 3 | 7258.4-JH-279 |
| 4 | 7258.4-JH-280 |
| 5 | 7258.4-JH-281 |
| 6 | 7258.4-JH-282 |
| 7 | 7258.4-JH-283 |
| 8 | 7258.4-JH-284 |
| 9 | 7258.4-JH-285 |
| 10 | 7258.4-JH-286 |
| 11 | 7258.4-JH-287 |
| 12 | 7258.4-JH-288 |
| 13 | 7258.4-JH-289 |
| 14 | 7258.4-JH-290 |
| 15 | 7258.4-JH-291 |

Relinquished by

Signature

Print Name Jon Havelock

Date 1-Apr-10

Time

Received by

(Signature)

Print Name

Date 4/1/10

Time 15:15

Analyzed by

(Signature)

Print Name

Date 4/8/10

Time

@ \$



Post Office Box 1446
Auburn, Washington 98071-1446
Telephone (253) 351-0677, Fax (253) 351-0688

Company: Herrera Environmental Consult.

Report to: Peter Jowise

Street: 11811 NE First Street, Suite 201

City: Seattle **State/Zip:** WA 98121

Phone: 206-441-9080 **Fax:** 206-441-9108

Cell:

Email: pjowise@herrerainc.com

Project Name:

King County Youth Services Center

Project No. / PO Number A-7258.4

Turn-Around Times

- ☐ 2 hours ☐ 2 work days
☐ 4 hours ☐ 3 work days
☐ Same day ☒ 4 work days
☐ 1 work day ☐ 5 work days

Chain of Custody

Lab Batch Number

100140

Archive Box No.

A-7258.4

Number of Samples

98

Due Date:

Due Time:

Page 7 of 7

Special Instructions for Batch

Bulk Asbestos

- ☒ PLM
☐ Other (Please Specify)

Airborne Asbestos

- ☐ PCM
☐ Other (Please Specify)

Fungal Non-viable

- ☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Sample ID

Lab ID

Comments

Special Instructions for Samples

1

7258.4-JH-292

2

7258.4-JH-293

3

7258.4-JH-294

4

7258.4-JH-295

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7258.4-JH-296

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7258.4-JH-297

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7258.4-JH-298

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7258.4-JH-299

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13

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@ \$

Relinquished by

Signature

Print Name

Date

Received by

(Signature)

Print Name

Date

Analyzed by

(Signature)

Print Name

Date

Time

4/9/2010

Peter Jowise
Herrera Environmental Consulting
2200 6th Ave, Suite 1100
Seattle, WA 98121

Re: Bulk Asbestos Sample Analysis for Med-Tox Northwest Laboratory Batch # 100147 , A-7258.4

Dear Mr. Jowise,

Please find enclosed the test results for the bulk sample(s) submitted to our laboratory for evaluation of possible asbestos content. Unless otherwise stated in the report, all samples analyzed were in good condition upon receipt by the laboratory. Samples are held in archive for 1 year following analysis and then properly disposed of as hazardous waste.

Analysis was performed using polarized light microscopy (PLM) in accordance with Test Method US EPA/600/R-93/116. Representative portions of your sample(s) were prepared on glass slides and analyzed at magnifications of 100X to 400X using dispersion staining and/or Becke line techniques. Unless stated otherwise on your report, fiber content was quantified by calibrated visual estimation in accordance with the method.

The Environmental Protection Agency (EPA) does not regulate materials containing <1% (less than one percent) asbestos. Because the uncertainty in data increases as the quantity of asbestos decreases toward the limit of detection, the EPA recommends point counting for samples containing between <1% and 10% asbestos (NESHAP, 40 CFR Part 61). The relative standard deviation for data in this range for the Med-Tox Northwest Laboratory is 0.309.

Any comments the analyst may wish to make with regard to your sample(s) will appear as a note directly below the sample number on your report. If your analyst has not recommended a point count but you feel that a point count might be beneficial, please feel free to call and request one.

Please note, vinyl floor tiles may contain asbestos fibers too small to be detected by PLM. For this reason, negative results and results of <1% asbestos for vinyl floor tiles analyzed by US EPA/600/R-93/116 are not considered conclusive by the EPA. More sensitive methods of analysis such as electron microscopy are recommended for these samples.

The test results on this report refer only to the samples submitted. The accuracy with which these samples represent the materials *in situ* is totally dependent on the acuity of the person who took the samples.

This test report is not valid unless it bears the signature of a NVLAP approved signatory. Any reproduction of this document must include the entire document in order to be valid. Neither the NVLAP accreditation of this laboratory nor this report can be used to claim product endorsement by NVLAP or any agency of the U.S. Government.

Thank you for choosing Med-Tox Northwest laboratory services. If you have any questions regarding this report, please feel free to contact us.

Sincerely,


Carol Evans
Laboratory Manager

NVLAP[®]

NVLAP Lab Code 102021-0

Med-Tox Northwest
1701 West Valley Highway North, Suite 1
Auburn, WA 98001

Phone (253) 351-0677
Fax (253) 351-0688
E-mail medtoxnw@msn.com

ANALYTICAL LABORATORY REPORT

Polarized Light Microscopy (PLM) by Method EPA/600/R-93/116

Herrera Environmental Consulting
 2200 6th Ave, Suite 1100
 Seattle, WA 98121

Med-Tox NW Job #: A-7258.4
 Laboratory Batch #: 100147
 Date Received: 4/5/2010
 Samples Received: 8
 Date Analyzed: 4/9/2010
 Samples Analyzed: 8

Attention: Peter Jowise

Project: King County Youth Services Center

Client Project #: A-7258.4

Lab ID	Client Sample ID	Layer	Description	Percent Asbestos Fibers	Percent Non-Asbestos Fibers	Non-Fibrous Components
101852	7258.4-JH-300	1	Red gasket	None detected	None detected	Synthetic binder, fillers
101853	7258.4-JH-301	1	Green paint	None detected	None detected	Synthetic binder, fillers
		2	Black gasket	None detected	None detected	Synthetic binder, fillers
101854	7258.4-JH-302	1	Green gasket	None detected	50% Cellulose	Binder, fillers
101855	7258.4-JH-303	1	Gray sealant	None detected	None detected	Synthetic binder, fillers
		2	Yellow fibrous material	None detected	90% Glass fibers	Fine particles, resin
101856	7258.4-JH-304	1	Gray sealant	None detected	None detected	Synthetic binder, fillers
		2	Clear sealant	None detected	None detected	Synthetic binder, fillers
		3	Yellow fibrous material	None detected	95% Glass fibers	Resin
101857	7258.4-JH-305	1	Black foundation sealant	None detected	30% Cellulose	Bituminous compound
101858	7258.4-JH-306	1	Black foundation sealant	None detected	30% Cellulose	Bituminous compound
101859	7258.4-JH-307	1	Blue-gray vinyl sheeting	None detected	None detected	Synthetic binder, fillers
		2	White fibrous backing with mastic	None detected	30% Glass fibers 30% Synthetic fibers	Binder, fillers, adhesive compound
		3	Black asphaltic mastic	3% Chrysotile	None detected	Bituminous compound
		4	Gray leveling compound	None detected	5% Cellulose	Binder, fillers

Analyzed by: Carol Evans


 Reviewed by Carol Evans, Laboratory Manager

Company: Hemera Env. Consult.
Attention: Peter Jovise
Street: 2700 6th Ave. Suite 1100
City/State: Seattle Zip: WA 98121
Phone: (206) 441-9080 Fax: (206) 441-9108
Cell: (206) 441-9080
Email: P.Jovise@hemeraenv.com
Project Name: King County Youth Services Center
Project / PO Number: A-72584

Turn-Around Times ☐ 2 work days ☐ 3 work days ☐ 4 work days ☒ 5 work days
☐ 2 hours ☐ 4 hours ☐ Same day ☐ 1 work day

Chain of Custody

Number of Samples 8

Due Date: MTNW Proj. No.
Due Time:

Page 8 of 8

Lab Batch Number 100147 Archive Box No.

Special Instructions for Batch

Bulk Asbestos
☒ PLM
☐ Other (Please Specify)
☐
Airborne Asbestos
☐ PCM
☐ Other (Please Specify)
☐
Fungal Non-viable
☐ Airborne
☐ Bulk
☐ Tape Lift
☐ Other (Please Specify)

Special Instructions for Samples

Comments

Lab ID

1 7258.4-JH-300 10/852

(See Attached)

2 7258.4-JH-301

3 7258.4-JH-302

4 7258.4-JH-303

5 7258.4-JH-304

6 7258.4-JH-305

7 7258.4-JH-306

8 7258.4-JH-307 10/859

9

10

11

12

13

14

15

Sent to Admin (initials and date)

Relinquished by Signature
Print Name

Received by (Signature)
Print Name

Analyzed by (Signature)
Print Name

Date 4/5/00 Time 10:33

Date 4/5/00 Time 10:33

Appendix G

Analytical Report – Lead

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislabs@emsl.com

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
Customer PO: A-7258.4
Received: 04/06/10 9:30 AM
EMSL Order: 161004685

Fax: (253) 351-0688 Phone: (253) 351-0677
Project: **A-7258.4**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0001	4/19/2010	0.018 % wt	0.11 % wt	
Client Sample 7258.4-JH-001LBP				Collected: 4/5/2010
0002	4/19/2010	0.016 % wt	0.028 % wt	
Client Sample 7258.4-JH-002LBP				Collected: 4/5/2010
0003	4/19/2010	0.019 % wt	0.023 % wt	
Client Sample 7258.4-JH-003LBP				Collected: 4/5/2010
0004	4/19/2010	0.010 % wt	0.015 % wt	
Client Sample 7258.4-JH-004LBP				Collected: 4/5/2010
0005	4/19/2010	0.011 % wt	0.025 % wt	
Client Sample 7258.4-JH-005LBP				Collected: 4/5/2010
0006	4/19/2010	0.010 % wt	<0.010 % wt	
Client Sample 7258.4-JH-006LBP				Collected: 4/5/2010
0007	4/19/2010	0.010 % wt	0.12 % wt	
Client Sample 7258.4-JH-007LBP				Collected: 4/5/2010
0008	4/19/2010	0.018 % wt	<0.018 % wt	
Client Sample 7258.4-JH-008LBP				Collected: 4/5/2010
0009	4/19/2010	0.020 % wt	<0.020 % wt	
Client Sample 7258.4-JH-009LBP				Collected: 4/5/2010
0010	4/19/2010	0.046 % wt	<0.046 % wt	
Client Sample 7258.4-JH-010LBP				Collected: 4/5/2010
0011	4/19/2010	0.032 % wt	<0.032 % wt	
Client Sample 7258.4-JH-011LBP				Collected: 4/5/2010

Doug Wiegand, Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St., Indianapolis IN 46205-1572, OH E10040

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislaboratory@emsl.com

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
Customer PO: A-7258.4
Received: 04/06/10 9:30 AM
EMSL Order: 161004685

Fax: (253) 351-0688 Phone: (253) 351-0677
Project: **A-7258.4**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0012	4/19/2010	0.010 % wt	0.014 % wt	
Client Sample 7258.4-JH-012LBP				Collected: 4/5/2010
0013	4/19/2010	0.010 % wt	0.015 % wt	
Client Sample 7258.4-JH-013LBP				Collected: 4/5/2010
0014	4/19/2010	0.010 % wt	<0.010 % wt	
Client Sample 7258.4-JH-014LBP				Collected: 4/5/2010
0015	4/19/2010	0.010 % wt	0.030 % wt	
Client Sample 7258.4-JH-015LBP				Collected: 4/5/2010
0016	4/19/2010	0.015 % wt	<0.015 % wt	
Client Sample 7258.4-JH-016LBP				Collected: 4/5/2010
0017	4/19/2010	0.022 % wt	0.037 % wt	
Client Sample 7258.4-JH-017LBP				Collected: 4/5/2010
0018	4/19/2010	0.012 % wt	<0.012 % wt	
Client Sample 7258.4-JH-018LBP				Collected: 4/5/2010
0019	4/19/2010	0.014 % wt	<0.014 % wt	
Client Sample 7258.4-JH-019LBP				Collected: 4/5/2010
0020	4/19/2010	0.025 % wt	<0.025 % wt	
Client Sample 7258.4-JH-020LBP				Collected: 4/5/2010
0021	4/19/2010	0.010 % wt	<0.010 % wt	
Client Sample 7258.4-JH-021LBP				Collected: 4/5/2010
0022	4/19/2010	0.022 % wt	<0.022 % wt	
Client Sample 7258.4-JH-022LBP				Collected: 4/5/2010

Doug Wiegand, Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St., Indianapolis IN 46205-1524, OH E10040

**EMSL Analytical, Inc.**

2001 East 52nd St., Indianapolis, IN 46205

Phone: (317) 803-2997 Fax: (317) 803-3047 Email: indianapolislabs@emsl.com

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
Customer PO: A-7258.4
Received: 04/06/10 9:30 AM
EMSL Order: 161004685

Fax: (253) 351-0688 Phone: (253) 351-0677
Project: **A-7258.4**

EMSL Proj:

Test Report: Lead in Paint Chips by Flame AAS (SW 846 3050B*/7000B)

Lab ID:	Analyzed	RDL	Lead Concentration	Notes
0023	4/19/2010	0.025 % wt	<0.025 % wt	
Client Sample 7258.4-JH-023LBP				Collected: 4/5/2010
0024	4/19/2010	0.010 % wt	0.049 % wt	
Client Sample 7258.4-JH-024LBP				Collected: 4/5/2010
0025	4/19/2010	0.010 % wt	<0.010 % wt	
Client Sample 7258.4-JH-025LBP				Collected: 4/5/2010
0026	4/19/2010	0.010 % wt	0.073 % wt	
Client Sample 7258.4-JH-026LBP				Collected: 4/5/2010
0027	4/19/2010	0.010 % wt	<0.010 % wt	
Client Sample 7258.4-JH-027LBP				Collected: 4/5/2010
0028	4/19/2010	0.051 % wt	0.45 % wt	
Client Sample 7258.4-JH-028LBP				Collected: 4/5/2010

Doug Wiegand, Laboratory Manager
or other approved signatory

Reporting limit is 0.01 % wt. The QC data associated with these sample results included in this report meet the method quality control requirements, unless specifically indicated otherwise. Unless noted, results in this report are not blank corrected. This report relates only to the samples reported above and may not be reproduced, except in full, without written approval by EMSL. EMSL bears no responsibility for sample collection activities.

* slight modifications to methods applied Samples received in good condition unless otherwise noted. Quality Control Data associated with this sample set is within acceptable limits, unless otherwise noted

Samples analyzed by EMSL Analytical, Inc. 2001 East 52nd St., Indianapolis IN 46205 AIHA-LAP, LLC--ELLAP 157245, OH E10040



Lead & Metals Chain of Custody

EMSL Order Number (Lab Use Only):

161004685

Westmont, NJ
107 Haddon Avenue
Westmont, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Company: Med-Tox Northwest		EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments**	
Street: Post Office Box 1446		<i>Third Party Billing requires written authorization from third party</i>	
City/State/Zip: Auburn, WA 98071-1446			
Report To (Name): Jon Havelock		Fax: 253-351-0688	
Telephone: 253-351-0677		Email Address: havelockj@medtoxnw.com	
Project Name/Number: A-7258.4			
Please Provide Results: Email		Purchase Order: A-7258.4	
		State Samples Taken: WA	
Turnaround Time (TAT) Options* - Please Check			
<input type="checkbox"/> 3 Hour <input type="checkbox"/> 6 Hour <input type="checkbox"/> 24 Hour <input type="checkbox"/> 48 Hour <input type="checkbox"/> 72 Hour <input type="checkbox"/> 96 Hour <input type="checkbox"/> 1 Week <input checked="" type="checkbox"/> 2 Week			
<small>*Analysis completed in accordance with EMSL's Terms and Conditions located in the Price Guide</small>			
Matrix	Method	Instrument	Reporting Limit
Chips <input type="checkbox"/> mg/cm ² <input checked="" type="checkbox"/> % by wt.	SW846-7000B/7420 or AOAC 974.02	Flame Atomic Absorption	0.01%
Air	NIOSH 7082	Flame Atomic Absorption	4 µg/filter
	NIOSH 7105	Graphite Furnace AA	0.03 µg/filter
	NIOSH 7300 modified	ICP-AES	0.5 µg/filter
Wipe* <input type="checkbox"/> ASTM <input type="checkbox"/> non ASTM <small>*If no box is checked, non-ASTM Wipe is assumed</small>	SW846-7000B/7420	Flame Atomic Absorption	10 µg/wipe
	SW846-6010B or C	ICP-AES	0.5 µg/wipe
TCLP	SW846-1311/7420/SM 3111B	Flame Atomic Absorption	0.4 mg/L (ppm)
	SW846-6010B or C	ICP-AES	0.1 mg/L (ppm)
Soil	SW846-7000B/7420	Flame Atomic Absorption	40 mg/kg (ppm)
	SW846-7421	Graphite Furnace AA	0.3 mg/kg (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Wastewater	SM3111B or SW846-7000B/7420	Flame Atomic Absorption	0.4 mg/L (ppm)
	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
	SW846-6010B or C	ICP-AES	1 mg/kg (ppm)
Drinking Water	EPA 200.9	Graphite Furnace AA	0.003 mg/L (ppm)
Other:		Preservation Method (Water):	
Name of Sampler:		Signature of Sampler:	
Sample #	Location	Volume/Area	Date/Time Sampled
SEE ATTACHED DATA SHEET FOR 28 SAMPLES			
Client Sample #'s		Total # of Samples: 28	
Relinquished (Client): Jon A. Havelock	Date: 4/5/2010	Time: 0830	
Received (Lab): Heather Timmons	Date: 4/6/10	Time: 9:30 PM	
Comments/Special Instructions:			

4685

Table. Summary of bulk paint chip sample results.

Sample Number	Location	Component	Substrate	Color	Result (mg/kg*)
7258.4-JH-001LBP	Alder wing 2 nd floor Module A	Wall	Concrete	Beige	
7258.4-JH-002LBP	Alder wing 2 nd floor Module B	Wall	Concrete	Beige	
7258.4-JH-003LBP	Alder wing 2 nd floor Module C	Wall	Concrete	Beige	
7258.4-JH-004LBP	Alder wing 2 nd floor Module D	Wall	Concrete	Beige	
7258.4-JH-005LBP	Alder wing 2 nd floor hallway	Wall	Concrete	Beige	
7258.4-JH-006LBP	Alder wing, 2 nd floor Module D	Wall	Gypsum	Beige	
7258.4-JH-007LBP	Alder wing, 2 nd floor Module B	Wall	Gypsum	Beige	
7258.4-JH-008LBP	Alder wing, 2 nd floor hall C	Door	Wood	Beige	
7258.4-JH-009LBP	Alder wing, 2 nd floor hall D	Door	Wood	Beige	
7258.4-JH-010LBP	Alder wing, 2 nd floor hall B	Door	Wood	Blue	
7258.4-JH-011LBP	Alder wing, 2 nd floor hall A	Door	Wood	Blue	
7258.4-JH-012LBP	Alder wing, 1 st floor hall	Wall	Concrete	Beige	
7258.4-JH-013LBP	Alder wing, 1 st floor hall	Ceiling	Plaster	Beige	
7258.4-JH-014LBP	Alder wing, 1 st floor gym	Wall	Concrete	Beige	
7258.4-JH-015LBP	Alder tower, 4 th floor	Wall	Gypsum	Beige	
7258.4-JH-016LBP	Alder tower, 4 th floor stair	Floor	Concrete	Gray	
7258.4-JH-017LBP	Alder tower, 4 th floor stair	Wall	Concrete	White	
7258.4-JH-018LBP	Alder tower, 1 st floor telephone room	Wall	Concrete	White	
7258.4-JH-019LBP	Alder tower, 1 st floor maintenance	Wall	Concrete	White	
7258.4-JH-020LBP	Alder tower, 1 st floor telephone room	Wall	Gypsum	White	
7258.4-JH-021LBP	Alder tower, 1 st floor	Floor	Concrete	Gray	
7258.4-JH-022LBP	Alder tower, main floor	Wall	Gypsum	White	
7258.4-JH-023LBP	Alder tower, main floor	Column	Concrete	White	
7258.4-JH-024LBP	Alder tower, main stairwell	Wall	Concrete	White	
7258.4-JH-025LBP	Alder tower, third floor	Wall	Gypsum	White	
7258.4-JH-026LBP	Alder tower, third floor	Column	Concrete	White	
7258.4-JH-027LBP	Alder tower, third floor	Wall	Concrete	White	
7258.4-JH-028LBP	Alder wing, windows	Window	Wood	Green	

Mg/kg= milligrams per kilogram, ND=none detected

Page 2 of 2

Appendix H

EMSL Analytical Inc., Laboratory Certificates



Protecting Worker Health

The American Industrial Hygiene Association

acknowledges that

EMSL Analytical, Inc.

2001 East 52nd Street, Indianapolis, IN 46205

Laboratory ID: 157245

has fulfilled the requirements of the AIHA Laboratory Quality Assurance Programs (LQAP), thereby, conforming to the ISO/IEC 17025:2005 international standard, *General Requirements for the Competence of Testing and Calibration Laboratories*. The above named laboratory, along with all premises from which key activities are performed, as listed above, have been accredited by AIHA in the following:

ACCREDITATION PROGRAMS

- | | |
|---|-----------------------------------|
| <input checked="" type="checkbox"/> INDUSTRIAL HYGIENE | Accreditation Expires: 06/01/2010 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL LEAD | Accreditation Expires: 06/01/2010 |
| <input checked="" type="checkbox"/> ENVIRONMENTAL MICROBIOLOGY | Accreditation Expires: 06/01/2010 |
| <input type="checkbox"/> FOOD | Accreditation Expires: |

Specific Field(s) of Testing (FoT)/Method(s) within each Accreditation Program for which the above named laboratory maintains accreditation is outlined on the attached **Scope of Accreditation**. Continued accreditation is contingent upon successful on-going compliance with LQAP requirements. This certificate is not valid without the attached **Scope of Accreditation**. Please review the AIHA website for the most current status of the scope of accreditation.

Laura R. McMahon

Laura R. McMahon
Chairperson, Analytical Accreditation Board

Lindsay E. Booher

Lindsay E. Booher, CIH, CSP
President, AIHA

Date Issued: 06/30/2008



LABORATORY QUALITY ASSURANCE PROGRAMS

AIHA

*Your Essential Connection: Advancing Occupational
and Environmental Health and Safety Globally*

2700 Prosperity Ave., Suite 250, Fairfax, VA 22031 U.S.A.
(703) 849-8888; Fax (703) 207-3561; www.aiha.org

AIHA Laboratory Quality Assurance Programs

SCOPE OF ACCREDITATION

EMSL Analytical, Inc.
2001 East 52nd Street, Indianapolis, IN 46205

Laboratory ID: **157245**
Issue Date: 06/30/2008

The laboratory is approved for those specific field(s) of testing/methods listed in the table below. Clients are urged to verify the laboratory's current accreditation status for the particular field(s) of testing/Methods, since these can change due to proficiency status, suspension and/or revocation. A complete listing of currently accredited Industrial Hygiene laboratories is available on the AIHA website at: <http://www.aiha.org/LaboratoryServices.html>

Environmental Microbiology Laboratory Accreditation Program (EMLAP)

Initial Accreditation Date: 12/01/2004

EMLAP Category	Field of Testing (FoT)	Method	Method Description (for internal methods only)
Fungal	Air – Culturable	SOP M005	Standard Operating Procedure for the Analysis of Bulk Swabs for Fungi by Culture on Agar Plates and the Analysis of Fungi from Air Samples Collected on Agar Plates
	Bulk – Culturable	SOP M005	Standard Operating Procedure for the Analysis of Bulk Swabs for Fungi by Culture on Agar Plates and the Analysis of Fungi from Air Samples Collected on Agar Plates
	Surface - Culturable	SOP M005	Standard Operating Procedure for the Analysis of Bulk Swabs for Fungi by Culture on Agar Plates and the Analysis of Fungi from Air Samples Collected on Agar Plates



LABORATORY QUALITY ASSURANCE PROGRAMS

AIHA

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EMLAP Category	Field of Testing (FoT)	Method	Method Description (for internal methods only)
Fungal (continued)	Air – Direct Examination	SOP M001	SOP for the Analysis of Airborne Fungal Spores, Hyphal Fragments, Pollen, Insect Fragments, and Fibrous Material by Optical Microscopy utilizing Standard Non-Culturable Spore Trap Systems
	Bulk – Direct Examination	SOP M041	SOP for the Microscopic Examination of Surface Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material
	Surface – Direct Examination	SOP M041	SOP for the Microscopic Examination of Surface Fungal Spores, Fungal Structures, Hyphae, Pollen, Insect Fragments, and Fibrous Material
Bacterial	Air – Culturable	SOP M009	SOP for the analysis of Bulk specimens or swabs for Bacteria by culture or agar plates and Analysis of bacteria from an air sample collected on agar plates
	Bulk – Culturable	SOP M009	SOP for the analysis of Bulk specimens or swabs for Bacteria by culture or agar plates and Analysis of bacteria from an air sample collected on agar plates
	Surface - Culturable	SOP M009	SOP for the analysis of Bulk specimens or swabs for Bacteria by culture or agar plates and Analysis of bacteria from an air sample collected on agar plates

The laboratory participates in the following AIHA proficiency testing programs:

- ✓ Fungal Culturable
- ✓ Bacterial Culturable
- ✓ Fungal Direct Examination

Appendix I

Analytical Report – PCB

EMSL Analytical, Inc.

<http://www.emsl.com>

3 Cooper St.
Westmont, NJ 08108
Phone: (856) 858-4800
Fax: (856) 858-4571

EMSL

SM

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

4/20/2010


Phone: (253) 351-0677
Fax: (253) 351-0688

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 4/7/2010. The results are tabulated on the attached data pages for the following client designated project:

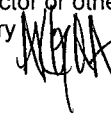
A-7258.4

The reference number for these samples is EMSL Order #011001408. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 858-4800.

Reviewed and Approved By:



Julie Smith - Laboratory Director or other approved
signatory



The test results contained within this report meet the requirements of NELAC and/or the specific certification program that is applicable, unless otherwise noted.
NJ-NELAP Accredited: 04653

The samples associated with this report were received in good condition unless otherwise noted. This report relates only to those items tested as received by the laboratory. The QC data associated with the sample results meet the recovery and precision requirements established by the NELAP, unless specifically indicated. All results for soil samples are reported on a dry weight basis, unless otherwise noted. This report may not be reproduced except in full and without written approval by EMSL Analytical, Inc.

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

SM

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
Customer PO: A-7258.4
Received: 04/07/10 10:30 AM
EMSL Order: 011001408

Fax: (253) 351-0688

Phone (253) 351-0677

Project: **A-7258.4****Analytical Results**

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0001</i>		
7258.4-JH-01PCB Alder wing, 2nd floor hall wall						
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
3540C/8082	Aroclor-1016	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1221	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1232	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1242	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1248	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1254	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1260	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1262	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1268	<1.8	1.8	mg/Kg	4/13/2010	ehernandez

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0002</i>		
7258.4-JH-02PCB Alder wing, 2nd floor Module B wall						
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
3540C/8082	Aroclor-1016	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1221	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1232	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1242	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1248	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1254	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1260	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1262	<1.8	1.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1268	<1.8	1.8	mg/Kg	4/13/2010	ehernandez

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0003</i>		
7258.4-JH-03PCB Alder wing, west stairwell						
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
3540C/8082	Aroclor-1016	<4.8	4.8	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1221	<4.8	4.8	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1232	39	4.8	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1242	<4.8	4.8	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1248	26	4.8	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1254	<4.8	4.8	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1260	<4.8	4.8	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1262	<4.8	4.8	mg/Kg	4/14/2010	ehernandez

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

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SM

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
 Customer PO: A-7258.4
 Received: 04/07/10 10:30 AM
 EMSL Order: 011001408

Fax: (253) 351-0688

Phone (253) 351-0677

Project: **A-7258.4****Analytical Results**

Client Sample Description 7258.4-JH-03PCB **Collected:** **Lab ID:** 0003
 Alder wing, west stairwell

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1268	<4.8	4.8	mg/Kg	4/14/2010	ehernandez

Client Sample Description 7258.4-JH-04PCB **Collected:** **Lab ID:** 0004
 Alder wing, roof

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<2.1	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1221	<2.1	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1232	<2.1	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1242	<2.1	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1248	<2.1	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1254	16	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1260	<2.1	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1262	<2.1	2.1	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1268	<2.1	2.1	mg/Kg	4/15/2010	ehernandez

Client Sample Description 7258.4-JH-05PCB **Collected:** **Lab ID:** 0005
 Alder wing, roof mechanical chase

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1221	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1232	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1242	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1248	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1254	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1260	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1262	<1.3	1.3	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1268	<1.3	1.3	mg/Kg	4/13/2010	ehernandez

Client Sample Description 7258.4-JH-06PCB **Collected:** **Lab ID:** 0006
 Alder wing, 1st floor hallway

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<0.83	0.83	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1221	<0.83	0.83	mg/Kg	4/13/2010	ehernandez

**EMSL Analytical, Inc.**

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Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

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 Customer PO: A-7258.4
 Received: 04/07/10 10:30 AM
 EMSL Order: 011001408

Fax: (253) 351-0688

Phone (253) 351-0677

Project: **A-7258.4****Analytical Results**

Client Sample Description 7258.4-JH-06PCB **Collected:** **Lab ID:** 0006
 Alder wing, 1st floor hallway

Method	Parameter	Concentration	Reporting		Units	Analysis Date	Analyst
			Limit				
3540C/8082	Aroclor-1232	<0.83	0.83		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1242	<0.83	0.83		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1248	<0.83	0.83		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1254	2.2	0.83		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1260	<0.83	0.83		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1262	<0.83	0.83		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1268	<0.83	0.83		mg/Kg	4/13/2010	ehernandez

Client Sample Description 7258.4-JH-07PCB **Collected:** **Lab ID:** 0007
 Alder wing, 1st floor lunch room

Method	Parameter	Concentration	Reporting		Units	Analysis Date	Analyst
			Limit				
3540C/8082	Aroclor-1016	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1221	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1232	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1242	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1248	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1254	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1260	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1262	<1.2	1.2		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1268	<1.2	1.2		mg/Kg	4/13/2010	ehernandez

Client Sample Description 7258.4-JH-08PCB **Collected:** **Lab ID:** 0008
 Alder tower, 4th floor stairwell

Method	Parameter	Concentration	Reporting		Units	Analysis Date	Analyst
			Limit				
3540C/8082	Aroclor-1016	<0.93	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1221	<0.93	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1232	4.7	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1242	<0.93	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1248	<0.93	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1254	4.1	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1260	<0.93	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1262	<0.93	0.93		mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1268	<0.93	0.93		mg/Kg	4/13/2010	ehernandez

**EMSL Analytical, Inc.**

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EMSL

SM

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
 Customer PO: A-7258.4
 Received: 04/07/10 10:30 AM
 EMSL Order: 011001408

Fax: (253) 351-0688

Phone (253) 351-0677

Project: **A-7258.4****Analytical Results**

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0009</i>		
7258.4-JH-09PCB Alder tower, exterior						
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
3540C/8082	Aroclor-1016	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1221	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1232	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1242	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1248	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1254	2.5	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1260	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1262	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1268	<1.7	1.7	mg/Kg	4/14/2010	ehernandez

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0010</i>		
7258.4-JH-10PCB Alder tower, exterior						
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
3540C/8082	Aroclor-1016	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1221	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1232	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1242	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1248	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1254	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1260	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1262	<1.7	1.7	mg/Kg	4/14/2010	ehernandez
3540C/8082	Aroclor-1268	<1.7	1.7	mg/Kg	4/14/2010	ehernandez

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0011</i>		
7258.4-JH-11PCB Alder tower, exterior						
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date</i>	<i>Analyst</i>
3540C/8082	Aroclor-1016	<3.8	3.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1221	<3.8	3.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1232	<3.8	3.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1242	<3.8	3.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1248	<3.8	3.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1254	9.6	3.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1260	<3.8	3.8	mg/Kg	4/13/2010	ehernandez
3540C/8082	Aroclor-1262	<3.8	3.8	mg/Kg	4/13/2010	ehernandez

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Phone (253) 351-0677

Project: A-7258.4

Analytical Results

Client Sample Description 7258.4-JH-11PCB **Collected:** **Lab ID:** 0011
Alder tower, exterior

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1268	<3.8	3.8	mg/Kg	4/13/2010	ehernandez

Client Sample Description 7258.4-JH-12PCB **Collected:** **Lab ID:** 0012
Alder tower, exterior

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<11000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1221	<11000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1232	<11000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1242	<11000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1248	<11000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1254	150000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1260	<11000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1262	<11000	11000	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1268	<11000	11000	mg/Kg	4/15/2010	ehernandez

Client Sample Description 7258.4-JH-13PCB **Collected:** **Lab ID:** 0013
Alder tower, mechanical penthouse

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1221	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1232	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1242	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1248	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1254	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1260	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1262	<4.5	4.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1268	<4.5	4.5	mg/Kg	4/15/2010	ehernandez

Client Sample Description 7258.4-JH-14PCB **Collected:** **Lab ID:** 0014
Alder tower, mechanical penthouse

Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst
3540C/8082	Aroclor-1016	<1.5	1.5	mg/Kg	4/15/2010	ehernandez
3540C/8082	Aroclor-1221	<1.5	1.5	mg/Kg	4/15/2010	ehernandez

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

SM

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
Customer PO: A-7258.4
Received: 04/07/10 10:30 AM
EMSL Order: 011001408

Fax: (253) 351-0688

Phone (253) 351-0677

Project: **A-7258.4****Analytical Results**

Client Sample Description		7258.4-JH-14PCB		Collected:		Lab ID: 0014	
Alder tower, mechanical penthouse							
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst	
3540C/8082	Aroclor-1232	<1.5	1.5	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1242	<1.5	1.5	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1248	<1.5	1.5	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1254	<1.5	1.5	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1260	<1.5	1.5	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1262	<1.5	1.5	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1268	<1.5	1.5	mg/Kg	4/15/2010	ehernandez	
Client Sample Description		7258.4-JH-15PCB		Collected:		Lab ID: 0015	
Alder tower, stairwell wall							
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst	
3540C/8082	Aroclor-1016	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1221	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1232	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1242	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1248	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1254	5.0	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1260	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1262	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1268	<2.4	2.4	mg/Kg	4/15/2010	ehernandez	
Client Sample Description		7258.4-JH-16PCB		Collected:		Lab ID: 0016	
Alder wing, exterior							
Method	Parameter	Concentration	Reporting Limit	Units	Analysis Date	Analyst	
3540C/8082	Aroclor-1016	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1221	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1232	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1242	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1248	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1254	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1260	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1262	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	
3540C/8082	Aroclor-1268	<1.0	1.0	mg/Kg	4/15/2010	ehernandez	

**EMSL Analytical, Inc.**

3 Cooper St., Westmont, NJ 08108

Phone: (856) 858-4800 Fax: (856) 858-4571 Email: jsmith@emsl.com

EMSL

SM

Attn: **Jon A. Havelock**
Med-Tox Northwest
PO Box 1446
Auburn, WA 98071

Customer ID: MEDT50
Customer PO: A-7258.4
Received: 04/07/10 10:30 AM
EMSL Order: 011001408

Fax: (253) 351-0688

Phone (253) 351-0677

Project: **A-7258.4****Analytical Results**

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0017</i>	
7258.4-JH-17PCB Alder wing, exterior					
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date Analyst</i>
3540C/8082	Aroclor-1016	<0.66	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1221	<0.66	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1232	<0.66	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1242	<0.66	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1248	<0.66	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1254	1.3	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1260	<0.66	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1262	<0.66	0.66	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1268	<0.66	0.66	mg/Kg	4/15/2010 ehernandez

<i>Client Sample Description</i>		<i>Collected:</i>		<i>Lab ID: 0018</i>	
7258.4-JH-18PCB Alder wing, west wing					
<i>Method</i>	<i>Parameter</i>	<i>Concentration</i>	<i>Reporting Limit</i>	<i>Units</i>	<i>Analysis Date Analyst</i>
3540C/8082	Aroclor-1016	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1221	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1232	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1242	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1248	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1254	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1260	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1262	<0.32	0.32	mg/Kg	4/15/2010 ehernandez
3540C/8082	Aroclor-1268	<0.32	0.32	mg/Kg	4/15/2010 ehernandez

EMSL Analytical Inc.

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

Customer Sample#:		MB 1 3530 CU		
Lab Name:	EMSL Analytical	Project:		
EMSL Sample ID:		Sample Matrix:	Soil	
Lab File ID:	Y02036.D	Sampling Date:	12:00:00 AM	
Instrument ID:	ECD-Y	Date Extracted:	4/12/2010	
Analyst:	EH	Analysis Date:	4/13/2010 3:23:09 PM	
GC Column:	CLPest I (0.32 mm)	Sample wt/vol:	10 G	
GC Column 2:	CLPest II (0.32 mm)	Dilution Factor:	1	
% Moisture:	0	Concentrated Extract Vol:	10 (mL)	
PH:	0	Injection Volume:	1 (ul)	
GPC Cleanup(Y/N):	N	Sulfur Cleanup:	N	
Extraction Type:	3540C			
Method:	SW846 8081/8082			

CAS NO	COMPOUND	Report Limit (mg/kg)	CONC. (mg/kg)	Q
12674-11-2	Aroclor 1016	0.10		U
11104-28-2	Aroclor 1221	0.10		U
11141-16-5	Aroclor 1232	0.10		U
53469-21-9	Aroclor 1242	0.10		U
12672-29-6	Aroclor 1248	0.10		U
11097-69-1	Aroclor 1254	0.10		U
11096-82-5	Aroclor 1260	0.10		U
37324-23-5	Aroclor 1262	0.10		U
11100-14-4	Aroclor 1268	0.10		U

Qualifier Definitions
 U = Undetected
 B = Compound detected in method blank
 E = Estimated value
 D = Dilution
 P = Results between the two columns differ >40%

EMSL Analytical Inc.**SOIL PESTICIDE/PCB LCS/QCS/ LFB RECOVERY**

Lab Name: EMSL Analytical Original LCS 1 3530 File ID: Y02036.D/Y02037.D * : Values outside of							
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/kg	LCS CONC. mg/kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	0.500	0.443	89
2	Aroclor 1260	11096-82-5	63	131	0.500	0.474	95
Total Out							0 of 2

EMSL Analytical Inc.

SOIL PESTICIDE/PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:		EMSL Analytical		Original		1467-2 PCB MS 2X								
				File ID:		Y02041.D/Y02038.D/Y02039.D								
* : Values outside of														
		COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/kg	MS CONC. mg/kg	MS REC%	MSD SPIKE ADDED mg/kg	MSD CONC. mg/kg	MSD REC%	RPD %
1	Aroclor 1016		12674-11-2	12	164	25	0.00	0.994	0.870	87	0.994	0.900	91	3
2	Aroclor 1260		11096-82-5	43	167	25	0.00	0.994	0.736	74	0.994	0.823	83	11
Total Out										0 of 2			0 of 2	0 of 2

EMSL Analytical Inc.

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

Lab Name: EMSL Analytical		Customer Sample#: MB 1 3532 CU
EMSL Sample ID:		Project:
Lab File ID: X02023.D		Sample Matrix: Soil
Instrument ID: ECD-X		Sampling Date: 12:00:00 AM
Analyst: EH		Date Extracted: 4/13/2010
GC Column: CLPest I (0.32 mm)		Analysis Date: 4/15/2010 9:45:24 AM
GC Column 2: CLPest II (0.32 mm)		Sample wt/vol: 10 G
% Moisture: 0		Dilution Factor: 1
PH: 0		Concentrated Extract Vol: 10 (mL)
GPC Cleanup(Y/N): N		Injection Volume: 1 (ul)
Extraction Type: 3540C		Sulfur Cleanup: N
Method: SW846 8081/8082		

CAS NO	COMPOUND	Report Limit (mg/kg)	CONC. (mg/kg)	Q
12674-11-2	Aroclor 1016	0.10		U
11104-28-2	Aroclor 1221	0.10		U
11141-16-5	Aroclor 1232	0.10		U
53469-21-9	Aroclor 1242	0.10		U
12672-29-6	Aroclor 1248	0.10		U
11097-69-1	Aroclor 1254	0.10		U
11096-82-5	Aroclor 1260	0.10		U
37324-23-5	Aroclor 1262	0.10		U
11100-14-4	Aroclor 1268	0.10		U

Qualifier Definitions
 U = Undetected
 B = Compound detected in method blank
 E = Estimated value
 D = Dilution
 P = Results between the two columns differ >40%

EMSL Analytical Inc.

SOIL PESTICIDE/PCB LCS/QCS/ LFB RECOVERY

Lab Name: EMSL Analytical Original LCS 1 3532 File ID: X02023.D/X02024.D * : Values outside of							
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	SPIKE ADDED mg/kg	LCS CONC. mg/kg	LCS REC%
1	Aroclor 1016	12674-11-2	58	123	0.500	0.532	106
2	Aroclor 1260	11096-82-5	63	131	0.500	0.528	106
Total Out							0 of 2

PESTICIDE/PCB ORGANICS ANALYSIS DATA SHEET

Customer Sample#:		MB 1 3532 SG SG		
Lab Name:	EMSL Analytical	Project:		
EMSL Sample ID:		Sample Matrix:	Soil	
Lab File ID:	X02068.D	Sampling Date:	12:00:00 AM	
Instrument ID:	ECD-X	Date Extracted:	4/13/2010	
Analyst:	EH	Analysis Date:	4/16/2010 2:25:38 PM	
GC Column:	CLPest I (0.32 mm)	Sample wt/vol:	10 G	
GC Column 2:	CLPest II (0.32 mm)	Dilution Factor:	1	
% Moisture:	0	Concentrated Extract Vol:	10 (mL)	
PH:	0	Injection Volume:	1 (ul)	
GPC Cleanup(Y/N):	N	Sulfur Cleanup:	N	
Extraction Type:	3540C			
Method:	SW846 8081/8082			

CAS NO	COMPOUND	Report Limit (mg/kg)	CONC. (mg/kg)	Q
12674-11-2	Aroclor 1016	0.10		U
11104-28-2	Aroclor 1221	0.10		U
11141-16-5	Aroclor 1232	0.10		U
53469-21-9	Aroclor 1242	0.10		U
12672-29-6	Aroclor 1248	0.10		U
11097-69-1	Aroclor 1254	0.10		U
11096-82-5	Aroclor 1260	0.10		U
37324-23-5	Aroclor 1262	0.10		U
11100-14-4	Aroclor 1268	0.10		U

Qualifier Definitions
 U = Undetected
 B = Compound detected in method blank
 E = Estimated value
 D = Dilution
 P = Results between the two columns differ >40%

EMSL Analytical Inc.

SOIL PESTICIDE/PCB MATRIX SPIKE/MATRIX SPIKE DUPLICATE RECOVERY

Lab Name:		EMSL Analytical		Original		1504-1 PCB MS 2X SG							
				File ID:		X02073.D\X02071.D\X02072.D							
* : Values outside of													
	COMPOUND	CAS NO	LOW LIMIT	HIGH LIMIT	RPD LIMIT	SAMPLE CONC.	MS SPIKE ADDED mg/kg	MS CONC. mg/kg	MS REC%	MSD SPIKE ADDED mg/kg	MSD CONC. mg/kg	MSD REC%	RPD %
1	Aroclor 1016	12674-11-2	12	164	25	0.00	0.984	0.847	86	0.973	0.717	74	16
2	Aroclor 1260	11096-82-5	43	167	25	0.00	0.984	0.867	88	0.973	0.711	73	19
					Total Out				0 of 2			0 of 2	0 of 2

EMBL ANALYTICAL INC

EMSL Order Number(*Lab Use Only*):

01/001408

Westmont, NJ
107 Haddon Avenue
Westmont, NJ 08108
PHONE: (856) 858-4800
FAX: (856) 858-4960

Company: Med-Tox Northwest					EMSL-Bill to: <input checked="" type="checkbox"/> Same <input type="checkbox"/> Different If Bill to is Different note instructions in Comments** Third Party Billing requires written authorization from third party										
Street: Post Office Box 1446															
City/State/Zip: Auburn, WA 98071-1446															
Report To (Name): Jon Havelock								Fax: 253-351-0688							
Telephone: 253-351-0677								Email Address: havelockj@medtoxnw.com							
Project Name/Number: A-7258.4															
Please Provide Results: Email					Purchase Order: A-7258.4					State Samples Taken: WA					
Standard Turnaround Time: <input checked="" type="checkbox"/> 2 Weeks					The following TAT's are subject to lab approval: <input type="checkbox"/> 1 Week <input type="checkbox"/> 4 Days <input type="checkbox"/> 3 Days <input type="checkbox"/> 2 Days <input type="checkbox"/> 1 Day										
Failure to complete will hinder processing of samples					Matrix		Preservative		List Test(s) Needed						Comments
Client Sample ID	Comp	Grab	Date/Time		W=Water S=Soil A=Air SL=Sludge O= Other	1=HCL 2=HNO3 3=H2SO4 4=ICE 5=Other									
SEE ATTACHED SHEET FOR 13			DATA SAMPLES		BULK	NONE	X								
Released By (Signature)			Date & Time			Received By				Date & Time					
Jon Havelock			4/15/10 0825			Heather Simmons				4/16/10 4/17/10 101304					
Please indicate reporting requirements: <input type="checkbox"/> Results Only <input checked="" type="checkbox"/> Results and QC <input type="checkbox"/> Reduced Deliverables <input type="checkbox"/> Disk Deliverable <input type="checkbox"/> Other															

Comments/Special Instructions:

EMAILED FOR SAMPLE DATE
4/7/10 -EZ

Controlled Document – Environmental Chemistry COC – EC1.0 – 11/23/2009

011001408

Table .Summary of PCB sample results.

	Sample Number	Location	Material	Result (mg/kg*)
.7	7258.4-JH-01PCB	Alder wing, 2 nd floor hall wall	Beige paint on concrete	
.7	7258.4-JH-02PCB	Alder wing, 2 nd floor Module B wall	Beige paint on concrete	
1.0	7258.4-JH-03PCB	Alder wing, west stairwell	White paint on concrete	
.5	7258.4-JH-04PCB	Alder wing, roof	Caulk on white membrane	
.9	7258.4-JH-05PCB	Alder wing, roof mechanical chase	Vent hatch sealant	
1.3	7258.4-JH-06PCB	Alder wing, 1 st floor hallway	Paint on concrete	
.5	7258.4-JH-07PCB	Alder wing, 1 st floor lunch room	Paint on gypsum	
1.1	7258.4-JH-08PCB	Alder tower, 4 th floor stairwell	Gray paint on concrete floor	
.4	7258.4-JH-09PCB	Alder tower, exterior	Gray concrete caulk	
.7	7258.4-JH-10PCB	Alder tower, exterior	Brown window caulk	
.3	7258.4-JH-11PCB	Alder tower, exterior	Concrete panel caulk	
.2	7258.4-JH-12PCB	Alder tower, exterior	Window caulk	
.2	7258.4-JH-13PCB	Alder tower, mechanical penthouse	Caulk on drivit panel	
.4	7258.4-JH-14PCB	Alder tower, mechanical penthouse	Black penetration caulk	
.3	7258.4-JH-15PCB	Alder tower, stairwell wall	White paint on concrete	
5.4	7258.4-JH-16PCB	Alder wing, exterior	Gray concrete caulk	
1.6	7258.4-JH-17PCB	Alder wing, exterior	Gray concrete caulk	
3.1	7258.4-JH-18PCB	Alder tower, west wing	Gray concrete caulk	

PAGE 2 OF 2

E.2 4/7/10 10:30 AM

011001408

EMSL Relinquish Form
Revision 1
September 2005

EMSL

EMSL Analytical, Inc.
Relinquish Form

Initial Lab:	Indianapolis	Phone Number:	317-803-2997
		Fax Number:	317-803-3047
Relinquished to:	Westmont	Phone Number:	856-854-2362
		Fax Number:	856-858-4571
Does new Lab hold equivalent or additional accreditation*			Yes/ No

Client Name:	Med-Tox Northwest		
Client Project:	A-7258.4		
Date Received:	4/6/10		
Date Relinquished:	4/6/10		
Date Due:	4/20/10 (2 weeks)		
Special Instructions:			
Relinquished by (Signature):	Date:	Received by (Signature)	Date:
Walter Simmons	4/6/2010	[Signature]	4/7/10
Relinquished by (Signature):	Date:	Received by (Signature)	Date:

Client Notification- Please sign this form and fax to the original laboratory. By signing below you agree to allow the above named laboratory to relinquish the samples to a new laboratory with equivalent or additional certification.

Name (please Print)	Signature	Agent of:	Date:
If this is a reoccurring project or sample type that will require samples to be relinquished on a regular basis please sign below and the laboratory will keep this form on file.			
Name (please Print)	Signature	Agent of:	Date:

* All accreditation information and certificates can be found at www.emsl.com.

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