

Regulated Building Materials Assessment Report

Kent Central Motel
1233 Central Ave North
Kent, Washington

December 3, 2020

Terracon Project No.81207486



Prepared for:

King County Facilities Management Division
Seattle, Washington

Prepared by:

Terracon Consultants, Inc.
Mountlake Terrace, Washington

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Project Title: Regulated Building Materials Assessment
1233 Central Ave North
Kent, Washington

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Assessment Date: November 2-4, 2020

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EXECUTIVE SUMMARY

King County Facilities Management Division retained Terracon Consultants (Terracon) to conduct a hazardous building materials assessment of the Kent Central Motel located at 1233 Central Ave North in Kent, Washington. Terracon's representatives, Mr. Daniel Sheppard and Mr. Jacob Lindberg, conducted the assessment on November 2-4, 2020. The scope of the services provided is described in Terracon Proposal Number P81197486 dated October 16, 2020.

Terracon assessed the building for the following regulated building materials:

- Asbestos-containing materials (ACM);
- Assumed asbestos-containing materials;
- Lead-containing coatings (paints);
- PCB-containing caulking;
- Mercury-containing light tubes, switches, and thermostats;
- Suspected high-intensity discharge (HID) lamps; and
- Suspected PCB-containing fluorescent light ballasts.

One hundred forty-four bulk samples (consisting of XXX layers) of suspect asbestos-containing materials were collected and analyzed using Polarized Light Microscopy (PLM). Five materials were found to contain greater than one percent asbestos and three materials were assumed to contain asbestos. In addition, three materials were found to contain less than one percent asbestos.

Twenty-six paint chip samples were collected and analyzed for total lead content. Two of the paint chip samples was found to contain detectable levels of lead.

Mercury-containing fluorescent light tubes and PCB-containing ballasts were identified in the building.

Three samples of suspected PCB-containing caulking were collected. None of the samples were found to contain PCBs above the laboratory limit of detection.

1.0 INTRODUCTION

King County Facilities Management Division retained Terracon Consultants (Terracon) to conduct a hazardous building materials assessment of the Kent Central Motel located at 1233 Central Ave North in Kent, Washington. Terracon's representatives, Mr. Daniel Sheppard and Mr. Jacob Lindberg, conducted the assessment on November 2-4, 2020. Mr. Peter Snider conducted additional sampling on December 6, 2019. The scope of the services provided is described in Terracon Proposal Number P81197486 dated October 16, 2020.

Terracon assessed the building for the following regulated building materials:

- Asbestos-containing materials (ACM);
- Assumed asbestos-containing materials;
- Lead-containing coatings (paints);
- PCB-containing caulking.
- Mercury-containing light tubes, switches, and thermostats;
- Suspected high-intensity discharge (HID) lamps; and
- Suspected PCB-containing fluorescent light ballasts.

2.0 PROJECT BACKGROUND

This report presents the results of our hazardous building materials assessment of the Kent Central Motel located at 1233 Central Ave North in Kent, Washington. The purpose of the assessment was to identify potential asbestos-containing material, lead-containing coatings, PCB-containing caulking, PCB-containing light ballasts, and mercury-containing components prior and for purposes of hazard communication and on-going management. The assessments included the interior and exterior.

This assessment will assist King County Facilities Management Division with communicating the presence of regulated building materials, and the presence, location, and quantity of ACM to employees, vendors, and contractors working in the project area and to meet the requirements for an asbestos survey for the Puget Sound Clean Air Agency (PSCAA) and a good faith inspection as required by Washington State Department of Labor and Industries' Division of Occupational Safety and Health (DOSH) regulations prior to building renovation. Regulations require that a complete copy of this assessment be kept in a conspicuous location on-site at all times during activities that may impact known and suspect ACM.

2.1 Sources of Information

During the course of the assessment, the following individuals provided assistance to the Terracon inspector:

- Ms. Maureen Thomas, King County Facilities Management
- King County FMD security personnel – Provided access to site

2.2 Building Description

The Kent Central Motel site consists of three buildings located at 1233 Central Ave North in Kent, Washington. The three buildings were previously operated by Econo Lodge and have approximately 36,698 square feet of combined interior floor space. The buildings were constructed in 1978 and have had multiple renovations over the years. Heating and cooling in the buildings are provided by heating, ventilating and air conditioning (HVAC) units mounted in the exterior walls off each unit. Interior spaces consist of bedrooms, bathrooms, kitchenets, lobby, offices, kitchen, restrooms, maintenance rooms, fitness room, tool room, Laundry rooms, electrical rooms, water heater rooms, server room. Interior horizontal finishes in the buildings consist of carpet, vinyl floor tiles, vinyl floor sheeting, tongue and groove hardwood flooring, tongue and groove vinyl flooring ceramic floor tiles, and gypsum wallboard. Interior vertical finishes in the buildings consist of gypsum wallboard, ceramic wall tiles, mirrors, wood wall paneling, and rubber cove base. Exterior finishes consist of wood siding and a brick and mortar façade. Within the building complex there is an exterior pool area with a wood pump enclosure that supports the pool and hot tub. Observed piping is uninsulated or insulated in non-suspect neoprene pipe wrap.

3.0 ASBESTOS ASSESSMENT

3.1 Building Assessment

Mr. Daniel Sheppard and Mr. Jacob Lindberg, both Asbestos Hazard Emergency Response Act (AHERA)-accredited building inspectors (Certification 1748621, expiration date: 7/30/2021 and Certification 178883, expiration date: 9/9/2021, respectively) from Terracon, performed the sampling on November 2-4, 2020. Terracon's inspector collected One hundred forty-four samples (consisting of 214 layers) of materials identified as suspect ACM.

This assessment was conducted using a modified protocol adapted from AHERA. The protocol is as follows:

- Identify suspect asbestos-containing materials.
- Group materials into homogeneous sampling areas/materials.

- Quantify each homogeneous material and collect representative samples. The number of samples collected of miscellaneous materials was determined by the inspector.
- Samples of each material were taken to the substrate, ensuring that all components and layers of the material were included.
- Sample locations are referenced on the field data forms according to sample number.
- Sampling was performed by an AHERA-accredited building inspector, and the use of proper protective equipment and procedures was followed.

3.2 Sampling Procedures

This sampling was conducted using the following procedures:

1. Spread the plastic drop cloth (if needed) and set up other equipment, e.g., ladder.
2. Don protective equipment (respirator and protective clothing if needed).
3. Label sample container with its identification number and record number. Record sample location and type of material sampled on a sampling data form.
4. Moisten area where sample is to be extracted (spray the immediate area with water).
5. Extract sample using a clean knife, drill capsule, or cork boring tool to cut out or scrape off approximately one tablespoon of the material. Penetrate all layers of material.
6. Place sample in a container and tightly seal it.
7. Wipe the exterior of the container with a wet wipe to remove any material that may have adhered to it during sampling.
8. Clean tools with wet wipes and wet mop; or vacuum area with HEPA vacuum to clean all debris.
9. Discard protective clothing, wet wipes and rags, cartridge filters, and drop cloth in a labeled plastic waste bag.

3.3 Analytical Methodology

Suspect ACMs were sampled in general accordance with 40 CFR 763.86 by an Environmental Protection Agency (EPA) AHERA-accredited building inspector. Each sample was collected and stored in a heavy-duty, self-sealing plastic bag, and delivered to EMSL Analytical, Inc. in Seattle, Washington. Each sample layer was analyzed via polarized light microscopy (PLM) in accordance with EPA/600/R-93/116. EMSL Analytical, Inc. is accredited to perform PLM analysis by the National Institute of Standards and Technology National Voluntary Laboratory Accreditation Program (NVLAP).

3.4 Asbestos Results

Table 3.4-1 provides a list of suspect homogeneous sampling area (HSA) material descriptions, material locations, and results for this sampling. Asbestos-containing materials are presented in bold text. Refer to the attached Sample Location Descriptions for sample locations and room number designations (as applicable). Refer to the attached photographs for HSA pictures.

Note: Because all three buildings at the site generally represent similar construction and renovation history, building materials that were observed to be consistent in appearance, color, and texture were considered homogenous between the three buildings. However, representative samples of site-wide homogenous materials were collected from each building in which they were observed.

Table 3.4-1. Results of Bulk Sample Analyses

HSA ID, Material Description, and AHERA Classification	Material Location	HSA Results
1: Grey pebble pattern vinyl floor sheeting, yellow mastic, and grey leveling compound (M)	Flooring in guest rooms in places throughout project area	Vinyl: ND Mastic: ND Leveling compound: ND
2: Grey wood pattern tongue and groove vinyl floor tiles and grey leveling compound (M)	Flooring in guest rooms in places throughout project area	Vinyl: ND Leveling compound: ND
3: 6" Brown rubber cove base, yellow mastic, and white joint compound (M)	At base of wall in guest rooms throughout project area	Cove base: ND Mastic: ND Joint compound: ND
4: White texture (S), beige wallpaper, beige mastic, white joint compound, white paper, white joint compound, white gypsum wallboard (M)	Walls and ceilings throughout project area	Texture: ND Wallpaper: ND Mastic: ND Joint compound: ND to <1% chrysotile Paper: ND Joint compound: ND

Table 3.4-1. Results of Bulk Sample Analyses

HSA ID, Material Description, and AHERA Classification	Material Location	HSA Results
5: White texture (S), beige wallpaper, beige mastic, white paper, and joint compound (M)	Wall texture throughout building C and predominate wall texture building A and B	Texture: ND Wallpaper: ND Mastic: ND Paper: ND Joint compound: ND to <1% chrysotile
6: White popcorn texture (S)	Predominant ceiling texture in guest rooms and in place throughout buildings	Texture: 3% to 5% Chrysotile
7: 4" brown rubber cove base and beige mastic (M)	At base of walls in maintenance closets throughout project area	Cove base: ND Mastic: ND
8: 4"x 4" white ceramic tile, white grout, yellow mastic, and white joint compound (M)	Predominate tiles on shower walls and window sills in places throughout project area	Tile: ND Grout: ND Mastic: ND Joint compound: ND to <1% chrysotile
9: 8"x 8" white ceramic tile, red grout, and grey mortar bed (M)	Floor tile in places throughout guest bathrooms	Tile: ND Grout: ND Mortar: ND
10: White sealant, white mastic, and white joint compound (M)	Sealant associated shower and sink fixtures in places throughout project area	Sealant: ND Joint compound: ND
11: Tan and brown diamond pattern vinyl floor sheeting tiles with tan mastic (M)	Flooring in places in laundry, water heater, storage, electrical, and maintenance rooms	Vinyl floor sheeting tiles: 30% chrysotile
12: 12"x 12" white ceramic floor tile and grey grout (M)	Floor tile throughout fitness room restroom	Tile: ND Grout: ND
13: 12"x 12" brown ceramic floor tile with brown grout (M)	Shower walls in places throughout project area	ND
14: Brown asphaltic vapor barrier (M)	Behind exterior 4' high brick façade throughout project area.	ND
15: Pool lining (multiple materials; not accessible)	Pool in central courtyard area	Assumed to contain asbestos

Table 3.4-1. Results of Bulk Sample Analyses

HSA ID, Material Description, and AHERA Classification	Material Location	HSA Results
16: 12"x 12" red brick pattern vinyl floor tile, clear mastic with debris, black coating, Tan mastic, and brown vinyl floor sheeting(M)	Flooring throughout building B laundry room	Vinyl tile: ND Clear mastic: ND Black coating: ND Tan mastic: ND Vinyl floor sheeting backing: 15% Chrysotile
17: 4" grey rubber cove base and beige mastic (M)	At base of walls throughout building B laundry room	Cove base: ND Mastic: ND
18: Brown fiberglass reinforced panel, tan mastic, and joint compound (M)	Sink backsplash in building B laundry room	Fiberglass reinforced panel: ND Mastic: ND Joint compound: ND
19: Grey joint sealant (M)	Sealant on exposed piping in building B laundry room	ND
20: White texture with mastic, white texture (S), beige wallpaper, and white joint compound (M)	Walls and ceilings in rooms A-01, A-02, A-03, A-05, A-06, A-07, A-201, and B-17	Texture with mastic: ND Texture: ND Wallpaper: ND Joint compound: ND to 3% chrysotile
21: 12"x 12" white stone tile and white grout (M)	Floor in room A-201 restroom	Stone: ND Grout: ND.
22: 2'x 2' white and red ceramic tile, white mastic, and white grout (M)	Walls in room A-201 restroom	Tile: ND Mastic: ND White grout: ND
23: Beige wallpaper, yellow mastic, and white joint compound (M)	East wall of room A-201	Wallpaper: ND Mastic: ND Joint compound: ND
24: Black squeak sheet (M)	Beneath wood flooring in room A-201	ND
25: White putty (M)	Putty on handrail outside of room A-201	ND
26: Yellow fiberglass blown in insulation (T)	Insulation in attics throughout project area	Visually assessed and determined to be visually negative
27: Clear silicone sealant (M)	At sinks in places throughout project area	Visually assessed and determined to be visually negative

Table 3.4-1. Results of Bulk Sample Analyses

HSA ID, Material Description, and AHERA Classification	Material Location	HSA Results
28: Black and purple sealant (M)	On PVC piping throughout pool pump enclosure	ND
29: Silver foil with yellow mastic (M)	On ducting in building B laundry room	ND
30: Red brick and grey mortar (M)	4' high exterior brick Façade throughout project area	Brick: ND Mortar: ND
31: 3"x 6" white ceramic tile, white grout and white material (M)	Tile on window sill in room C-14	Tile: ND Grout: ND White material: ND
32: Marble panel with tan grout (M)	Shower wall in room B-1	ND
33: Yellow mastic and tan mastic (M)	Mastic on wood backsplash around sinks in places throughout guest rooms	Yellow mastic: ND Tan mastic: ND
34: Grey wood pattern vinyl floor tile, clear mastic, and grey mastic (M)	Flooring in kitchenet in room A-3	Vinyl: ND Clear mastic: ND Grey mastic: ND
35: Tan mastic and grey material (M)	Associated with flooring seams strips throughout first floor rooms.	Mastic: ND tan material: ND
36: 12"x 12" tan ceramic floor tile, beige grout, and white mortar (M)	Floor tile in tool room restroom	Tile: ND Grout: ND Mortar: ND
37: Grey carpet (M)	Flooring throughout tool room	ND
38: Black sink undercoating (M)	Sink undercoating behind main lobby	ND
39: 12"x 12" tan mottled ceramic floor tile, grey grout, grey mortar, and grey fibrous mat (M)	Flooring in the kitchen associated with the lobby	Tile: ND Grout: ND Mortar: ND Fibrous mat: 30% chrysotile
40: Beige mastic and black foam pad (M)	Foam beneath cabinets in lobby	Mastic: ND Foam: ND
41: White foam (M)	Under wood flooring in lobby	ND
42: Black foam with tan mastic (M)	Bellow flooring in fitness room	Foam: ND Mastic: ND
43: Tan sealant (M)	Sealant in fitness restroom	ND

Table 3.4-1. Results of Bulk Sample Analyses

HSA ID, Material Description, and AHERA Classification	Material Location	HSA Results
44: Tan fiberglass reinforced panel with mastic (M)	Wall panels throughout fitness room restroom	Mastic assumed ACM
45: Wall panel mastic (M)	Behind wood wall panels in fitness room	Mastic assumed ACM
46: 12"x18" grey marble pattern ceramic tile with grout (M)	Patchwork tile in B-3 restroom	ND
47: Brown compressed fiber board and brown mastic (M)	Wall paneling in building B electrical room	Fiber board: ND Brown mastic: ND

ND: none detected, HSA: material that is uniform in color, texture, general appearance, and construction and application date, S: Surfacing material per AHERA, T: Thermal system insulation per AHERA, M: Miscellaneous material per AHERA

Additional suspect ACMs may be present in inaccessible or concealed spaces. These spaces include but are not limited to, materials associate with the roof, building materials in the water filled pool and hot tub, behind wall paneling in the fitness room, an inaccessible maintenance closet in the east side of the lobby suite, fire doors, electrical systems, pipe chases, spaces between wall/ceiling/door/floor cavities, interior of mechanical components, beneath foundation pads, etc. If future maintenance, renovation, and/or demolition activities make these areas accessible, Terracon recommends that a thorough assessment of these spaces be conducted at that time to identify and confirm the presence or absence of additional suspect ACMs. Until then, all such unidentified materials must be treated as assumed ACMs in accordance with applicable federal, state, and local regulations.

If the analytical results indicate that all the samples collected per HSA do not contain asbestos, then the HSA (material) is considered a non-ACM. However, if the analytical results of one or more of the samples collected per HSA indicate that asbestos is present in quantities of greater than one percent asbestos as defined by the EPA, all of the HSA (material) is considered to be an ACM regardless of any other analytical results (unless a representative number of samples have been analyzed by PLM point counting as described below, and the results indicate the material contains less than one percent asbestos).

Any material that contains greater than one percent asbestos is considered an ACM and must be handled according to Occupational Safety and Health Administration (OSHA), EPA, and applicable state and local regulations. The EPA National Emission Standard for Hazardous Air Pollutants (NESHAP) 40 CFR 61, Subparts A and M has a requirement related to assessment of suspect ACM in buildings. When the asbestos content of a friable material is visually estimated by PLM to be detectable but less than ten percent, your firm may elect to (1) assume the amount is greater than one percent and treat the material as asbestos-containing or (2) require verification of the amount by the PLM point counting technique. If the results obtained by point counting and visual estimation are different, the point count result must be used. When no asbestos is detected by PLM, point counting is not required.

4.0 LEAD ASSESSMENT

Homogeneous areas of suspected lead-containing coatings (paints) were identified and sampled in accessible areas throughout the Kent Central Motel located at 1233 Central Ave North in Kent, Washington. Homogeneous painted surfaces were defined by substrate, application, and color.

4.1 Sampling Methodology

Paint chip samples were collected to the substrate to ensure that all layers present on the substrate were included in the laboratory analysis. Each sample was collected and stored in a heavy-duty, self-sealing plastic bag and delivered to EMSL Analytical, Inc. in Seattle, Washington. Samples were analyzed via Atomic Absorption Spectrophotometry in accordance with Method EPA 7000B. EMSL Analytical, Inc. in Seattle, Washington is accredited by the American Industrial Hygiene Association (AIHA) for lead analysis.

4.2 Lead Sampling Results

Twenty-six paint chip samples were collected and analyzed for lead. Two sample had reportable levels of lead. The results of the analyses are presented in Table 4.2-1.

Table 4.2-1. Paint Chip Sample Results

Paint Number and Description	Paint Location	Sample Result in parts per million (ppm)
Pb1: White paint on gypsum wallboard	Predominate paint on interior walls and ceilings	<80 to <90
Pb2: Grey paint on gypsum wallboard	Paint on interior accent walls in places	<80 to <89

Table 4.2-1. Paint Chip Sample Results

Paint Number and Description	Paint Location	Sample Result in parts per million (ppm)
Pb3: Blue paint on gypsum wallboard	Paint on interior accent walls in places	<80 to <110
Pb4: red paint on gypsum wallboard	Predominate paint on interior walls of A-201	<80
Pb5: White paint on metal	Paint on interior side of doors in places throughout	<80
Pb6: White paint on wood	Paint on interior trim throughout fitness room	<80
Pb7: Brown paint on wood	Paint on interior trim around entry doors in places throughout	<80
Pb8: Grey paint on wood	Paint on exterior trim in places throughout	<80
Pb9: Red paint on metal	Predominate paint on exterior of doors throughout	<80 to 110
Pb10: Grey paint on concrete	Predominate paint on exterior walkways and stairs throughout	<80
Pb11: Grey paint on wood	Paint on exterior handrails throughout	<80
Pb12: Grey paint on wood	Paint on exterior of door trim throughout	<80
Pb13: Tan paint on wood	Predominate paint on exterior siding throughout	<80
Pb14: Tan paint on wood	Predominate paint on underside of exterior eve	<80
Pb15: Tan paint on wood	Paint on exterior handrail posts throughout	<80
Pb16: Tan paint on metal	Predominate paint on exterior AC unit grating throughout	630
Pb17: Grey paint on wood	Predominate paint on exterior pool pump housing.	<80
Pb18: Grey paint on gypsum wallboard	Predominate paint on interior walls throughout lobby	<80
Pb19: Black paint on wood	Predominate paint on exterior fence around pool	<170

<: below the reporting limit

5.0 OTHER REGULATED BUILDING MATERIALS

5.1 Methodology – PCB Caulking

Each suspected PCB-containing caulking sample was collected and stored in a glass jar with a metal lid and delivered to NVL Labs in Seattle, Washington. Samples were analyzed via Gas Chromatography in accordance with EPA Method 8082 “Polychlorinated Biphenyls (PCBs) by Gas Chromatography/Mass Spectrometry”. NVL Labs in Seattle, Washington is accredited by the Washington State Department of Ecology and by the National Environmental Lab Accreditation program as administered by the National Laboratory Accreditation Committee for analysis of PCBs by EPA Method 8082 (reporting is in parts per million).

5.2 Methodology – Results

Table 5.2-1. Results of Bulk Sample Analyses

HSA ID, Material Description,	Material Location	HSA Results
PCB1: White sealant	Around tubs and sinks in places throughout project area	ND
PCB2: White sealant	Around doorway in room C-14	ND
PCB3: Tan sealant	Around shower in fitness room	ND

5.3 Methodology – Universal Wastes

An inventory of fluorescent light tubes, HID lamps, and potential PCB-containing ballasts was conducted in accessible areas of the project.

Mercury-containing light tubes were counted and documented in an inventory by length. Light tubes were determined to be one-foot loops and four-foot tubes.,

Magnetic ballasts are suspected of containing PCBs in the potting material or in the dielectric fluid in the capacitor. Electronic ballasts are not suspected of containing PCBs. A Philips Advance Sensor Switch “ballast checker” was used to identify magnetic versus electronic ballasts. The ballast checker is used by pointing the device at a powered light fixture, and the device indicates whether the ballast is electronic or magnetic.

Where high intensity discharge lamps could not be accessed or examined, the following assumptions were made:

- Each HID lamp contains one ballast;
- Each HID lamp contains a minimum of one mercury bulb, sodium vapor bulb, or metal halide bulb.

5.4 Results

Fluorescent light tubes and compact florescent bulb were observed in places throughout the building interiors and exterior. Electronic Ballasts were identified throughout the laundry room in building B. PCB containing ballasts were identified throughout the project area. Fluorescent light tubes, compact fluorescent light tubes, and PCB ballasts were identified in the following quantities

Table 5.4-1. Universal Wastes Results

Other Regulated Building Materials Description	Approximate Quantity
Mercury-containing fluorescent light tubes (4' length)	120
Mercury-containing fluorescent light tubes (1' loop)	56
Mercury-containing compact fluorescent light tubes	2
PCB-containing ballasts	47

6.0 CONCLUSIONS AND RECOMMENDATIONS

On November 2-4, 2020, Terracon conducted a hazardous building materials assessment of the Kent Central Motel located at 1233 Central Ave North in Kent, Washington.

6.1 Asbestos

The results of the asbestos assessment conducted at the Kent Central Motel indicate that the following building materials sampled are ACMs or are assumed to contain greater than one percent asbestos.

Table 6.1-1. ACM and Assumed ACM

HSA ID, Material Description, and AHERA Classification	Material Location	HSA Quantity (approximate)
6: White popcorn texture (S)	Predominant ceiling texture in guest rooms and in place throughout buildings	33,000 SF
11: Tan and brown diamond pattern vinyl floor sheeting with tan mastic (M)	Flooring in places in laundry, water heater, storage, electrical, and maintenance rooms	1,000 SF

HSA ID, Material Description, and AHERA Classification	Material Location	HSA Quantity (approximate)
15: Pool lining (multiple materials; not accessible)	Pool in central courtyard area	Pool: 1 Each
16: 12"x 12" red brick pattern vinyl floor tile, clear mastic with debris, black coating, Tan mastic, and brown vinyl floor sheeting(M)	Flooring throughout building B laundry room	Included in HSA 11
20: White texture with mastic, white texture (S), beige wallpaper, and white joint compound (M)	Walls and ceilings in rooms A-01, A-02, A-03, A-05, A-06, A-07, A-201, and B-17	15,000 SF
39: 12"x 12" tan mottled ceramic floor tile, grey grout, grey mortar, and grey fibrous mat (M)	Flooring in the kitchen associated with the lobby	200 SF
44: Tan fiberglass reinforced panel with assumed mastic (M)	Wall panels throughout fitness room restroom	200 SF
45: Wall panel with assumed mastic (M)	Behind wood wall panels in fitness room	500 SF

HSA: material that is uniform in color, texture, general appearance, and construction and application date, M: Miscellaneous material per AHERA, LF: linear feet, SF: square feet

Asbestos-related work must be performed in compliance with Washington State worker protection and environmental protection regulations. See WAC 296-62, WAC 296-65, and PSCAA Regulation III, Article 4 for additional information.

6.2 Lead

Two of the paints sampled and analyzed contained detectable levels of lead. The Washington State Department of Labor and Industries requires an exposure assessment be conducted during operations that may disturb the lead paint in such a way that the airborne exposure may reach or exceed the Action level of 30 micrograms per cubic meter ($\mu\text{g}/\text{m}^3$) or the Permissible Exposure Limit of 50 $\mu\text{g}/\text{m}^3$. The worker protection requirements of WAC 296-155-176 "Lead in Construction" may apply.

Some of the coatings contained detectable levels of lead. If this building or portions of it will be demolished and disposed of, a toxicity characteristic leachate procedure (TCLP) sample that is representative of the waste stream must be collected and analyzed per the requirements of WAC 173-303. If the results of the TCLP analysis determine the waste to be a "dangerous waste" as defined by WAC 173-303, it must be disposed of accordingly.

The lead paint chip sampling and reporting conducted as a part of this assessment is not intended to meet the requirements of the Environmental Protection Agency's Lead;

Renovation, Repair, and Painting rule (RRP). Refer to 40CFR745 for additional information.

6.3 Other Regulated Building Materials

Fluorescent light tubes, HID lamps, switches, and thermostats may contain mercury. Fluorescent light ballasts and HID lamp ballasts may contain PCBs. In Washington State, even ballasts labeled with "No PCBs" may have regulated quantities of PCBs and therefore should be handled in accordance with Washington Department of Ecology requirements. Employers must inform their employees of mercury and PCB hazards in accordance with WAC 296-800-170.

Fluorescent light tubes, HID lamps, switches, thermostats, and PCB light ballasts must be removed and recycled or disposed of prior to building demolition as per 40 CFR 262, 40 CFR 265, and WAC 173-303.

7.0 LIMITATIONS

This report presents the results of the hazardous building materials assessment conducted at the Kent Central Motel located at 1233 Central Ave North in Kent, Washington. The assessment was for the purposes of identifying ACM, lead-containing paint, PCB-containing caulking, mercury-containing components, PCB ballasts, and HID lamps prior to demolition.

Regulated building material assessments are non-comprehensive and subject to many limitations, including those presented below. Our assessment has considered risks pertaining to asbestos, lead in coatings, PCB-containing caulking, fluorescent lamps, mercury switches, PCB ballasts, and HID lamps; however, this assessment is limited to only those locations and materials assessed. This assessment was not designed to identify all potential concerns or to eliminate all risks associated with renovation, demolition, material removal, construction, or transferring of property title. Evaluation of other risks not specifically described in the Scope of Work have not been included; for example: structural integrity; engineering loads; electrical; mechanical; radon gas; slope stability; building settlement; and evaluation of toxic and hazardous substances in, or in contact with, soil and groundwater. No warranty, expressed or implied, is made.

Terracon has performed the services set forth in the Scope of Work in accordance with generally accepted industrial hygiene practices in the same or similar localities, related to the nature of the work accomplished, at the time the services were performed.

The regulated building materials and conditions presented in this report represent those observed on the dates we conducted the sampling. This sampling is intended for the exclusive use of King County Facilities Management Division for specific application to the referenced property. This assessment does not replace nor can be used as professionally developed construction or demolition plans, specifications, or bidding documents. This report is not a legal opinion.

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Sample Location Descriptions

ACM Sample Location Description

Sample ID	Room Number	Sample Location description
EK-1-01	A-17	Conjoining door threshold
EK-1-02	C-4	Near bed
EK-1-03	C-14	Conjoining door threshold
EK-1-04	C-22	Restroom threshold
EK-1-05	B-19	Partition near restroom
EK-1-06	B-16	Restroom threshold
EK-1-07	A-22	Behind entry door
EK-2-01	A-16	Conjoining door threshold
EK-2-02	B1-2	Near entry
EK-2-03	B-1	Partition near restroom
EK-2-04	A-7	Restroom threshold
EK-3-01	A-17	Near restroom door
EK-3-02	C-4	Outside restroom door
EK-3-03	B-19	Near entry
EK-4-01	A-17	Wall near sink
EK-4-02	C-4	Near fridge
EK-4-03	Building B, Laundry Room	Near east entry
EK-4-04	C-1	Near restroom door
EK-4-05	C-14	Wall near restroom
EK-4-06	C-18	Southwest corner
EK-4-07	C-22	Southeast corner
EK-4-08	C-9	Behind entry door
EK-4-09	C-11	Partition near restroom
EK-4-10	B-19	Partition near restroom
EK-4-11	B-22	Behind entry door
EK-4-12	B-12	Near entry
EK-4-13	B-1	Partition near restroom

ACM Sample Location Description

Sample ID	Room Number	Sample Location description
EK-4-14	B-4	Partition near restroom
EK-4-15	B-16	Northeast corner
EK-4-16	A-7	Behind entry door
EK-4-17	A-3	Behind entry door
EK-4-18	A-34	Behind entry door
EK-4-19	A-27	Partition near restroom
EK-4-20	Lobby	Back office
EK-4-21	Lobby	Communal space partition wall
EK-5-01	A-17	Wall near sink
EK-5-02	C-4	Near fridge
EK-5-03	Building B, Laundry Room	Near sink
EK-5-04	C-1	Near restroom door
EK-5-05	C-14	Wall near restroom
EK-5-06	C-18	Southwest corner
EK-5-07	C-22	Southeast corner
EK-5-08	C-9	Behind entry door
EK-5-09	C-11	Partition near restroom
EK-5-10	B-19	Partition near restroom
EK-5-11	B-22	Behind entry door
EK-5-12	B-12	Near entry
EK-5-13	B-1	Partition near restroom
EK-5-14	B-4	Partition near restroom
EK-5-15	B-16	Northeast corner
EK-5-16	A-34	Behind entry door
EK-5-17	A-27	Partition near restroom
EK-5-18	A-25	Behind entry door
EK-5-19	A-28	Restroom threshold

ACM Sample Location Description

Sample ID	Room Number	Sample Location description
EK-5-20	Lobby	Communal space near whiteboard
EK-5-21	Lobby	Back office
EK-6-01	A-17	Ceiling near window
EK-6-02	C-4	Ceiling near entry
EK-6-03	C-14	Conjoining door threshold
EK-6-04	C-18	Ceiling near fire alarm
EK-6-05	C-22	Near sink
EK-6-06	C-9	Ceiling near bed
EK-6-07	C-11	Near restroom
EK-6-08	C-12	Partition near restroom
EK-6-09	B-19	Partition near restroom
EK-6-10	B-22	Ceiling near restroom
EK-6-11	B-12	Ceiling near restroom
EK-6-12	B-1	Partition near restroom
EK-6-13	B-4	Near entry
EK-6-14	B-16	Restroom threshold
EK-6-15	B-17	Restroom threshold
EK-6-16	A-7	Partition near restroom
EK-6-17	A-3	Near entry
EK-6-18	Building A, Tool Room	Near entry
EK-6-19	A-34	Partition near restroom
EK-6-20	A-27	Near Window
EK-6-21	Lobby	Back office
EK-7-01	A-16	Cove base near restroom
EK-7-02	Building C, Maintenance Room	Threshold of entry
EK-7-03	B-12	Near entry
EK-8-01	A-17	Window sill

ACM Sample Location Description

Sample ID	Room Number	Sample Location description
EK-8-02	Building B, Laundry Room	Window sill
EK-8-03	C-18	Shower
EK-9-02	Building A, Sauna	Near entry
EK-9-03	C-1	Restroom floor
EK-9-04	B-22	Restroom threshold
EK-10-01	A-17	Shower
EK-10-02	Building A, Sauna	Shower
EK-10-03	B-16	Shower
EK-11-01	Building A, Storage	East side, second floor
EK-11-02	Building C, Hot Water	Threshold of entry
EK-11-03	Building B, Laundry Room	Behind drier
EK-12-01	C-14	Restroom entry
EK-12-02	Building B, Fitness Room	Restroom threshold
EK-13-01	C-4	Shower
EK-13-02	B-16	Shower
EK-13-03	A-18	Shower
EK-14-01	Exterior	Outside of C-6 entry
EK-16-01	Building B, Laundry Room	Near driers
EK-16-02	Building B, Laundry Room	Center of Room
EK-17-01	Building B, Laundry Room	Near sink
EK-17-02	Building B, Laundry Room	Near south door
EK-18-01	Building B, Laundry Room	Near sink
EK-19-01	Building B, Laundry Room	Exposed pipe in east wall
EK-19-02	Building B, Laundry Room	Exposed pipe in east wall
EK-20-01	A-201	Ceiling near column
EK-20-02	A-201	Wall near window
EK-20-03	A-201	Wall near entry

ACM Sample Location Description

Sample ID	Room Number	Sample Location description
EK-20-05	A-201	Column
EK-20-06	B-17	Behind entry door
EK-20-07	A-7	Behind entry door
EK-20-08	A-22	Behind entry door
EK-21-01	A-201	Shower
EK-22-01	A-201	Shower
EK-23-01	A-201	East wall near restroom
EK-23-02	A-201	East wall near electrical outlet
EK-24-01	A-201	Near restroom door, beneath floor
EK-24-02	A-201	Near restroom door, beneath floor
EK-25-01	Exterior	Handrail outside of room 201
EK-28-01	Exterior	Pool water pump
EK-29-01	Building B, Laundry Room	Ducting behind drier
EK-30-01	Exterior	Near A-5 entry
EK-30-02	Exterior	Near B-13 entry
EK-30-03	Exterior	Near building C electrical entry
EK-31-01	C-14	Window sill
EK-32-01	B-1	Shower
EK-33-01	B-4	Sink splashguard
EK-33-02	B-16	Sink splashguard
EK-34-01	A-3	Restroom threshold
EK-34-02	A-3	Near sink
EK-35-01	A-3	Restroom threshold
EK-35-02	A-7	Restroom threshold
EK-36-01	Building A, Tool Room	Restroom threshold
EK-37-01	Building A, Tool Room	Restroom threshold
EK-38-01	Lobby	Communal room sink

ACM Sample Location Description

Sample ID	Room Number	Sample Location description
EK-39-01	Lobby	Near communal sink
EK-39-02	Lobby	Communal space along east wall
EK-40-01	Lobby	Communal space beneath counter
EK-41-01	Lobby	Communal space beneath faux wood flooring
EK-42-01	Building B, Fitness Room	Near sink
EK-43-01	Building B, Fitness Room	Shower
EK-46-01	B-3	Shower
EK-47-01	Building B, Electrical	East side of building, second floor

Lead Paint Chip Sample Location Description

Sample ID	Room Number	Sample Location description
EK-Pb1-01	Building B Laundry Room	Near entry
EK-Pb1-02	C-4	Near bed
EK-Pb1-03	A-5	Near bed
EK-Pb2-01	A-25	Accent wall
EK-Pb2-02	B-15	Accent wall
EK-Pb3-01	A-4	Accent wall
EK-Pb3-02	C-1	Accent wall
EK-Pb4-01	A-201	Colum
EK-Pb5-01	A-6	Inside of door frame
EK-Pb5-02	B-14	Inside of door frame
EK-Pb6-01	Fitness Room	Near entry
EK-Pb7-01	B-18	Trim around door frame
EK-Pb8-01	Outside B-06	Exterior trim
EK-Pb9-01	Outside A-33	Exterior of door
EK-Pb9-0	Outside C-11	Exterior of door
EK-Pb10-01	Outside A-33	Walkway outside entry
EK-Pb10-02	Outside C-12	Walkway outside entry
EK-Pb11-01	Outside A-15	Handrail outside entry
EK-Pb12-01	Outside C-17	Trim around door
EK-Pb13-01	Outside A-33	Siding near entry
EK-Pb13-02	Outside Building C Maintenance Room	Siding near entry
EK-Pb14-01	Outside B-12	Eve near entry
EK-Pb15-01	Outside C-23	Handrail posts near entry
EK-Pb16-01	Outside C-12	Near entry
EK-Pb17-01	Pump enclosure	Near pool
EK-Pb18-01	Lobby	Near side entrance
EK-Pb19-01	Pool fence	Near Building C

PCB Caulking Sample Location Description

Sample ID	Room Number	Sample Location description
EK-PCB1-01	A-17	Near shower
EK-PCB2-01	C-14	Near doorway
EK-PCB3-01	Fitness Room	Near shower

Photographs



King County Kent Central Motel



HA No. 1. Grey pebble pattern vinyl floor sheeting, yellow mastic, and grey leveling compound (M)



HA No. 2. Grey wood pattern tongue and groove vinyl floor tiles and grey leveling compound (M)



HA No. 3. 6" Brown rubber cove base, yellow mastic, and white joint compound (M)



HA No. 4. White texture (S), beige wallpaper, beige mastic, white joint compound, white paper, white joint compound, white gypsum wallboard (M)



HA No. 5. White texture (S), beige wallpaper, beige mastic, white paper, and joint compound (M)



HA No. 6. White popcorn texture (S)



HA No. 7. 4" brown rubber cove base and beige mastic (M)



HA No. 8. 4"x 4" white ceramic tile, white grout, yellow mastic, and white joint compound (M)



HA No. 9. 8"x 8" white ceramic tile, red grout, and grey mortar bed (M)



HA No. 10. White sealant, white mastic, and white joint compound (M)



HA No. 11. Tan and brown diamond pattern vinyl floor sheeting with tan mastic (M)



HA No. 12. 12"x 12" white ceramic floor tile and grey grout (M)



HA No. 13. 12"x 12" brown ceramic floor tile with brown grout (M)



HA No. 14. Brown asphaltic vapor barrier (M)

Pool Lining (not accessible; assumed ACM)

HA No. 15.



HA No. 16. 12"x 12" red brick pattern vinyl floor tile, clear mastic with debris, black coating, Tan mastic, and brown vinyl floor sheeting(M)



HA No. 17. 4" grey rubber cove base and beige mastic (M)



HA No. 18. Brown fiberglass reinforced panel, tan mastic, and joint compound (M)



HA No. 19. Grey joint sealant (M)



HA No. 20. White texture with mastic, white texture (S), beige wallpaper, and white joint compound (M)



HA No. 21. 12"x 12" white stone tile and white grout (M)



HA No. 22. 2'x 2' white and red ceramic tile, white mastic, and white grout (M)



HA No. 23. Beige wallpaper, yellow mastic, and white joint compound (M)



HA No. 24. Black squeak sheet (M)



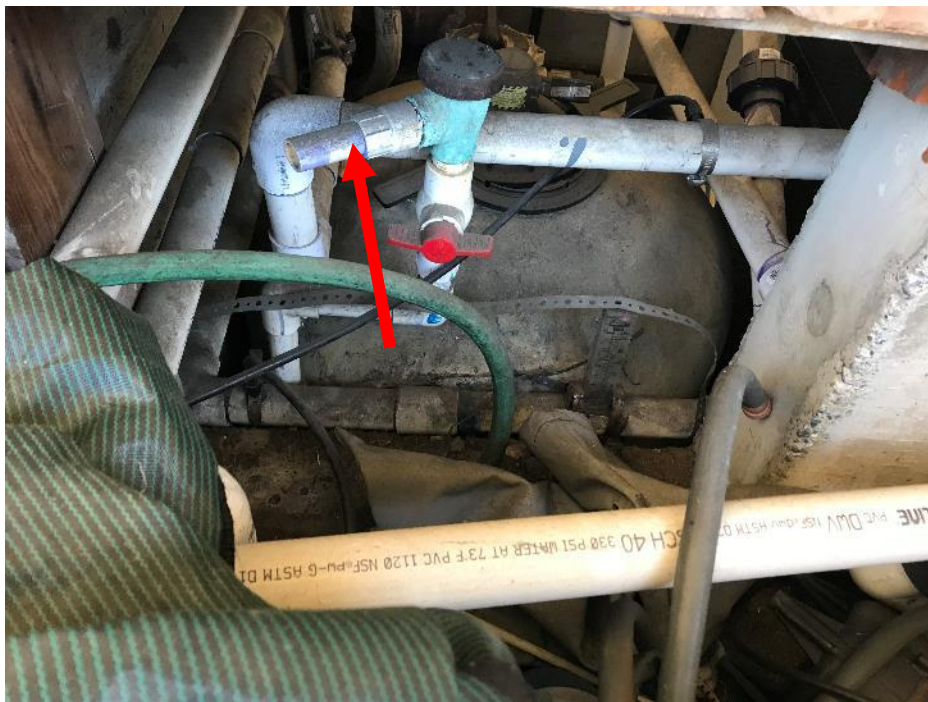
HA No. 25. White putty (M)



HA No. 26. Yellow fiberglass blown in insulation (T)



HA No. 27. Clear silicone sealant (M)



HA No. 28. Black and purple sealant (M)



HA No. 29. Silver foil with yellow mastic (M)



HA No. 30. Red brick and grey mortar (M)



HA No. 31. 3"x 6" white ceramic tile, white grout and white material (M)



HA No. 32. Marble panel with tan grout (M)



HA No. 33. Yellow mastic and tan mastic (M)



HA No. 34. Grey wood pattern vinyl floor tile, clear mastic, and grey mastic (M)



HA No. 35. Tan mastic and grey material (M)



HA No. 36. 12"x 12" tan ceramic floor tile, beige grout, and white mortar (M)



HA No. 37. Grey carpet (M)



HA No. 38. Black sink undercoating (M)



HA No. 39. 12"x 12" tan mottled ceramic floor tile, grey grout, grey mortar, and grey fibrous mat (M)



HA No. 40. Beige mastic and black foam pad (M)



HA No. 41. White foam (M)



HA No. 42. Black foam with tan mastic (M)



HA No. 43. Tan sealant (M)



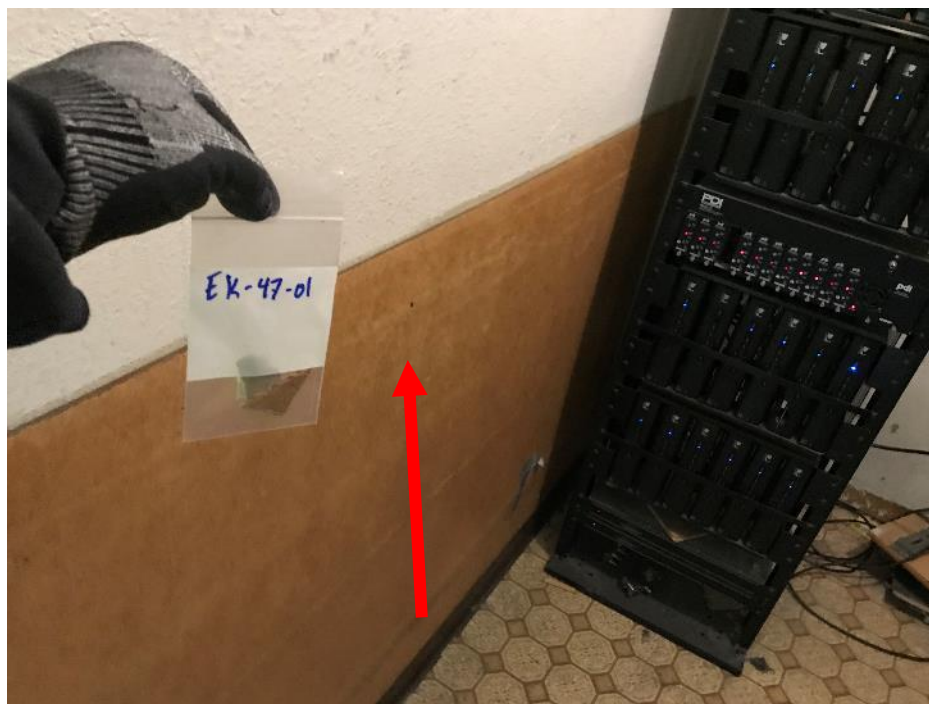
HA No. 44. Tan fiberglass reinforced panel with mastic (M)



HA No. 45. Wall panel mastic (M)



HA No. 46. 12"x18" grey marble pattern ceramic tile with grout (M)



HA No. 47. Brown compressed fiber board and brown mastic (M)

Appendix A Asbestos Laboratory Analytical Results



EMSL Analytical, Inc.

5900 4th Avenue S, Suite 100, 1st Floor Seattle, WA 98108

Tel/Fax: (206) 269-6310 / (206) 900-8789

<http://www.emsl.com> / seattlelab@emsl.com

EMSL Order: 512002860

Customer ID: TCWA25

Customer PO: 81207486

Project ID:

Attention: Peter Snider
Terracon Consultants, Inc.
21905 64th Ave. W.
Suite 100
Mountlake Terrace, WA 98043

Phone: (425) 771-3304

Fax: (425) 771-3549

Received Date: 11/04/2020 2:50 PM

Analysis Date: 11/11/2020 - 11/13/2020

Collected Date:

Project: 81207486

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-1-01-Vinyl Sheet Flooring		Gray/White/Beige Fibrous Homogeneous	15% Synthetic 5% Glass	80% Non-fibrous (Other)	None Detected
<i>512002860-0001</i>					
EK-1-01-Mastic		Yellow Non-Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
<i>512002860-0001A</i>					
<i>Result includes a small amount of inseparable attached material</i>					
EK-1-01-Leveler		Gray Non-Fibrous Homogeneous	2% Glass	3% Quartz 95% Non-fibrous (Other)	None Detected
<i>512002860-0001B</i>					
EK-1-02-Vinyl Sheet Flooring		Gray/White/Beige Fibrous Homogeneous	15% Synthetic 5% Glass	80% Non-fibrous (Other)	None Detected
<i>512002860-0002</i>					
EK-1-02-Mastic & Leveler		Gray/Yellow Non-Fibrous Heterogeneous	5% Glass	3% Quartz 92% Non-fibrous (Other)	None Detected
<i>512002860-0002A</i>					
<i>Inseparable mastic & leveler</i>					
EK-1-03-Vinyl Floor Tile		Gray/White Fibrous Homogeneous	15% Synthetic 5% Glass	80% Non-fibrous (Other)	None Detected
<i>512002860-0003</i>					
EK-1-03-Mastic		Yellow Non-Fibrous Homogeneous	2% Glass	98% Non-fibrous (Other)	None Detected
<i>512002860-0003A</i>					
<i>Result includes a small amount of inseparable attached material</i>					
EK-1-03-Leveler		Gray Fibrous Homogeneous	5% Glass	2% Quartz 93% Non-fibrous (Other)	None Detected
<i>512002860-0003B</i>					
EK-1-04-Vinyl Sheet Flooring		Gray/White Fibrous Homogeneous	15% Synthetic 5% Glass	80% Non-fibrous (Other)	None Detected
<i>512002860-0004</i>					
EK-1-04-Mastic		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0004A</i>					
EK-1-04-Leveler		Gray Non-Fibrous Homogeneous	5% Glass	5% Quartz 90% Non-fibrous (Other)	None Detected
<i>512002860-0004B</i>					
EK-1-04-Mud		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
<i>512002860-0004C</i>					
EK-1-05-Vinyl Sheet Flooring		Gray/White Fibrous Homogeneous	10% Synthetic 5% Glass	85% Non-fibrous (Other)	None Detected
<i>512002860-0005</i>					
EK-1-05-Mastic		Yellow Non-Fibrous Homogeneous	6% Glass	94% Non-fibrous (Other)	None Detected
<i>512002860-0005A</i>					

Initial report from: 11/13/2020 11:47:34



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EMSL Order: 512002860
Customer ID: TCWA25
Customer PO: 81207486
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
<i>Result includes a small amount of inseparable attached material</i>					
EK-1-05-Leveler <i>512002860-0005B</i>		Gray Non-Fibrous Homogeneous	5% Glass	3% Quartz 92% Non-fibrous (Other)	None Detected
EK-1-06-Vinyl Sheet Flooring <i>512002860-0006</i>		Gray/White Fibrous Homogeneous	15% Synthetic 5% Glass	80% Non-fibrous (Other)	None Detected
EK-1-06-Mastic <i>512002860-0006A</i>		Yellow/Orange Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-1-06-Leveler <i>512002860-0006B</i>		Gray Fibrous Homogeneous	5% Glass	3% Quartz 92% Non-fibrous (Other)	None Detected
EK-1-07-Vinyl Sheet Flooring <i>512002860-0007</i>		Gray/White Fibrous Homogeneous	10% Synthetic 2% Glass	88% Non-fibrous (Other)	None Detected
EK-1-07-Mastic & Leveler <i>512002860-0007A</i> <i>Inseparable mastic and leveler</i>		Gray/Yellow Non-Fibrous Heterogeneous	<1% Cellulose 4% Glass	5% Quartz 91% Non-fibrous (Other)	None Detected
EK-2-01 <i>512002860-0008</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-2-02-Vinyl Floor Tile <i>512002860-0009</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-2-02-Leveler <i>512002860-0009A</i>		White Non-Fibrous Homogeneous	5% Cellulose	95% Non-fibrous (Other)	None Detected
EK-2-03 <i>512002860-0010</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-2-04 <i>512002860-0011</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-3-01-Cove Base <i>512002860-0012</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-3-01-Mastic <i>512002860-0012A</i>		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-3-02-Cove Base <i>512002860-0013</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-3-02-Mastic <i>512002860-0013A</i>		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-3-02-Mud <i>512002860-0013B</i> <i>Thin layer</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-3-03-Cove Base <i>512002860-0014</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-3-03-Mastic <i>512002860-0014A</i>		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-4-01-Texture <i>512002860-0015</i>		White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
EK-4-01-Wallpaper <i>512002860-0015A</i>		Tan/White Fibrous Homogeneous	55% Cellulose 25% Synthetic	20% Non-fibrous (Other)	None Detected
EK-4-01-Mastic <i>512002860-0015B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-4-01-Mud <i>512002860-0015C</i>		White Non-Fibrous Homogeneous	2% Cellulose	55% Ca Carbonate 43% Non-fibrous (Other)	None Detected
EK-4-01-Tape <i>512002860-0015D</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-01-Joint Compound <i>512002860-0015E</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-01-Drywall <i>512002860-0015F</i>		Brown/White Fibrous Homogeneous	20% Cellulose	55% Gypsum 25% Non-fibrous (Other)	None Detected
EK-4-02-Texture <i>512002860-0016</i> <i>Small amount present under paint bubbles</i>		White/Beige Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-02-Mud <i>512002860-0016A</i>		White Non-Fibrous Homogeneous	2% Cellulose	50% Ca Carbonate 48% Non-fibrous (Other)	None Detected
EK-4-02-Tape <i>512002860-0016B</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-02-Joint Compound <i>512002860-0016C</i>		White Non-Fibrous Homogeneous	2% Cellulose	55% Ca Carbonate 43% Non-fibrous (Other)	None Detected
EK-4-02-Drywall <i>512002860-0016D</i>		Brown/Pink Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
EK-4-03-Texture <i>512002860-0017</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-03-Tape <i>512002860-0017A</i>		White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
EK-4-03-Joint Compound <i>512002860-0017B</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-03-Drywall <i>512002860-0017C</i>		Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
EK-4-04-Texture <i>512002860-0018</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-4-04-Wallpaper <i>512002860-0018A</i>		Tan/White Fibrous Homogeneous	60% Cellulose 20% Synthetic	20% Non-fibrous (Other)	None Detected
EK-4-04-Mastic <i>512002860-0018B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-4-04-Mud <i>512002860-0018C</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-4-04-Tape <i>512002860-0018D</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-04-Joint Compound <i>512002860-0018E</i>		White Non-Fibrous Homogeneous	3% Cellulose	55% Ca Carbonate 42% Non-fibrous (Other)	None Detected
EK-4-04-Drywall <i>512002860-0018F</i>		Brown/Pink Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
EK-4-05-Mastic <i>512002860-0019</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-4-05-Texture <i>512002860-0019A</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-4-05-Tape <i>512002860-0019B</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-05-Drywall <i>512002860-0019C</i>		Brown/Pink Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
EK-4-06-Texture <i>512002860-0020</i>		White Non-Fibrous Heterogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-4-06-Tape <i>512002860-0020A</i>		White Fibrous Homogeneous	95% Glass	5% Non-fibrous (Other)	None Detected
EK-4-06-Joint Compound <i>512002860-0020B</i>		White Non-Fibrous Homogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
<i>Non-fibrous percentage includes embedded metallic mesh.</i>					
EK-4-06-Drywall <i>512002860-0020C</i>		Brown Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
EK-4-07-Texture & Mastic <i>512002860-0021</i>		White/Beige Non-Fibrous Heterogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of underlying paint and mastic</i>					
EK-4-07-Mud <i>512002860-0021A</i>		White Non-Fibrous Homogeneous	2% Cellulose	50% Ca Carbonate 48% Non-fibrous (Other)	None Detected
EK-4-07-Tape <i>512002860-0021B</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-4-07-Joint Compound		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
<i>512002860-0021C</i>					
EK-4-07-Drywall		Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
<i>512002860-0021D</i>					
EK-4-08-Texture		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
<i>512002860-0022</i>					
EK-4-08-Wallpaper		White/Beige Fibrous Homogeneous	65% Cellulose 8% Synthetic	27% Non-fibrous (Other)	None Detected
<i>512002860-0022A</i>					
EK-4-08-Mastic		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0022B</i>					
EK-4-08-Mud		White Non-Fibrous Homogeneous	2% Cellulose	50% Ca Carbonate 48% Non-fibrous (Other)	None Detected
<i>512002860-0022C</i>					
EK-4-08-Drywall		Brown/White Fibrous Homogeneous	20% Cellulose 2% Glass	60% Gypsum 18% Non-fibrous (Other)	None Detected
<i>512002860-0022D</i>					
EK-4-09-Texture		White Non-Fibrous Homogeneous		10% Ca Carbonate 90% Non-fibrous (Other)	None Detected
<i>512002860-0023</i>					
<i>Inseparable paint / coating layer included in analysis</i>					
EK-4-09-Wallpaper		White Fibrous Homogeneous	30% Cellulose 40% Synthetic	30% Non-fibrous (Other)	None Detected
<i>512002860-0023A</i>					
EK-4-09-Mastic		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0023B</i>					
EK-4-09-Joint Compound		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
<i>512002860-0023C</i>					
EK-4-09-Tape		White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
<i>512002860-0023D</i>					
EK-4-09-Joint Compound		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
<i>512002860-0023E</i>					
EK-4-09-Tape		White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
<i>512002860-0023F</i>					
EK-4-09-Joint Compound		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
<i>512002860-0023G</i>					
EK-4-09-Drywall		Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
<i>512002860-0023H</i>					
EK-4-10-Texture		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
<i>512002860-0024</i>					

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			% Fibrous	% Non-Fibrous	% Type
EK-4-10-Wallpaper		White/Beige Fibrous Homogeneous	40% Cellulose 30% Synthetic	30% Non-fibrous (Other)	None Detected
512002860-0024A					
EK-4-10-Mastic		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
512002860-0024B					
EK-4-10-Mud		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
512002860-0024C					
EK-4-10-Drywall		Brown/White Fibrous Homogeneous	20% Cellulose	65% Gypsum 15% Non-fibrous (Other)	None Detected
512002860-0024D					
EK-4-11-Texture		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
512002860-0025					
EK-4-11-Wallpaper		White/Beige Fibrous Homogeneous	50% Cellulose 30% Synthetic	20% Non-fibrous (Other)	None Detected
512002860-0025A					
EK-4-11-Mastic		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
512002860-0025B					
EK-4-11-Mud		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
512002860-0025C					
EK-4-11-Tape		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
512002860-0025D					
EK-4-11-Joint Compound		White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
512002860-0025E					
EK-4-11-Drywall		Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
512002860-0025F					
EK-4-12-Texture		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
512002860-0026					
EK-4-12-Wallpaper		White Fibrous Homogeneous	30% Cellulose 40% Synthetic	30% Non-fibrous (Other)	None Detected
512002860-0026A					
EK-4-12-Mastic		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
512002860-0026B					
EK-4-12-Texture		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
512002860-0026C					
EK-4-12-Drywall		Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 3% Mica 17% Non-fibrous (Other)	None Detected
512002860-0026D					
EK-4-13-Wallpaper		White/Beige Fibrous Homogeneous	30% Cellulose 40% Synthetic	30% Non-fibrous (Other)	None Detected
512002860-0027					
EK-4-13-Mastic		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
512002860-0027A					
EK-4-13-Mud		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
512002860-0027B					

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			% Fibrous	% Non-Fibrous	% Type
EK-4-13-Tape <i>512002860-0027C</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-13-Joint Compound <i>512002860-0027D</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-13-Drywall <i>512002860-0027E</i>		Brown/White Fibrous Homogeneous	20% Cellulose 2% Glass	60% Gypsum 18% Non-fibrous (Other)	None Detected
EK-4-14-Texture <i>512002860-0028</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-4-14-Wallpaper <i>512002860-0028A</i>		White/Beige Fibrous Homogeneous	55% Cellulose 10% Synthetic	35% Non-fibrous (Other)	None Detected
EK-4-14-Mastic <i>512002860-0028B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-4-14-Mud <i>512002860-0028C</i>		White Non-Fibrous Homogeneous	3% Cellulose	40% Ca Carbonate 57% Non-fibrous (Other)	None Detected
EK-4-14-Tape <i>512002860-0028D</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-14-Joint Compound <i>512002860-0028E</i>		White Non-Fibrous Homogeneous	2% Cellulose	50% Ca Carbonate 48% Non-fibrous (Other)	None Detected
EK-4-14-Drywall <i>512002860-0028F</i>		Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
EK-4-15-Texture <i>512002860-0029</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-15-Wallpaper <i>512002860-0029A</i>		White Fibrous Homogeneous	30% Cellulose 40% Synthetic	30% Non-fibrous (Other)	None Detected
EK-4-15-Mud <i>512002860-0029B</i>		Beige Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-15-Drywall <i>512002860-0029C</i>		Brown/White Fibrous Homogeneous	20% Cellulose 2% Glass	55% Gypsum 3% Mica 20% Non-fibrous (Other)	None Detected
EK-4-15-Adhesive/Coating <i>512002860-0029D</i>		Brown/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>On wood fragment. Relationship to rest of wallboard system unclear.</i>					
EK-4-16-Texture & Mastic <i>512002860-0030</i>		White/Beige Non-Fibrous Heterogeneous		35% Ca Carbonate 65% Non-fibrous (Other)	None Detected
<i>Result includes a small amount of underlying paint and mastic</i>					
EK-4-16-Mud <i>512002860-0030A</i>		White Non-Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-4-16-Tape <i>512002860-0030B</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-16-Joint Compound <i>512002860-0030C</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-4-16-Drywall <i>512002860-0030D</i>		Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
EK-4-17-Texture & Mastic <i>512002860-0031</i> <i>Result includes a small amount of underlying paint and mastic</i>		White/Beige Non-Fibrous Heterogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
EK-4-17-Mud <i>512002860-0031A</i> <i>The sample group is not homogeneous</i>		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
EK-4-17-Tape <i>512002860-0031B</i>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-4-17-Joint Compound <i>512002860-0031C</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-4-17-Drywall <i>512002860-0031D</i>		Brown/White Fibrous Homogeneous	20% Cellulose 2% Glass	60% Gypsum 18% Non-fibrous (Other)	None Detected
EK-4-18-Texture <i>512002860-0032</i> <i>Inseparable paint / coating layer included in analysis</i>		White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
EK-4-18-Wallpaper <i>512002860-0032A</i>		White Fibrous Homogeneous	30% Cellulose 40% Synthetic	30% Non-fibrous (Other)	None Detected
EK-4-18-Mastic <i>512002860-0032B</i>		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-4-18-Mud <i>512002860-0032C</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-4-18-Drywall <i>512002860-0032D</i>		Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
EK-4-19-Texture <i>512002860-0033</i> <i>Thin layer</i>		White Non-Fibrous Homogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
EK-4-19-Wallpaper <i>512002860-0033A</i>		White/Beige Fibrous Homogeneous	55% Cellulose 20% Synthetic	25% Non-fibrous (Other)	None Detected
EK-4-19-Mastic <i>512002860-0033B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-4-19-Mud <i>512002860-0033C</i>		White Non-Fibrous Homogeneous	2% Cellulose	50% Ca Carbonate 48% Non-fibrous (Other)	<1% Chrysotile

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			% Fibrous	% Non-Fibrous	% Type
<i>The sample group is not homogeneous</i>					
EK-4-19-Tape		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
512002860-0033D					
		<i>Small piece</i>			
EK-4-19-Drywall		Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
512002860-0033E					
EK-4-20-Texture		White Non-Fibrous Homogeneous	<1% Fibrous (Other)	50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
512002860-0034					
EK-4-20-Tape		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
512002860-0034A					
EK-4-20-Joint Compound		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
512002860-0034B					
EK-4-20-Drywall		Brown/White Fibrous Homogeneous	25% Cellulose	60% Gypsum 15% Non-fibrous (Other)	None Detected
512002860-0034C					
EK-4-21-Texture		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
512002860-0035					
EK-4-21-Texture		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
512002860-0035A					
EK-4-21-Tape		White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
512002860-0035B					
EK-4-21-Joint Compound		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
512002860-0035C					
EK-4-21-Drywall		Brown/White Fibrous Homogeneous	20% Cellulose	60% Gypsum 20% Non-fibrous (Other)	None Detected
512002860-0035D					
EK-5-01-Texture		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
512002860-0036					
EK-5-01-Wallpaper		White/Beige Fibrous Homogeneous	50% Cellulose 10% Synthetic	40% Non-fibrous (Other)	None Detected
512002860-0036A					
EK-5-01-Mastic		White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
512002860-0036B					
		<i>Inseparable underlying paint layer included in analysis</i>			
EK-5-01-Mud		White Non-Fibrous Homogeneous	3% Cellulose	50% Ca Carbonate 47% Non-fibrous (Other)	None Detected
512002860-0036C					
EK-5-02-Texture & Mastic		White/Beige Non-Fibrous Heterogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
512002860-0037					
		<i>Inseparable underlying paint and mastic included in analysis</i>			
EK-5-02-Mud		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
512002860-0037A					

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			% Fibrous	% Non-Fibrous	% Type
EK-5-03-Texture <i>512002860-0038</i> <i>Analysis includes attached brown paper backing.</i>		Brown/White Fibrous Homogeneous	20% Cellulose	45% Ca Carbonate 35% Non-fibrous (Other)	None Detected
EK-5-03-Mastic <i>512002860-0038A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-5-04-Texture <i>512002860-0039</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-04-Wallpaper <i>512002860-0039A</i>		White/Beige Fibrous Homogeneous	50% Cellulose 15% Synthetic	35% Non-fibrous (Other)	None Detected
EK-5-04-Mastic <i>512002860-0039B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-5-04-Mud <i>512002860-0039C</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-05-Texture & Mastic <i>512002860-0040</i> <i>Inseparable underlying paint and mastic layers included in analysis</i>		White/Beige Non-Fibrous Heterogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
EK-5-05-Mud <i>512002860-0040A</i> <i>The sample group is not homogeneous</i>		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
EK-5-06-Texture & Mastic <i>512002860-0041</i> <i>Inseparable underlying paint and mastic layers included in analysis</i>		White/Beige Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
EK-5-06-Mud <i>512002860-0041A</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-07-Texture & Mastic <i>512002860-0042</i> <i>Inseparable underlying paint and mastic layers included in analysis</i>		White/Beige Non-Fibrous Heterogeneous	<1% Wollastonite	40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
EK-5-07-Mud <i>512002860-0042A</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-08-Texture <i>512002860-0043</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-5-08-Wallpaper <i>512002860-0043A</i>		White/Beige Fibrous Homogeneous	55% Cellulose 15% Synthetic	30% Non-fibrous (Other)	None Detected
EK-5-08-Mastic <i>512002860-0043B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-5-08-Mud <i>512002860-0043C</i>		White Non-Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
EK-5-09-Texture		White Non-Fibrous Homogeneous		20% Ca Carbonate 80% Non-fibrous (Other)	None Detected
<i>512002860-0044 Inseparable paint / coating layer included in analysis</i>					
EK-5-09-Wallpaper		White Fibrous Homogeneous	30% Cellulose 40% Synthetic	30% Non-fibrous (Other)	None Detected
<i>512002860-0044A</i>					
EK-5-09-Mastic		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0044B</i>					
EK-5-09-Mud		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<% Chrysotile
<i>512002860-0044C Thin layer; this sample group is not homogenous.</i>					
EK-5-09-Tape		White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
<i>512002860-0044D</i>					
EK-5-09-Mud		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
<i>512002860-0044E</i>					
EK-5-10-Texture		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
<i>512002860-0045</i>					
EK-5-10-Wallpaper		White/Beige Fibrous Homogeneous	55% Cellulose 15% Synthetic	30% Non-fibrous (Other)	None Detected
<i>512002860-0045A</i>					
EK-5-10-Mastic		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0045B</i>					
EK-5-10-Mud		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
<i>512002860-0045C</i>					
EK-5-11-Texture		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
<i>512002860-0046</i>					
EK-5-11-Wallpaper		White/Beige Fibrous Homogeneous	45% Cellulose 25% Synthetic	30% Non-fibrous (Other)	None Detected
<i>512002860-0046A</i>					
EK-5-11-Mastic		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0046B</i>					
EK-5-11-Mud		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
<i>512002860-0046C</i>					
EK-5-12-Texture		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
<i>512002860-0047</i>					
EK-5-12-Wallpaper		Beige Fibrous Homogeneous	30% Cellulose 40% Synthetic	30% Non-fibrous (Other)	None Detected
<i>512002860-0047A</i>					
EK-5-12-Mastic		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0047B</i>					
EK-5-12-Mud		White Non-Fibrous Homogeneous	10% Cellulose	55% Ca Carbonate 35% Non-fibrous (Other)	None Detected
<i>512002860-0047C</i>					

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-5-13-Texture <i>512002860-0048</i>		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
EK-5-13-Wallpaper <i>512002860-0048A</i>		White/Beige Fibrous Homogeneous	55% Cellulose 25% Synthetic	20% Non-fibrous (Other)	None Detected
EK-5-14-Texture <i>512002860-0049</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-14-Wallpaper <i>512002860-0049A</i>		White/Beige Fibrous Homogeneous	50% Cellulose 20% Synthetic	30% Non-fibrous (Other)	None Detected
EK-5-14-Mastic <i>512002860-0049B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-5-14-Mud <i>512002860-0049C</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-5-15-Texture <i>512002860-0050</i> <i>Inseparable paint / coating layer included in analysis</i>		White Non-Fibrous Homogeneous		25% Ca Carbonate 75% Non-fibrous (Other)	None Detected
EK-5-15-Wallpaper <i>512002860-0050A</i>		White Fibrous Homogeneous	20% Synthetic	80% Non-fibrous (Other)	None Detected
EK-5-16-Texture <i>512002860-0051</i>		White Non-Fibrous Homogeneous		45% Ca Carbonate 55% Non-fibrous (Other)	None Detected
EK-5-16-Wallpaper <i>512002860-0051A</i>		White/Beige Fibrous Homogeneous	45% Cellulose 25% Synthetic	30% Non-fibrous (Other)	None Detected
EK-5-16-Mastic <i>512002860-0051B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-5-16-Mud <i>512002860-0051C</i>		White Non-Fibrous Homogeneous	2% Cellulose	50% Ca Carbonate 48% Non-fibrous (Other)	None Detected
EK-5-17-Texture <i>512002860-0052</i>		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
EK-5-17-Wallpaper <i>512002860-0052A</i>		White/Beige Fibrous Homogeneous	45% Cellulose 30% Synthetic	25% Non-fibrous (Other)	None Detected
EK-5-17-Mastic <i>512002860-0052B</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-5-17-Mud <i>512002860-0052C</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-18-Wallpaper <i>512002860-0053</i>		White Fibrous Homogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected
EK-5-18-Mastic <i>512002860-0053A</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
EK-5-18-Mud <small>512002860-0053B</small> <i>The sample group is not homogeneous</i>		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
EK-5-19-Texture <small>512002860-0054</small>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-19-Wallpaper <small>512002860-0054A</small>		White/Beige Fibrous Homogeneous	40% Cellulose 30% Synthetic	30% Non-fibrous (Other)	None Detected
EK-5-20-Texture <small>512002860-0055</small>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-5-20-Tape <small>512002860-0055A</small>		White Fibrous Homogeneous	97% Cellulose	3% Non-fibrous (Other)	None Detected
EK-5-20-Joint Compound <small>512002860-0055B</small> <i>Small amount present</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-21-Texture <small>512002860-0056</small>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-5-21-Tape <small>512002860-0056A</small>		White Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
EK-5-21-Joint Compound <small>512002860-0056B</small>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-6-01 <small>512002860-0057</small>		White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
EK-6-02 <small>512002860-0058</small> <i>The sample group is not homogeneous</i>		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	None Detected
EK-6-03 <small>512002860-0059</small>		White Non-Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
EK-6-04 <small>512002860-0060</small>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-05 <small>512002860-0061</small>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-06 <small>512002860-0062</small>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-07 <small>512002860-0063</small>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-08 <small>512002860-0064</small>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-6-09 <i>512002860-0065</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-10 <i>512002860-0066</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-11 <i>512002860-0067</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-12 <i>512002860-0068</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-13 <i>512002860-0069</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-14 <i>512002860-0070</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-15 <i>512002860-0071</i> <i>The sample group is not homogeneous</i>		White Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
EK-6-16 <i>512002860-0072</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-17 <i>512002860-0073</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-18 <i>512002860-0074</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-19 <i>512002860-0075</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-6-20 <i>512002860-0076</i>		White Non-Fibrous Homogeneous	<1% Cellulose	95% Non-fibrous (Other)	5% Chrysotile
EK-6-21 <i>512002860-0077</i>		White Non-Fibrous Homogeneous		95% Non-fibrous (Other)	5% Chrysotile
EK-7-01-Cove Base <i>512002860-0078</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-7-01-Mastic <i>512002860-0078A</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-7-02-Cove Base <i>512002860-0079</i>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-7-02-Mastic <i>512002860-0079A</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-7-03-Cove Base <i>512002860-0080</i>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-7-03-Mastic <i>512002860-0080A</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-8-01-Ceramic Tile <i>512002860-0081</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-8-01-Grout <i>512002860-0081A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-8-01-Mastic <i>512002860-0081B</i>		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-8-01-Mud <i>512002860-0081C</i>		White Non-Fibrous Homogeneous		40% Ca Carbonate 60% Non-fibrous (Other)	<1% Chrysotile
EK-8-02-Ceramic Tile <i>512002860-0082</i>		White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-8-02-Grout <i>512002860-0082A</i> <i>Inseparable paint / coating layer included in analysis</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-8-02-Mastic <i>512002860-0082B</i>		Yellow Non-Fibrous Homogeneous	5% Wollastonite 2% Fibrous (Other)	93% Non-fibrous (Other)	None Detected
EK-8-02-Mud <i>512002860-0082C</i> <i>The sample group is not homogeneous</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-8-03-Ceramic Tile <i>512002860-0083</i>		White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-8-03-Grout <i>512002860-0083A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-9-02-Ceramic Tile <i>512002860-0084</i>		Tan/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-9-02-Grout <i>512002860-0084A</i>		Brown/Red Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
EK-9-02-Mortar <i>512002860-0084B</i>		Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
EK-9-03-Ceramic <i>512002860-0085</i>		White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-9-03-Mortar <i>512002860-0085A</i>		Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
EK-9-04-Ceramic Tile <i>512002860-0086</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-9-04-Grout <i>512002860-0086A</i>		Gray Non-Fibrous Homogeneous	<1% Glass	2% Quartz 98% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
EK-9-04-Mortar <i>512002860-0086B</i>		Beige Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
EK-10-01 <i>512002860-0087</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-10-02-Mastic <i>512002860-0088</i>		White Non-Fibrous Homogeneous	3% Wollastonite	97% Non-fibrous (Other)	None Detected
EK-10-02-Mud <i>512002860-0088A</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-10-02-Joint Tape <i>512002860-0088B</i>		Beige Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
EK-10-03 <i>512002860-0089</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-11-01 <i>512002860-0090</i> <i>Analysis includes inseperable mastic and leveler.</i>		Brown/Tan Fibrous Homogeneous	7% Cellulose	63% Non-fibrous (Other)	30% Chrysotile
EK-11-02 <i>512002860-0091</i> <i>Analysis includes thin inseperable tan mastic.</i>		Brown/Tan Fibrous Homogeneous	7% Cellulose	63% Non-fibrous (Other)	30% Chrysotile
EK-11-03 <i>512002860-0092</i> <i>Analysis includes thin inseperable tan mastic.</i>		Gray/Tan Fibrous Homogeneous	5% Cellulose	65% Non-fibrous (Other)	30% Chrysotile
EK-12-01-Ceramic <i>512002860-0093</i>		White Non-Fibrous Homogeneous		3% Quartz 97% Non-fibrous (Other)	None Detected
EK-12-01-Grout <i>512002860-0093A</i>		White Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
EK-12-02-Ceramic Tile <i>512002860-0094</i>		Brown Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-12-02-Grout <i>512002860-0094A</i>		Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-13-01 <i>512002860-0095</i>		Brown Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-13-02 <i>512002860-0096</i>		Brown Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-13-03 <i>512002860-0097</i> <i>Very small amounts of white and brown materials</i>		Brown/White Non-Fibrous Heterogeneous		2% Quartz 50% Ca Carbonate 48% Non-fibrous (Other)	None Detected
EK-14-01 <i>512002860-0098</i>		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected

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			% Fibrous	% Non-Fibrous	% Type
EK-16-01-Vinyl Floor Tile		Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0099</i>					
EK-16-01-Mastic & Debris		Gray/Clear Fibrous Homogeneous	20% Cellulose 2% Synthetic	78% Non-fibrous (Other)	None Detected
<i>512002860-0099A</i>					
EK-16-02-Vinyl Floor Tile		Gray/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0100</i>					
EK-16-02-Mastic		Clear Non-Fibrous Homogeneous	<1% Cellulose	100% Non-fibrous (Other)	None Detected
<i>512002860-0100A</i>					
EK-16-02-Coating		Black Non-Fibrous Homogeneous		40% Quartz 60% Non-fibrous (Other)	None Detected
<i>512002860-0100B</i>					
EK-16-02-Mastic		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0100C</i>					
EK-16-02-Vinyl Sheet Flooring		Brown/Gray Fibrous Homogeneous		85% Non-fibrous (Other)	15% Chrysotile
<i>512002860-0100D</i>					
<i>Top portion of vinyl sheet flooring only, no backing included</i>					
<i>Sample has residual chrysotile bundles from fibrous backing</i>					
EK-17-01-Cove Base		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0101</i>					
EK-17-01-Mastic		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0101A</i>					
EK-17-02-Cove Base		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0102</i>					
EK-17-02-Mastic		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0102A</i>					
EK-18-01-Laminate		Brown Fibrous Homogeneous	70% Cellulose	30% Non-fibrous (Other)	None Detected
<i>512002860-0103</i>					
EK-18-01-Mastic		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0103A</i>					
EK-18-01-Mud		Beige Non-Fibrous Homogeneous	3% Cellulose	55% Ca Carbonate 42% Non-fibrous (Other)	None Detected
<i>512002860-0103B</i>					
EK-19-01		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0104</i>					
EK-19-02		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
<i>512002860-0105</i>					
EK-20-01-Texture		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
<i>512002860-0106</i>					

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			% Fibrous	% Non-Fibrous	% Type
EK-20-01-Mud <i>512002860-0106A</i>		Beige Fibrous Homogeneous		97% Non-fibrous (Other)	3% Chrysotile
EK-20-02 <i>512002860-0107</i> <i>Same material as "texture" layer in sample EK-20-01.</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-20-03 <i>512002860-0108</i>		White Non-Fibrous Homogeneous	2% Cellulose	40% Ca Carbonate 58% Non-fibrous (Other)	None Detected
EK-20-05 <i>512002860-0109</i>		White Non-Fibrous Homogeneous	3% Cellulose	50% Ca Carbonate 47% Non-fibrous (Other)	None Detected
EK-20-06-Texture <i>512002860-0110</i>		White Non-Fibrous Homogeneous		60% Ca Carbonate 40% Non-fibrous (Other)	None Detected
EK-20-06-Wallpaper <i>512002860-0110A</i>		Beige Fibrous Homogeneous	30% Synthetic	70% Non-fibrous (Other)	None Detected
EK-20-06-Mastic <i>512002860-0110B</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-20-06-Mud <i>512002860-0110C</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	<1% Chrysotile
EK-20-07-Texture & Mastic <i>512002860-0111</i> <i>Inseparable underlying paint and mastic layers included in analysis</i>		White/Beige Non-Fibrous Heterogeneous		30% Ca Carbonate 70% Non-fibrous (Other)	None Detected
EK-20-07-Mud <i>512002860-0111A</i> <i>The sample group is not homogeneous</i>		White Non-Fibrous Homogeneous	2% Cellulose	50% Ca Carbonate 48% Non-fibrous (Other)	None Detected
EK-20-08-Mastic & Texture 1 <i>512002860-0112</i> <i>Analysis includes inseparable mastic and texture.</i>		Tan/White Non-Fibrous Heterogeneous		100% Non-fibrous (Other)	None Detected
EK-20-08-Texture 2 <i>512002860-0112A</i>		White Non-Fibrous Homogeneous		50% Ca Carbonate 50% Non-fibrous (Other)	None Detected
EK-21-01-Stone <i>512002860-0113</i> <i>Marble.</i>		White Non-Fibrous Homogeneous		98% Ca Carbonate 2% Non-fibrous (Other)	None Detected
EK-21-01-Mortar <i>512002860-0113A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-22-01-Ceramic <i>512002860-0114</i>		White/Red Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-22-01-Mastic <i>512002860-0114A</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-22-01-Grout <i>512002860-0114B</i>		White Non-Fibrous Homogeneous	<1% Wollastonite	100% Non-fibrous (Other)	None Detected

Initial report from: 11/13/2020 11:47:34



EMSL Analytical, Inc.

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Tel/Fax: (206) 269-6310 / (206) 900-8789

<http://www.emsl.com> / seattlelab@emsl.com

EMSL Order: 512002860
Customer ID: TCWA25
Customer PO: 81207486
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-23-01-Wallpaper <i>512002860-0115</i>		Tan Fibrous Homogeneous	60% Cellulose 20% Synthetic	20% Non-fibrous (Other)	None Detected
EK-23-01-Mastic <i>512002860-0115A</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-23-01-Mud <i>512002860-0115B</i>		White Non-Fibrous Homogeneous		55% Ca Carbonate 45% Non-fibrous (Other)	None Detected
EK-23-02-Wallpaper <i>512002860-0116</i>		White Fibrous Homogeneous	20% Cellulose 65% Synthetic	15% Non-fibrous (Other)	None Detected
EK-23-02-Mastic <i>512002860-0116A</i> <i>Result includes a small amount of inseparable attached paint and mud</i>		White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-24-01 <i>512002860-0117</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-24-02 <i>512002860-0118</i>		Black Non-Fibrous Homogeneous	5% Synthetic	95% Non-fibrous (Other)	None Detected
EK-25-01 <i>512002860-0119</i>		White/Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-28-01 <i>512002860-0120</i> <i>Analysis includes inseparable black and purple plastic material.</i>		Black/Purple Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-29-01 <i>512002860-0121</i> <i>Analysis includes mastic and fibrous insulation that is attached to metal foil.</i>		Silver/Yellow Fibrous Homogeneous	80% Cellulose 10% Synthetic	10% Non-fibrous (Other)	None Detected
EK-30-01 <i>512002860-0122</i>		Brown Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
EK-30-02-Brick <i>512002860-0123</i>		Brown Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
EK-30-02-Mortar <i>512002860-0123A</i>		Pink Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
EK-30-03-Brick <i>512002860-0124</i>		Brown Non-Fibrous Homogeneous		5% Quartz 95% Non-fibrous (Other)	None Detected
EK-30-03-Mortar <i>512002860-0124A</i>		Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
EK-31-01-Ceramic <i>512002860-0125</i>		White Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected
EK-31-01-Grout <i>512002860-0125A</i>		White Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
EK-32-01 <i>512002860-0126</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 512002860
Customer ID: TCWA25
Customer PO: 81207486
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-33-01-Mastic 1 <i>512002860-0127</i>		Yellow Non-Fibrous Homogeneous	10% Cellulose	90% Non-fibrous (Other)	None Detected
EK-33-01-Mastic 2 <i>512002860-0127A</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-33-02-Mastic 1 <i>512002860-0128</i>		Yellow Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-33-02-Mastic 2 <i>512002860-0128A</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-34-01-Vinyl Floor Tile <i>512002860-0129</i>		Brown/Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-34-01-Mastic 1 <i>512002860-0129A</i>		Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-34-01-Mastic 2 <i>512002860-0129B</i> <i>Analysis includes residual leveler.</i>		Gray/Tan Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
EK-34-02-Vinyl Floor Tile <i>512002860-0130</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-34-02-Mastic <i>512002860-0130A</i>		Gray/Yellow Non-Fibrous Homogeneous	2% Cellulose	98% Non-fibrous (Other)	None Detected
EK-35-01 <i>512002860-0131</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-35-02 <i>512002860-0132</i>		Gray/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-36-01-Ceramic <i>512002860-0133</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-36-01-Grout <i>512002860-0133A</i>		Beige Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
EK-36-01-Mortar <i>512002860-0133B</i>		White Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
EK-37-01 <i>512002860-0134</i>		Tan/Green Fibrous Homogeneous	70% Synthetic	30% Non-fibrous (Other)	None Detected
EK-38-01-Vinyl Floor Tile <i>512002860-0135</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-38-01-Mastic <i>512002860-0135A</i>		Yellow/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-39-01-Ceramic <i>512002860-0136</i>		Gray/White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected

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EMSL Order: 512002860

Customer ID: TCWA25

Customer PO: 81207486

Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-39-01-Mortar/Grout <i>512002860-0136A</i>		White Non-Fibrous Homogeneous		20% Quartz 80% Non-fibrous (Other)	None Detected
EK-39-01-Fibrous Mat <i>512002860-0136B</i> <i>Thin fibrous mat attached to underside of grout & ceramic tile chunk.</i>		Gray Fibrous Homogeneous		70% Non-fibrous (Other)	30% Chrysotile
EK-39-02-Ceramic Tile <i>512002860-0137</i>		Gray Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-39-02-Grout <i>512002860-0137A</i>		Gray Non-Fibrous Homogeneous		15% Quartz 85% Non-fibrous (Other)	None Detected
EK-39-02-Mortar <i>512002860-0137B</i>		White Non-Fibrous Homogeneous	3% Cellulose	10% Quartz 87% Non-fibrous (Other)	None Detected
EK-40-01-Mastic <i>512002860-0138</i> <i>Analysis includes attached fibers.</i>		Beige Fibrous Homogeneous	5% Glass	95% Non-fibrous (Other)	None Detected
EK-40-01-Foam Pad <i>512002860-0138A</i> <i>Analysis includes inseperable yellow mastic.</i>		Black/Yellow Fibrous Homogeneous	3% Synthetic	97% Non-fibrous (Other)	None Detected
EK-41-01 <i>512002860-0139</i>		White Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-42-01-Mastic 1 <i>512002860-0140</i>		Tan Non-Fibrous Homogeneous	2% Synthetic	98% Non-fibrous (Other)	None Detected
EK-42-01-Foam Pad <i>512002860-0140A</i>		Black Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-42-01-Mastic 2 & Leveler <i>512002860-0140B</i>		Tan/Beige Non-Fibrous Heterogeneous	<1% Cellulose 2% Synthetic	<1% Quartz 98% Non-fibrous (Other)	None Detected
EK-43-01 <i>512002860-0141</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-46-01 <i>512002860-0142</i>		White/Beige Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-47-01-Mastic 1 <i>512002860-0143</i>		Tan Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-47-01-Fiber Board <i>512002860-0143A</i>		Tan Fibrous Homogeneous	98% Cellulose	2% Non-fibrous (Other)	None Detected
EK-47-01-Mastic 2 <i>512002860-0143B</i>		Yellow/Clear Non-Fibrous Homogeneous		100% Non-fibrous (Other)	None Detected
EK-14-02-Plaster <i>512002860-0144</i>		Gray Non-Fibrous Homogeneous		10% Quartz 90% Non-fibrous (Other)	None Detected

Initial report from: 11/13/2020 11:47:34



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EMSL Order: 512002860
Customer ID: TCWA25
Customer PO: 81207486
Project ID:

Test Report: Asbestos Analysis of Bulk Materials via EPA 600/R-93/116 Method using Polarized Light Microscopy

Sample	Description	Appearance	Non-Asbestos		Asbestos
			% Fibrous	% Non-Fibrous	% Type
EK-14-02-Tar Paper		Brown Fibrous Homogeneous	80% Cellulose	20% Non-fibrous (Other)	None Detected
512002860-0144A					

Analyst(s) _____

- Claudiu Nistor (78)
- Ehrin Stephens (204)
- Rudy Baum (81)

Rudy Baum, Interim Laboratory Manager
or Other Approved Signatory

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Samples analyzed by EMSL Analytical, Inc. Seattle, WA NVLAP Lab Code 200613, CA 2733, WA C1025

Initial report from: 11/13/2020 11:47:34



Appendix B Lead Laboratory Analytical Results



EMSL Analytical, Inc

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Phone/Fax: (510) 895-3675 / (510) 895-3680

<http://www.EMSL.com>

sanleandrolab@emsl.com

EMSL Order:	092019363
CustomerID:	TCWA25
CustomerPO:	81207486
ProjectID:	

Attn: **Peter Snider**
Terracon Consultants, Inc.
21905 64th Ave. W.
Suite 100
Mountlake Terrace, WA 98043

Phone: (425) 771-3304
 Fax: (425) 771-3549
 Received: 11/6/2020 09:00 AM
 Collected:

Project: **81207486**

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

<i>Client Sample Description</i>	<i>Lab ID</i>	<i>Collected</i>	<i>Analyzed</i>	<i>Weight</i>	<i>Lead Concentration</i>
EK-PB1-01	092019363-0001		11/12/2020	0.2219 g	<90 ppm
EK-PB1-02	092019363-0002		11/12/2020	0.2535 g	<80 ppm
EK-PB1-03	092019363-0003		11/12/2020	0.263 g	<80 ppm
EK-PB2-01	092019363-0004		11/12/2020	0.2237 g	<89 ppm
EK-PB2-02	092019363-0005		11/12/2020	0.2897 g	<80 ppm
EK-PB3-01	092019363-0006		11/12/2020	0.1779 g	<110 ppm
EK-PB3-02	092019363-0007		11/12/2020	0.2588 g	<80 ppm
EK-PB4-01	092019363-0008		11/12/2020	0.2515 g	<80 ppm
EK-PB5-01	092019363-0009		11/12/2020	0.2629 g	<80 ppm
EK-PB5-02	092019363-0010		11/12/2020	0.2628 g	<80 ppm
EK-PB6-01	092019363-0011		11/12/2020	0.266 g	<80 ppm
EK-PB7-01	092019363-0012		11/12/2020	0.271 g	<80 ppm
EK-PB8-01	092019363-0013		11/12/2020	0.2606 g	<80 ppm
EK-PB9-01	092019363-0014		11/12/2020	0.195 g	110 ppm
EK-PB9-02	092019363-0015		11/12/2020	0.2624 g	<80 ppm
EK-PB10-01	092019363-0016		11/12/2020	0.257 g	<80 ppm
EK-PB10-02	092019363-0017		11/12/2020	0.2559 g	<80 ppm
EK-PB11-01	092019363-0018		11/12/2020	0.2623 g	<80 ppm
EK-PB12-01	092019363-0019		11/12/2020	0.2795 g	<80 ppm
EK-PB13-01	092019363-0020		11/12/2020	0.2696 g	<80 ppm
EK-PB13-02	092019363-0021		11/12/2020	0.2594 g	<80 ppm
EK-PB14-01	092019363-0022		11/12/2020	0.262 g	<80 ppm
EK-PB15-01	092019363-0023		11/12/2020	0.2735 g	<80 ppm
EK-PB16-01	092019363-0024		11/12/2020	0.1618 g	630 ppm
EK-PB17-01	092019363-0025		11/12/2020	0.2665 g	<80 ppm
EK-PB18-01	092019363-0026		11/12/2020	0.2617 g	<80 ppm
EK-PB19-01	092019363-0027		11/12/2020	0.1175 g	<170 ppm

Julian Neagu, Lead Laboratory Manager
or other approved signatory

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Analysis following Lead in Paint by EMSL SOP/Determination of Environmental Lead by FLAA. Reporting limit is 0.008% wt based on the minimum sample weight per our SOP. "<" (less than) result signifies the analyte was not detected at or above the reporting limit. Measurement of uncertainty is available upon request. Definitions of modifications are available upon request.

Samples analyzed by EMSL Analytical, Inc San Leandro, CA A2LA Accredited Environmental Testing Cert #2845.09

Initial report from 11/12/2020 17:10:50



Appendix C PCB Caulking Laboratory Analytical Results

Case Narrative:

The following summarizes samples received on date as shown on the accompanied Chain of custody by NVL Laboratories, Inc. from Terracon for Project Number: 81207486. Samples were logged in for PCB analysis per client request using both customer sample ID's and laboratory assigned ID's as listed on the Chain-of-Custody (CoC). All samples as received were processed and analyzed within specified turnaround time without any abnormalities and deviations that may affect the analytical results. All quality control requirements were acceptable unless stated otherwise. The conditions of all samples were acceptable at time of receipt and all samples submitted with this batch were analyzed unless stated otherwise on the CoC.

Test Results are reported based on dry weight in milligrams per kilograms (mg/kg) for PCB samples as shown on the analytical reports.



Definition Appendix

Terms

% Rec	Percent recovery.
<	Below Reporting Limit(RL) or Limit of Quantitation(LoQ) of the instrument.
B	Blank contamination. The recorded results is associated with a contaminated blank.
DF	Dilution Factor
J	The reported concentration is an estimated value because something may be present in the sample that interfered with the analysis.
J1	The reported concentration is an estimated value because the laboratory control sample (LCS) is out of control limits.
J2	The reported concentration is an estimated value because the percent recovery for matrix spike is out of control limits.
J3	The reported concentration is an estimated value because the relative percent difference(RPD) for duplicate analysis is out of control limits.
J4	Percent recovery is outside of established control limits.
LCS	Laboratory Control Sample.
LFS	Laboratory Fortified Spike
Limits	The upper and lower control limits for spike recoveries.
LN	Quality control sample is outside of control limits. This analyte was not detected in the sample.
LOQ	Limit of quantitation(same as RL)
mg/kg	Milligrams per kilogram.
ND	Analyte not detected or below the reporting limit of the instrument or methodology



Definition Appendix

Terms

PPM	Parts per Million.
QC Batch Group	Quality Control Batch Group. The entity that links analytical results and supporting quality control results.
R	The data are not reliable due to possible contamination or loss of material during preparation or analysis. Re-sampling and reanalysis are necessary for verification.
RL	Reporting Limit. The minimum concentration that can be quantified under routine operating conditions.
RPD	Relative Percent Difference. The relative difference between duplicate results(matrix spike, blank spike, or samples duplicate) expressed as a percentage.
RPD Limit	The maximum RPD allowed for a set of duplicate measurements(see RPD).
SMI	Surrogate has matrix interference.
Spike Conc.	The measured concentration, in sample basis units, of a spiked sample.
SURR-ND	Surrogate was not detected due to matrix interference or dilution.
ug/m3	Micrograms per cubic meter.
ug/mL	Micrograms per milliliter
mg/Kg	milligram per kilogram

ANALYSIS REPORT



Polychlorinated Biphenyls by Gas Chromatography

Client	Terracon	Samples Received*	3
SDG Number	2018380.00	Analyzed By	Aaron Brown
Date Reported	11/11/2020	Samples Analyzed*	3
Project Number	81207486	Analysis Method	8082A
Location	Kent Econolodge	Preparation Method	3546PR (PCB)

* for this test only

Sample Number	EK-PCB1-01	Received	11/04/2020
Lab Sample ID	20116035	Matrix	Material
Initial Sample Size	1.6663 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	1.2	< 1.2	11/09/2020
Aroclor-1221	1.2	< 1.2	11/09/2020
Aroclor-1232	1.2	< 1.2	11/09/2020
Aroclor-1242	1.2	< 1.2	11/09/2020
Aroclor-1248	1.2	< 1.2	11/09/2020
Aroclor-1254	1.2	< 1.2	11/09/2020
Aroclor-1260	1.2	< 1.2	11/09/2020
PCBs, Total	1.2	<1.2	

Sample Number	EK-PCB2-01	Received	11/04/2020
Lab Sample ID	20116036	Matrix	Material
Initial Sample Size	2.1425 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	0.93	< 0.93	11/09/2020
Aroclor-1221	0.93	< 0.93	11/09/2020
Aroclor-1232	0.93	< 0.93	11/09/2020
Aroclor-1242	0.93	< 0.93	11/09/2020
Aroclor-1248	0.93	< 0.93	11/09/2020
Aroclor-1254	0.93	< 0.93	11/09/2020
Aroclor-1260	0.93	< 0.93	11/09/2020
PCBs, Total	0.93	<0.93	



ANALYSIS REPORT

Polychlorinated Biphenyls by Gas Chromatography

Sample Number	EK-PCB3-01	Received	11/04/2020
Lab Sample ID	20116037	Matrix	Material
Initial Sample Size	0.8655 gm	Units of Result	mg/Kg, as received

Analyte	RL	Final Result	Analysis Date
Aroclor-1016	2.3	< 2.3	11/09/2020
Aroclor-1221	2.3	< 2.3	11/09/2020
Aroclor-1232	2.3	< 2.3	11/09/2020
Aroclor-1242	2.3	< 2.3	11/09/2020
Aroclor-1248	2.3	< 2.3	11/09/2020
Aroclor-1254	2.3	< 2.3	11/09/2020
Aroclor-1260	2.3	< 2.3	11/09/2020
PCBs, Total	2.3	<2.3	

Comments: Reporting limit raised due to small sample size

Quality Control Results

Project Number:	81207486	SDG Number:	2018380
		Project Manager:	Peter Snider
QC Batch(es):	Q1288	Analysis Method:	8082A
QC Batch Method:	3546PR (PCB)	Analysis Description:	Polychlorinated Biphenyls by Gas Chromatography
Preparation Date:	11/06/2020		
Blank: MBLK-2018380			

Analyte	Blank Result	Units	DF	RL	Control Limit	Qualifiers
Aroclor-1016	ND	mg/Kg	1	1.0	1	
Aroclor-1221	ND	mg/Kg	1	1.0	1	
Aroclor-1232	ND	mg/Kg	1	1.0	1	
Aroclor-1242	ND	mg/Kg	1	1.0	1	
Aroclor-1248	ND	mg/Kg	1	1.0	1	
Aroclor-1254	ND	mg/Kg	1	1.0	1	
Aroclor-1260	ND	mg/Kg	1	1.0	1	
Aroclor-1262	ND	mg/Kg	1	1.0	1	
Aroclor-1268	ND	mg/Kg	1	1.0	1	
PCBs, Total	ND	mg/Kg	1	1.0	1	
<i>Surrogates:</i>				<i>% Rec</i>		
Tetrachloro-m-xylene			1		81	40-140
Decachlorobiphenyl			1		98	40-140

Lab Control Sample: LCS-1254-2018380

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	% Rec Limits	Qualifiers
Aroclor-1254	20.1	mg/Kg	1	20.0	100	40-140	
<i>Surrogates:</i>							
Tetrachloro-m-xylene			1		78	40-140	
Decachlorobiphenyl			1		98	40-140	

Lab Control Sample: LCS-1016-1260-2018380

Lab Control Sample Duplicate: LCSD-1016-1260-2018380

Analyte	Blank Spike Result	Units	DF	Spike Conc.	% Rec	Limits	RPD	RPD Limit	Qualifiers
Aroclor-1016	17.1	mg/Kg	1	20.0	85	40-140			
	17.4			20.0	87	40-140	2	50	
Aroclor-1260	17.9	mg/Kg	1	20.0	89	40-140			
	18.9			20.0	94	40-140	5	50	
<i>Surrogates:</i>									
Tetrachloro-m-xylene			1		93	40-140			
					95	40-140			
Decachlorobiphenyl			1		90	40-140			
					96	40-140			



Surrogate Recovery Summary Report

Client <u>Terracon</u>		SDG Number <u>2018380</u>		
Project <u>81207486</u>				
Customer Sample ID	Lab Sample ID	Analyte	Recovery	Limits
EK-PCB1-01	20116035	Decachlorobiphenyl	107%	40-140
EK-PCB1-01	20116035	Tetrachloro-m-xylene	90%	40-140
EK-PCB2-01	20116036	Decachlorobiphenyl	66%	40-140
EK-PCB2-01	20116036	Tetrachloro-m-xylene	72%	40-140
EK-PCB3-01	20116037	Decachlorobiphenyl	92%	40-140
EK-PCB3-01	20116037	Tetrachloro-m-xylene	95%	40-140
LCS-1016-1260-2018380	LCS-1016-1260-2018380	Decachlorobiphenyl	90%	40-140
LCS-1016-1260-2018380	LCS-1016-1260-2018380	Tetrachloro-m-xylene	93%	40-140
LCS-1254-2018380	LCS-1254-2018380	Decachlorobiphenyl	98%	40-140
LCS-1254-2018380	LCS-1254-2018380	Tetrachloro-m-xylene	78%	40-140
LCSD-1016-1260-2018380	LCSD-1016-1260-2018380	Decachlorobiphenyl	96%	40-140
LCSD-1016-1260-2018380	LCSD-1016-1260-2018380	Tetrachloro-m-xylene	95%	40-140
MBLK-2018380	MBLK-2018380	Decachlorobiphenyl	98%	40-140
MBLK-2018380	MBLK-2018380	Tetrachloro-m-xylene	81%	40-140

* Recovery outside limits



INITIAL AND CONTINUING CALIBRATION VERIFICATION

SDG No: **2018380**

Contract:

Determination: **8082 PCB Aroclors <Material>**

Run	Sample	Source	Analyzed	Analyte	True	Found	Unit	% Rec	Limits
R001281	CCV1- 1016 -1260	PCB_2019-1-2	11/09/2020	Aroclor-1016	5	5	ug/mL	100	80-120
		PCB_2019-1-2	11/09/2020	Aroclor-1260	5	5	ug/mL	100	80-120
	CCV1- 1254	PCB_2019-1-3	11/09/2020	Aroclor-1254	5	5	ug/mL	100	80-120
	ICV 1016-1254- 1260	PCB_2019-1-4	11/09/2020	Aroclor-1016	5	5.142	ug/mL	103	85-115
		PCB_2019-1-4	11/09/2020	Aroclor-1254	5	5.555	ug/mL	111	85-115
		PCB_2019-1-4	11/09/2020	Aroclor-1260	5	5.202	ug/mL	104	85-115
	CCV2- 1016 - 1260	PCB_2019-1-2	11/09/2020	Aroclor-1016	5	5.43	ug/mL	109	80-120
		PCB_2019-1-2	11/09/2020	Aroclor-1260	5	5.277	ug/mL	106	80-120
	CCV2-1254	PCB_2019-1-3	11/09/2020	Aroclor-1254	5	5.258	ug/mL	105	80-120

% Rec = Percent recovery

* = Percent recovery not within control limits

ORGANICS LABORATORY SERVICES



Company Terracon - Mountlake Terrace
Address 21905 64th Ave. W #100
 Mountlake Terrace, WA 98043
Project Manager Mr. Peter Snider
Phone (425) 771-3304
Cell (206) 499-4714


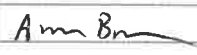

NVL Batch Number 2018380.00
TAT 5 Days **AH** No
Rush TAT
Due Date 11/11/2020 **Time** 3:45 PM
Email peter.snider@terracon.com
Fax (425) 771-3549

Project Name/Number: 81207486 **Project Location:** Kent Econolodge

Subcategory Quantitative analysis
Item Code ORG-05 **Method** 8082 PCB Aroclors <Bulk>

Total Number of Samples 3 **Rush Samples**

Lab ID	Sample ID	Description	A/R
1	20116035	EK-PCB1-01	A
2	20116036	EK-PCB2-01	A
3	20116037	EK-PCB3-01	A

	Print Name	Signature	Company	Date	Time
Sampled by	Client				
Relinquished by	Drop Box				
Office Use Only	Print Name	Signature	Company	Date	Time
Received by	Michael Jenkins		NVL	11/4/20	1545
Analyzed by			NVL	11/9/20	15:00
Results Called by					
<input type="checkbox"/> Faxed <input type="checkbox"/> Emailed					
Special Instructions:					

Entered By: Kelly AuVu Date: 11/5/2020 Time: 9:04 AM 1 of 1



PCB'S CHAIN OF CUSTODY

Turn Around Time

- 1 Hour 24 Hours 4 Days
- 2 Hours 2 Days 5 Days
- 4 Hours 3 Days 10 Days

Please call for TAT less than 24 Hours

Company Terracon Project Manager Peter Snider
 Address 21905 64th Ave West, suit 100 Cell (206) 499-4714
Mound lake terrace, WA 98043 Email Peter.Snider@terracon.com
 Phone 425-771-3304 Fax ()

Project Name/Number 81207486 Project Location Kent Econodge

- PCB's Air PCB's Bulk method EPA 8082 for PCB's
- PCB Wipe PCB BTEX

Reporting Instructions Email
 Call () Fax () Email PM + Daniel.Sheppard@terracon.com

Total Number of Samples 3

Sample ID	Description	A/R
1	<u>EK-PCB1-01</u>	
2	<u>J-PCB2-01</u>	
3	<u>J-PCB3-01</u>	
4		
5		
6		
7		
8		
9		
10		
11		
12		
13		
14		
15		

Print Name	Signature	Company	Date	Time
Sampled by <u>Jacob Lindberg</u>	<u>[Signature]</u>	<u>Terracon</u>	<u>11-4-20</u>	<u>1200</u>
Relinquish by <u>Jacob Lindberg</u>	<u>[Signature]</u>	<u>Terracon</u>	<u>11-4-20</u>	<u>1506</u>

Office Use Only

Print Name	Signature	Company	Date	Time
Received by <u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>11/4/20</u>	<u>1545</u>
Analyzed by <u>[Signature]</u>	<u>[Signature]</u>	<u>[Signature]</u>	<u>12/9/20</u>	<u>15:00</u>
Called by				
Faxed/Email by				

Appendix D Personnel and Laboratory Accreditations

Certificate of Completion

This is to certify that

Daniel E. Sheppard

has satisfactorily completed
4 hours of online refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

178621

Certificate Number



Jul 30, 2020

Expires in 1 year.

Date(s) of Training

Exam Score: N/A
(if applicable)

A handwritten signature in black ink, appearing to read "Alison Robinson".

Instructor: Alison Robinson

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

Certificate of Completion

This is to certify that

Jacob A. Lindberg

has satisfactorily completed
4 hours of online refresher training as an
AHERA Building Inspector

to comply with the training requirements of
TSCA Title II, 40 CFR 763 (AHERA)

EPA Provider # 1085

178883

Certificate Number



Sep 9, 2020

Expires in 1 year.

Date(s) of Training

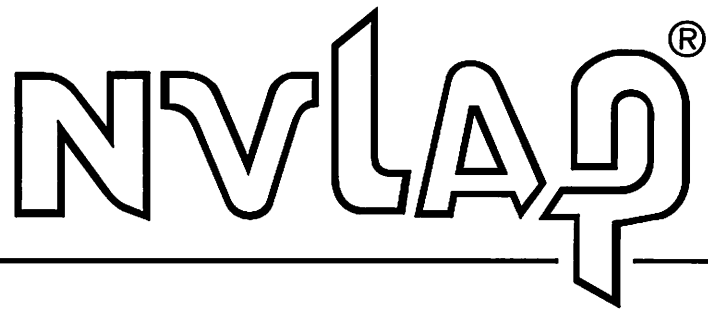
Exam Score: N/A
(if applicable)

A handwritten signature in black ink, appearing to read "AZ", written over a horizontal line.

Instructor: Andre Zwanenburg

ARGUS PACIFIC, INC / 21905 64th AVE W, SUITE 100 / MOUNTLAKE TERRACE, WASHINGTON 98043 / 206.285.3373 / ARGUSPACIFIC.COM

United States Department of Commerce
National Institute of Standards and Technology



Certificate of Accreditation to ISO/IEC 17025:2017

NVLAP LAB CODE: 200613-0

EMSL Analytical, Inc.
Seattle, WA

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

Asbestos Fiber Analysis

*This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2017.
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).*

2020-10-01 through 2021-09-30

Effective Dates



Dana S. Gorman
For the National Voluntary Laboratory Accreditation Program

SCOPE OF ACCREDITATION TO ISO/IEC 17025:2017

EMSL Analytical, Inc.

5900 4th Avenue S

Suite 100

Seattle, WA 98108

Rudy Baum

Phone: 206-269-6310

Email: rbaum@emsl.com

<http://www.emsl.com>

ASBESTOS FIBER ANALYSIS

NVLAP LAB CODE 200613-0

Bulk Asbestos Analysis

Code

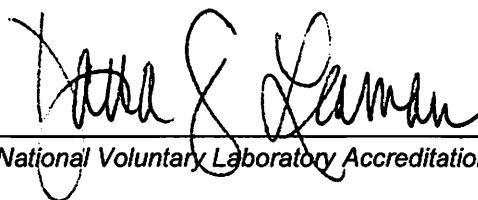
Description

18/A01

EPA -- 40 CFR Appendix E to Subpart E of Part 763, Interim Method of the Determination of Asbestos in Bulk Insulation Samples

18/A03

EPA 600/R-93/116: Method for the Determination of Asbestos in Bulk Building Materials



For the National Voluntary Laboratory Accreditation Program



UNITED STATES DEPARTMENT OF COMMERCE
National Institute of Standards and Technology
Gaithersburg, Maryland 20899

August 12, 2020

Rudy Baum
EMSL Analytical, Inc.
5900 4th Avenue S
Suite 100
Seattle, WA 98108

NVLAP Lab Code: 200613-0

Dear Rudy Baum,

Thank you for continuing your accreditation for Asbestos Fiber Analysis under the National Voluntary Laboratory Accreditation Program (NVLAP). This accreditation is effective until September 30, 2021, provided that your laboratory continues to comply with the accreditation requirements contained in the NVLAP Procedures.

Your updated accreditation documents are enclosed. You may reproduce these documents in their entirety and use the NVLAP symbol and/or term to reference your accredited status in accordance with the requirements published in NIST Handbook 150, 1.8. Accreditation does not relieve your laboratory from observing and complying with any applicable existing laws and/or regulations.

We are pleased to have you participate in NVLAP and look forward to your continued association with this program. If you have any questions concerning your NVLAP accreditation, please direct them to Hazel Richmond, Program Manager, Laboratory Accreditation Program, National Institute of Standards and Technology, 100 Bureau Dr. Stop 2140, Gaithersburg, MD 20899-2140; (301) 975-3024.

Sincerely,

Dana S. Leaman, Chief
National Voluntary Laboratory Accreditation Program





SCOPE OF ACCREDITATION TO ISO/IEC 17025:2005

EMSL ANALYTICAL, INC.
464 McCormick St.
San Leandro, CA 94577
Julian Neagu Phone: (510) 895-3675

ENVIRONMENTAL

Valid To: January 31, 2020

Certificate Number: 2845.09

In recognition of the successful completion of the A2LA evaluation process, accreditation is granted to this laboratory to perform recognized EPA methods using the following testing technologies and in the analyte categories identified below; for the test methods applicable to the National Environmental Lead Laboratory Accreditation Program (NLLAP) and tests on children's products:

<u>ENVIRONMENTAL LEAD</u>	
Test	Test Method(s)
Total Lead (Pb) in Paint Chips	Chips, EPA 7000B - (FLAA), EMSL Analytical, Inc. LMBL - SOP 200 3050 Modified Hotblock Digestion
Total Lead (Pb) in Dust Wipes	Wipes, EPA 7000B - (FLAA), EMSL Analytical, Inc. LMBL - SOP 200 3050, Modified Hotblock Digestion
Total Lead (Pb) in Soil	Soil, EPA 7000B - (FLAA), EMSL Analytical, Inc. LMBL - SOP 200 3050 Modified Hotblock Digestion
<u>AIR MATRIX*</u>	
Test	Test Method(s)
Total Lead (Pb) in Air	Air Cassettes, NIOSH 7082 – EMSL Analytical LMBL - SOP 200

*Not under NLLAP program



Accredited Laboratory

A2LA has accredited

EMSL ANALYTICAL, INC.

San Leandro, CA

for technical competence in the field of

Environmental Testing

This laboratory is accredited in accordance with the recognized International Standard ISO/IEC 17025:2005 *General requirements for the competence of testing and calibration laboratories*. This laboratory also meets the requirements of A2LA R206 - *Specific Requirements - Environmental Testing Laboratory Accreditation Program*. This accreditation demonstrates technical competence for a defined scope and the operation of a laboratory quality management system (*refer to joint ISO-ILAC-IAF Communiqué dated 8 January 2009*).



Presented this 18th day of December 2017.

A handwritten signature in black ink, written over a horizontal line.

President and CEO
For the Accreditation Council
Certificate Number 2845.09
Valid to January 31, 2020

For the tests to which this accreditation applies, please refer to the laboratory's Environmental Scope of Accreditation.

The State of
Department

Washington
of Ecology

NVL Laboratories, Inc
Seattle, WA

has complied with provisions set forth in Chapter 173-50 WAC and is hereby recognized by the Department of Ecology as an ACCREDITED LABORATORY for the analytical parameters listed on the accompanying Scope of Accreditation. This certificate is effective July 18, 2019 and shall expire July 17, 2020.

Witnessed under my hand on July 15, 2019



Rebecca Wood
Lab Accreditation Unit Supervisor

Laboratory ID
C797

WASHINGTON STATE DEPARTMENT OF ECOLOGY

ENVIRONMENTAL LABORATORY ACCREDITATION PROGRAM

SCOPE OF ACCREDITATION

NVL Laboratories, Inc

Seattle, WA

is accredited for the analytes listed below using the methods indicated. Full accreditation is granted unless stated otherwise in a note. EPA is the U.S. Environmental Protection Agency. SM is "Standard Methods for the Examination of Water and Wastewater." SM refers to EPA approved method versions. ASTM is the American Society for Testing and Materials. USGS is the U.S. Geological Survey. AOAC is the Association of Official Analytical Chemists. Other references are described in notes.

Matrix/Analyte	Method	Notes
Drinking Water		
Copper	EPA 200.9 Rev 2.2 (1994)	
Lead	EPA 200.9 Rev 2.2 (1994)	
Solid and Chemical Materials		
Arsenic	EPA 6010D_(7/14)	
Barium	EPA 6010D_(7/14)	
Cadmium	EPA 6010D_(7/14)	
Chromium	EPA 6010D_(7/14)	
Copper	EPA 6010D_(7/14)	
Lead	EPA 6010D_(7/14)	
Nickel	EPA 6010D_(7/14)	
Selenium	EPA 6010D_(7/14)	
Silver	EPA 6010D_(7/14)	
Zinc	EPA 6010D_(7/14)	
Mercury	EPA 7471B_(1/98)	
Aroclor-1016 (PCB-1016)	EPA 8082A_(2/07)	
Aroclor-1221 (PCB-1221)	EPA 8082A_(2/07)	
Aroclor-1232 (PCB-1232)	EPA 8082A_(2/07)	
Aroclor-1242 (PCB-1242)	EPA 8082A_(2/07)	
Aroclor-1248 (PCB-1248)	EPA 8082A_(2/07)	
Aroclor-1254 (PCB-1254)	EPA 8082A_(2/07)	
Aroclor-1260 (PCB-1260)	EPA 8082A_(2/07)	

Washington State Department of Ecology

Effective Date: 7/18/2019

Scope of Accreditation Report for NVL Laboratories, Inc

C797-19

Laboratory Accreditation Unit

Page 1 of 2

Scope Expires: 7/17/2020

Matrix/Analyte	Method	Notes
<i>Solid and Chemical Materials</i> Asbestos	EPA 600/R-93-116	1

Accredited Parameter Note Detail

(1) Accreditation based in part on recognition of US Department of Commerce NIST NVLAP accreditation.



07/15/2019

Authentication Signature
Rebecca Wood, Lab Accreditation Unit Supervisor

Date