U.S. Department of Housing and Urban Development
451 Seventh Street, SW
Washington, DC 20410
www.hud.gov
espanol.hud.gov

Environmental Assessment Determinations and Compliance Findings for HUD-assisted Projects 24 CFR Part 58

Project Information

Project Name: Field-Street-III-

HEROS Number: 900000010240378

Responsible Entity (RE): DETROIT, PLANNING AND DEVELOPMENT DEPARTMENT DETROIT MI, 48226

RE Preparer: Kim Siegel

State / Local Identifier: Detroit, Michigan

Certifying Officer: Julie Schneider

Grant Recipient (if different than Responsible Entity): Detroit Housing Commission

Point of Contact: Joy Flood

Consultant (if applicable):

Point of Contact:

Project Location: Field Street & E. Grand Blvd, Detroit, MI 48207

Additional Location Information:
1005 Field 1014 Field 1023 Field 1045 Field 1065 Field 1070 Field 1083 Field 1090 Field 1100 Field 1103 Field 1448 Field 1458 Field 1470 Field 1481 Field 1491 Field 232 E. Grand Blvd 236 E. Grand Blvd 240 E. Grand Blvd

Direct Comments to:

Description of the Proposed Project [24 CFR 50.12 & 58.32; 40 CFR 1508.25]:

The project will be funded with 8 Detroit Housing Commission Project-Based Vouchers. This project scope includes substantial rehabilitation and preservation of two affordable housing developments: Field Street I & Field Street II. Field Street I was originally constructed in 1996 and features 21 two- and three-bedroom family townhomes at or below 60% of Area Median Income (''AMI''). Field Street II was originally constructed in 2000 and includes a combination of two- and three-bedroom family townhomes totaling 23 units and a separate rehabilitated apartment building (formerly known at Hamilton House) with 5 total units (1-1BD and 4-2BD) for a total of 28 units. The proposed project includes combining both properties into one 49 unit property called Field Street III. The scope of work will include exterior site work including new asphalt, roofing, gutters & downspouts, siding, and landscaping. Building improvements include new windows and doors, and upgrades to the HVAC systems and mechanicals. All units will receive new cabinetry, lighting, energy efficient kitchen appliances, and bath flooring and vanity and will follow MSHDA Green Standards for energy efficiency.

Statement of Purpose and Need for the Proposal [40 CFR 1508.9(b)]:

The Proposed Project is being renovated in the Island View/Villages area of the city of Detroit. This area is one of 10 designated by the city as a ''strategic'' neighborhood where the city will concentrate resources to re-invigorate the area. City improvements include street scape modifications to make the streets more pedestrian friendly, improvements to the Butzel Community Center and Park that will make the park and community center easier to access and more inviting. Private investment in immediate area around the Proposed Project is beginning on a small scale as several existing commercial buildings have been renovated and new businesses have opened. The residential area surrounding the project can be described as stable with well maintained homes and few vacant lots. The proposed project is expected to improve the living conditions for residents and further increase the stability of housing in this neighborhood. The project will be funded with 8 Detroit Housing Commission (DHC) Project-Based Vouchers.

Existing Conditions and Trends [24 CFR 58.40(a)]:

The census tract (26163515300) where the project is located is considered severely distressed with a high poverty rate. Current income levels at Field Street I are at or below 60% of the Area Medium Income (AMI) and income levels at Field Street II are a combination of 20% and 50% of AMI. The need for deeply affordable housing is great in this area and the units being renovated with 8 Detroit Housing Commission (DHC) Project-Based Vouchers will help satisfy this need.

Maps, photographs, and other documentation of project location and description:

Attachment 0 - Property Map.pdf

Determination:

✓	Finding of No Significant Impact [24 CFR 58.40(g)(1); 40 CFR 1508.13] The project will not result in a significant impact on the quality of human environment
	Finding of Significant Impact

Approval Documents:

7015.15 certified by Certifying Officer on:

7015.16 certified by Authorizing Officer on:

Funding Information

Grant / Project Identification Number	HUD Program	Program Name
M1001	Public Housing	Project-Based Voucher Program

Estimated Total HUD Funded, Assisted or Insured Amount: $1.00

Estimated Total Project Cost [24 CFR 58.2 (a)(5)]: $1.00

Compliance with 24 CFR §50.4, §58.5 and §58.6 Laws and Authorities

Compliance Factors: Statutes, Executive Orders, and Regulations listed at 24 CFR §50.4, §58.5, and §58.6	Are formal compliance steps or mitigation required?	Compliance determination (See Appendix A for source determinations)
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.6		
Airport Hazards Clear Zones and Accident Potential Zones; 24 CFR Part 51 Subpart D	☐ Yes ☑ No	The property is not located in a FAA-designated Airport Clear Zone and Accident Potential Zone. Coleman A. Young International Airport is located 7.4 miles from the property (Attachment A).

Coastal Barrier Resources Act Coastal Barrier Resources Act, as amended by the Coastal Barrier Improvement Act of 1990 [16 USC 3501]	☐ Yes ☑ No	Review of the John H. Chafee Coastal Barrier Resources System Map and the U.S. Fish and Wildlife Service online Coastal Barrier Resource Mapper documents the project is not located within a designated coastal barrier boundary (Attachment B).
Flood Insurance Flood Disaster Protection Act of 1973 and National Flood Insurance Reform Act of 1994 [42 USC 4001-4128 and 42 USC 5154a]	☐ Yes ☑ No	According to the Federal Emergency Management Agency (FEMA) floodplain map, dated February 2, 2012 (Panel Number 26163C0285E), the site is not located within the 100-year flood zone. Furthermore, topographical features present in the area of the site are not representative of a floodplain (Attachment C).
STATUTES, EXECUTIVE ORDERS, AND REGULATIONS LISTED AT 24 CFR §50.4 & § 58.5		
Air Quality Clean Air Act, as amended, particularly section 176(c) & (d); 40 CFR Parts 6, 51, 93	☐ Yes ☑ No	The project area is located in Wayne County which is in nonattainment for Ozone. However, the project involves rehabilitation and does not constitute a significant new source of air pollution; emissions will be below de minimis levels. The project is in compliance with the Clean Air Act and thus, demonstration of conformance with the State Implementation Plan (SIP) is not required. (See Appendix D).
Coastal Zone Management Act Coastal Zone Management Act, sections 307(c) & (d)	☐ Yes ☑ No	This project is not located in or does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is in compliance with the Coastal Zone Management Act (Attachment E).
Contamination and Toxic Substances 24 CFR 50.3(i) & 58.5(i)(2)]	☑ Yes ☐ No	
Endangered Species Act Endangered Species Act of 1973, particularly section 7; 50 CFR Part 402	☐ Yes ☑ No	Wayne County is home to six endangered/threatened or proposed endangered species. Two bat species, the Indiana Bat and the Northern long-eared bat, live near river or stream corridors and near caves or mines. These species also inhabit wooded areas. The Eastern Massasauga rattlesnake lives in open woodlands and

		shrubland. The Rufa Red Knot lives in coastal areas and large wetland complexes. The Northern Riffleshell Mussel is found in large streams and small rivers in firm sand of riffle areas. The Eastern prairie fringed orchid can be found in mesic to wet prairies and meadows. The property does not contain the habitat of any of the listed species in the County. Consultation with the U.S. Fish and Wildlife Service or the State of Michigan Department of Natural Resources is not required (Attachment G).
Explosive and Flammable Hazards Above-Ground Tanks)[24 CFR Part 51 Subpart C	☐ Yes ☑ No	The project is located at an Acceptable Separation Distance (ASD) from any above-ground explosive or flammable fuels or chemicals containers according to 24 CFR 51C. No explosive or flammable hazards, including ASTs were found on the property based on interviews with site managers and comprehensive site investigations. Review of aerial photographs and AST licensing information revealed no ASTs located within 1-mile of the property (Attachment H).
Farmlands Protection Farmland Protection Policy Act of 1981, particularly sections 1504(b) and 1541; 7 CFR Part 658	☐ Yes ☑ No	Review of the USDA Web Soil Survey indicates this project does not affect any prime or unique farmland. The project is located within an ''urbanized'' area. Therefore, the Project is not subject to the statutory or regulatory requirements (Attachment I).
Floodplain Management Executive Order 11988, particularly section 2(a); 24 CFR Part 55	☐ Yes ☑ No	According to the Federal Emergency Management Agency (FEMA) floodplain map, dated February 2, 2012 (Panel Number 26163C0285E), the subject property is not located within the 100-year flood zone. Furthermore, topographical features present in the subject property area are not representative of a floodplain (Attachment C).
Historic Preservation National Historic Preservation Act of	☐ Yes ☑ No	The project was submitted to the City of Detroit for review, per the

1966, particularly sections 106 and 110; 36 CFR Part 800		programmatic agreement between the City of Detroit and the State Historic Preservation Office (SHPO). The East Grand Boulevard National Register-listed historic district is located within the Area of Potential Effects (APE) for this project. Hamilton Apartments (232 E. Grand Boulevard) is the only contributing resource to this historic district located within the APE. Since the project is located within a National Register-listed historic district, the Preservation Specialist is required to review specifications and photos of the proposed work. A scope of work was provided to the Preservation Specialist and the project has been given a Conditional Approval and will have no adverse effect (Federal Regulations 36 CFR Part 800.5(b)) on properties that are listed or eligible for listing in the National Register of Historic Places, as long at the following conditions are met: 1) The work is conducted in accordance with the specifications provided to the Preservation Specialist by ASTI Environmental; 2) The work will follow the Secretary of the Interior's Standards for Rehabilitation; 3) If there are any changes to the proposed project, those changes must be submitted to the Preservation Specialist for review and approval prior to proceeding; and, 4) Once the work is complete, ''After'' photos of all work items will need to be submitted to the Preservation Specialist so that the project can comply with the requirements of the Section 106 review. An Approval of Completed Work may be issued for the project once photos of the completed work are received and reviewed (Attachment J).
Noise Abatement and Control Noise Control Act of 1972, as amended by the Quiet Communities	☐ Yes ☑ No	There are no applicable busy roads or highways within 1,000 feet of the site. There are no active railroads within

Act of 1978; 24 CFR Part 51 Subpart B		3,000 feet of the site. There are three airports within 15 miles (Metro Airport, Detroit City Airport, and Windsor International Airport); however, the site is outside of predicted noise exposure areas for each airport. Even though there are no noise concerns, the project will include the installation of double-paned windows and the change of exterior doors from steel to fiberglass. The project is in compliance with HUD's Noise regulation (Attachment K).
Sole Source Aquifers Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149	☐ Yes ☑ No	There are no sole source aquifers in the state of Michigan. Therefore, the project will not impact a sole source aquifer (Attachment L).
Wetlands Protection Executive Order 11990, particularly sections 2 and 5	☐ Yes ☑ No	Areas potentially associated with wetlands were not observed on the site during the site reconnaissance. In addition, review of the National Wetlands Inventory (NWI) Map from the U.S. Fish and Wildlife Service and the EGLE Wetlands Map Viewer, did not identify any wetlands on the site (Attachment M).
Wild and Scenic Rivers Act Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	☐ Yes ☑ No	The National Wildlife and Scenic Rivers System map (maintained and managed by the Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service and U.S. Forest Service) was reviewed to determine if the property is within a wild and scenic river area. There are no wild and scenic rivers located within the City of Detroit or Wayne County (Attachment N).
HUD HOUSING ENVIRONMENTAL STANDARDS		
ENVIRONMENTAL JUSTICE		
Environmental Justice Executive Order 12898	☐ Yes ☑ No	This project will not have a disproportionately high adverse affect on human health or environment of minority populations and/or low-income populations. This project entails renovation/rehabilitation of the subject buildings. This project is intended to

		improve the present environment of low-income citizens (Attachment O).

Environmental Assessment Factors [24 CFR 58.40; Ref. 40 CFR 1508.8 &1508.27]

Impact Codes: An impact code from the following list has been used to make the determination of impact for each factor.
(1) Minor beneficial impact
(2) No impact anticipated
(3) Minor Adverse Impact – May require mitigation
(4) Significant or potentially significant impact requiring avoidance or modification which may require an Environmental Impact Statement.

Environmental Assessment Factor	Impact Code	Impact Evaluation	Mitigation
LAND DEVELOPMENT			
Conformance with Plans / Compatible Land Use and Zoning / Scale and Urban Design	2	The project is in line with the existing zoning and compatible with the surrounding neighborhood which is a combination of single and multi-family dwellings, schools, and churches. The project is not anticipated to have any significant impact on the surrounding urban environment and it will be compatible with surrounding land uses.	
Soil Suitability / Slope/ Erosion / Drainage and Storm Water Runoff	2	The site involves the renovation of an already existing homes; no new construction requiring suitable soil will take place. The site is relatively flat and no drainage or slope issues are anticipated. The proposed project involves the renovation of already existing homes and as such will not create slopes. The homes are connected to the municipal storm sewer service. Service already exists for the properties. The Detroit Water and Sewage Department provides service to the project area.	
Hazards and Nuisances including Site Safety and Site-Generated Noise	2	The project is not adversely affected by on-site or off-site hazards or nuisances. There will be adequate on-site parking for residents.	

Environmental Assessment Factor	Impact Code	Impact Evaluation	Mitigation
LAND DEVELOPMENT			
Energy Consumption/Energy Efficiency	2	The building is already served by electrical and gas utilities provided by DTE. There is adequate capacity to serve the new tenants.	
SOCIOECONOMIC			
Employment and Income Patterns	2	There will be a temporary increase in jobs related to the rehabilitation project. Other than construction related changes, the project will not result in a change to employment and income patterns in the area.	
Demographic Character Changes / Displacement	1	The project will not change the demographics of the general area. It will provide needed affordable housing to residents of the area. The project aims to assist low-income individuals in Detroit.	
COMMUNITY FACILITIES AND SERVICES			
Educational and Cultural Facilities (Access and Capacity)	2	Marcus Garvey High School is near the project. Cultural facilities are generally in the Cultural Center of the Midtown area of the city and can be accessed by public transportation from the site. The site will have no impact on any cultural institutions.	
Commercial Facilities (Access and Proximity)	2	The project is located within the ''Islandview / Village'' areas of Detroit, which has many commercial businesses.	
Health Care / Social Services (Access and Capacity)	2	The site is located near Ascension at St. John's River Center. Larger care and social services facilities can be reached by public transportation.	
Solid Waste Disposal and Recycling (Feasibility and Capacity)	2	Solid waste disposal will be taken care of via the City of Detroit's Solid Waste contractor.	
Waste Water and Sanitary Sewers (Feasibility and Capacity)	2	The site is connected to the municipal sanitary sewer service. Service already exists for the site. The Detroit Water and Sewage Department provides service to the project area.	

Environmental Assessment Factor	Impact Code	Impact Evaluation	Mitigation
LAND DEVELOPMENT			
Water Supply (Feasibility and Capacity)	2	The site is connected to the municipal water service. Service already exists for the site. The Detroit Water and Sewage Department provides service to the project area.	
Public Safety - Police, Fire and Emergency Medical	2	The nearest fire station is located at 3737 E. Lafayette, which is 1.0 mile from the Project and easily accessible to the site on major streets. The station is an engine and ladder company and also has a medic unit. The project is in the 7th precinct of the police department with headquarters located at 3501 Chene, which is 2.3 miles away. Public safety agencies in the city of Detroit can service the project with no adverse impact.	
Parks, Open Space and Recreation (Access and Capacity)	2	Butzel Community Center is near the site. It provides a large open area with playground and recreational facilities in the community building. Butzel can service the project with no adverse impact to the center. Additionally, the project is located in close proximity to Belle Isle State Park. Belle Isle has outdoor recreation space, facilities, museums and more.	
Transportation and Accessibility (Access and Capacity)	2	The Grand Blvd bus line of the City of Detroit Department of Transportation (DDOT) provides daily service along E. Grand Blvd. from Henrie to Jefferson Avenue with a stop by the site every 30 minutes. Additionally, a bus runs along Jefferson Ave frequently. Public transportation to all parts of the city is available from the project. The project will have no negative impact on transportation and accessibility.	
NATURAL FEATURES			
Unique Natural Features /Water Resources	2	The project location does not contain any unique natural features of agricultural lands. The City of Detroit is an urban city with few unique natural	

Environmental Assessment Factor	Impact Code	Impact Evaluation	Mitigation
LAND DEVELOPMENT			
		features or agricultural lands. Groundwater will not be affected by the proposed project. The city provides municipal water service to the project area. There are no sole source aquifers in the State of Michigan. The Michigan EGLE provides information regarding source waters for different areas in the state, according to this map Detroit's source water is likely from the Great Lakes connecting channels. No water resources will be impacted by the proposed project.	
Vegetation / Wildlife (Introduction, Modification, Removal, Disruption, etc.)	2	No vegetation or wildlife is expected to be impacted by the proposed project.	
Other Factors	2	None.	

Supporting documentation

Additional Studies Performed:

Field Inspection [Optional]: Date and completed by:
Anthony Spencer, ASTI 9/1/2021 12:00:00 AM

List of Sources, Agencies and Persons Consulted [40 CFR 1508.9(b)]:
U.S. EPA, USGS, USDA Soil Conservation Service, EGLE, Wayne County Health Department, City of Detroit government sources, EDR, Interviews and questionnaire responses (in the Phase I Environmental Site Assessment), HUD, FEMA, USFWS, National Wild & Scenic River Systems.

List of Permits Obtained:

Public Outreach [24 CFR 58.43]:

All historical, local and federal contacts on the attached 2021 Interest Parties List were sent a copy of the Notice of Intent to Request for Release of Funds to use HUD funding for the project and were asked to comment on the project.

2021 Interested Parties List.pdf

Cumulative Impact Analysis [24 CFR 58.32]:

No cumulative impacts are anticipated for this project.

Alternatives [24 CFR 58.40(e); 40 CFR 1508.9]

No alternative sites were considered.

No Action Alternative [24 CFR 58.40(e)]

The No Action Alternative is to not renovate the existing homes. This alternative is not preferred as it fails to provide needed improvements to existing affordable housing in the City of Detroit.

Summary of Findings and Conclusions:

The proposed redevelopment is not anticipated to negatively impact the City of Detroit or neighborhoods surrounding the site. The activity is compatible with the surrounding neighborhood and zoning and will have minimal impact on existing resources or services in the area.

Mitigation Measures and Conditions [CFR 1505.2(c)]:

Summarized below are all mitigation measures adopted by the Responsible Entity to reduce, avoid or eliminate adverse environmental impacts and to avoid non-compliance or non-conformance with the above-listed authorities and factors. These measures/conditions must be incorporated into project contracts, development agreements and other relevant documents. The staff responsible for implementing and monitoring mitigation measures should be clearly identified in the mitigation plan.

Law, Authority, or Factor	Mitigation Measure or Condition	Comments on Completed Measures	Mitigation Plan	Complete
Contamination and Toxic Substances	The State of Michigan Department of the Environment, Great Lakes and Energy (EGLE) approved a Response Activity Plan - Evaluation Plan (ResAP) for additional evaluation activities. Further site characterization will be	N/A	Further site characterization is needed for the purpose delineating the contaminated soil above the DC and SSVIAC and to	

	required. See the Mitigation Plan and ResAP - Evaluation Plan for further information.		determine the appropriate response activities. A total of 73 soil borings which includes the collection of up to 172 samples for these borings are proposed to be completed to further characterize and delineate VOCs, PNAs, arsenic, lead, and mercury. The collected data will be used to determine what and where response activities are needed to mitigate the identified unacceptable exposures on the various parcels that comprise the site. See the attached mitigation plan for additional information.	

Project Mitigation Plan

Please see the attached Field Street III Mitigation Plan for detailed information regarding the required mitigation steps.

Field Street III Mitigation Plan.pdf

Supporting documentation on completed measures

APPENDIX A: Related Federal Laws and Authorities

Airport Hazards

General policy	Legislation	Regulation
It is HUD's policy to apply standards to prevent incompatible development around civil airports and military airfields.		24 CFR Part 51 Subpart D

1. To ensure compatible land use development, you must determine your site's proximity to civil and military airports. Is your project within 15,000 feet of a military airport or 2,500 feet of a civilian airport?

✓ **No**

Based on the response, the review is in compliance with this section. Document and upload the map showing that the site is not within the applicable distances to a military or civilian airport below

Yes

Screen Summary

Compliance Determination

The property is not located in a FAA-designated Airport Clear Zone and Accident Potential Zone. Coleman A. Young International Airport is located 7.4 miles from the property (Attachment A).

Supporting documentation

Attachment A - RCZ Map.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Coastal Barrier Resources

General requirements	Legislation	Regulation
HUD financial assistance may not be used for most activities in units of the Coastal Barrier Resources System (CBRS). See 16 USC 3504 for limitations on federal expenditures affecting the CBRS.	Coastal Barrier Resources Act (CBRA) of 1982, as amended by the Coastal Barrier Improvement Act of 1990 (16 USC 3501)	

1. Is the project located in a CBRS Unit?

✓ No

Document and upload map and documentation below.

Yes

Compliance Determination

Review of the John H. Chafee Coastal Barrier Resources System Map and the U.S. Fish and Wildlife Service online Coastal Barrier Resource Mapper documents the project is not located within a designated coastal barrier boundary (Attachment B).

Supporting documentation

Attachment B - Coastal Barrier Map.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Flood Insurance

General requirements	Legislation	Regulation
Certain types of federal financial assistance may not be used in floodplains unless the community participates in National Flood Insurance Program and flood insurance is both obtained and maintained.	Flood Disaster Protection Act of 1973 as amended (42 USC 4001-4128)	24 CFR 50.4(b)(1) and 24 CFR 58.6(a) and (b); 24 CFR 55.1(b).

1. Does this project involve financial assistance for construction, rehabilitation, or acquisition of a mobile home, building, or insurable personal property?

No. This project does not require flood insurance or is excepted from flood insurance.

✓ Yes

2. Upload a FEMA/FIRM map showing the site here:

Attachment C - FEMA FIRMette Map.pdf

The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use the best available information to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site. Provide FEMA/FIRM floodplain zone designation, panel number, and date within your documentation.

Is the structure, part of the structure, or insurable property located in a FEMA-designated Special Flood Hazard Area?

✓ No

Based on the response, the review is in compliance with this section.

Yes

4. While flood insurance is not mandatory for this project, HUD strongly recommends that all insurable structures maintain flood insurance under the National Flood Insurance Program (NFIP). Will flood insurance be required as a mitigation measure or condition?

Yes

✓ No

Screen Summary

Compliance Determination

According to the Federal Emergency Management Agency (FEMA) floodplain map, dated February 2, 2012 (Panel Number 26163C0285E), the site is not located within the 100-year flood zone. Furthermore, topographical features present in the area of the site are not representative of a floodplain (Attachment C).

Supporting documentation

Are formal compliance steps or mitigation required?

Yes

✓ No

Air Quality

General requirements	Legislation	Regulation
The Clean Air Act is administered by the U.S. Environmental Protection Agency (EPA), which sets national standards on ambient pollutants. In addition, the Clean Air Act is administered by States, which must develop State Implementation Plans (SIPs) to regulate their state air quality. Projects funded by HUD must demonstrate that they conform to the appropriate SIP.	Clean Air Act (42 USC 7401 et seq.) as amended particularly Section 176(c) and (d) (42 USC 7506(c) and (d))	40 CFR Parts 6, 51 and 93

1. Does your project include new construction or conversion of land use facilitating the development of public, commercial, or industrial facilities OR five or more dwelling units?

Yes

✓ No

Based on the response, the review is in compliance with this section.

Screen Summary

Compliance Determination

The project area is located in Wayne County which is in nonattainment for Ozone. However, the project involves rehabilitation and does not constitute a significant new source of air pollution; emissions will be below de minimis levels. The project is in compliance with the Clean Air Act and thus, demonstration of conformance with the State Implementation Plan (SIP) is not required. (See Appendix D).

Supporting documentation

Attachment D - Air Quality.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Coastal Zone Management Act

General requirements	Legislation	Regulation
Federal assistance to applicant agencies for activities affecting any coastal use or resource is granted only when such activities are consistent with federally approved State Coastal Zone Management Act Plans.	Coastal Zone Management Act (16 USC 1451-1464), particularly section 307(c) and (d) (16 USC 1456(c) and (d))	15 CFR Part 930

1. Is the project located in, or does it affect, a Coastal Zone as defined in your state Coastal Management Plan?

Yes

✓ No

Based on the response, the review is in compliance with this section. Document and upload all documents used to make your determination below.

Screen Summary

Compliance Determination

This project is not located in or does not affect a Coastal Zone as defined in the state Coastal Management Plan. The project is in compliance with the Coastal Zone Management Act (Attachment E).

Supporting documentation

Attachment E - Coastal Management Map.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Contamination and Toxic Substances

General requirements	Legislation	Regulations
It is HUD policy that all properties that are being proposed for use in HUD programs be free of hazardous materials, contamination, toxic chemicals and gases, and radioactive substances, where a hazard could affect the health and safety of the occupants or conflict with the intended utilization of the property.		24 CFR 58.5(i)(2) 24 CFR 50.3(i)

1. How was site contamination evaluated? Select all that apply. Document and upload documentation and reports and evaluation explanation of site contamination below.

- ✓ American Society for Testing and Materials (ASTM) Phase I Environmental Site Assessment (ESA)
- ✓ ASTM Phase II ESA
- ✓ Remediation or clean-up plan

ASTM Vapor Encroachment Screening

None of the Above

2. Were any on-site or nearby toxic, hazardous, or radioactive substances found that could affect the health and safety of project occupants or conflict with the intended use of the property? (Were any recognized environmental conditions or RECs identified in a Phase I ESA and confirmed in a Phase II ESA?)

No

✓ Yes

3. Mitigation

Document and upload the mitigation needed according to the requirements of the appropriate federal, state, tribal, or local oversight agency. If the adverse environmental effects cannot be mitigated, then HUD assistance may not be used for the project at this site.

Can adverse environmental impacts be mitigated?

Adverse environmental impacts cannot feasibly be mitigated.

✓ Yes, adverse environmental impacts can be eliminated through mitigation. Document and upload all mitigation requirements below.

4. Describe how compliance was achieved in the text box below. Include any of the following that apply: State Voluntary Clean-up Program, a No Further Action letter, use of engineering controls, or use of institutional controls.

The State of Michigan Department of the Environment, Great Lakes and Energy (EGLE) approved a Response Activity Plan - Evaluation Plan (ResAP) for additional evaluation activities. Further site characterization will be required. See the Mitigation Plan and ResAP - Evaluation Plan for further information.

If a remediation plan or clean-up program was necessary, which standard does it follow?

✓ Complete removal

Risk-based corrective action (RBCA)

Screen Summary
Compliance Determination

Supporting documentation

Attachment F - Response Activity Plan Evaluation Plan FINAL.pdf
Attachment F - RespAP-Evaluation Plan Approval Letter.pdf
Attachment F - Phase I ESA 2021.pdf
Attachment F - Radon Maps.pdf
Attachment F - Phase II ESA.pdf
Attachment F - Lead-Based Paint Survey Report.pdf
Attachment F - Baseline Environmental Assessment Field(1).pdf
Attachment F - Baseline Environmental Assessment Field and Grand.pdf
Attachment F - Asbestos Contaning Materials Inspection.pdf

Are formal compliance steps or mitigation required?

✓ Yes

No

Endangered Species

General requirements	ESA Legislation	Regulations
Section 7 of the Endangered Species Act (ESA) mandates that federal agencies ensure that actions that they authorize, fund, or carry out shall not jeopardize the continued existence of federally listed plants and animals or result in the adverse modification or destruction of designated critical habitat. Where their actions may affect resources protected by the ESA, agencies must consult with the Fish and Wildlife Service and/or the National Marine Fisheries Service ("FWS" and "NMFS" or "the Services").	The Endangered Species Act of 1973 (16 U.S.C. 1531 *et seq*.); particularly section 7 (16 USC 1536).	50 CFR Part 402

1. Does the project involve any activities that have the potential to affect specifies or habitats?

✓ No, the project will have No Effect due to the nature of the activities involved in the project.

This selection is only appropriate if none of the activities involved in the project have potential to affect species or habitats. Examples of actions without potential to affect listed species may include: purchasing existing buildings, completing interior renovations to existing buildings, and replacing exterior paint or siding on existing buildings.
Based on the response, the review is in compliance with this section.

No, the project will have No Effect based on a letter of understanding, memorandum of agreement, programmatic agreement, or checklist provided by local HUD office

Yes, the activities involved in the project have the potential to affect species and/or habitats.

Screen Summary

Compliance Determination

Wayne County is home to six endangered/threatened or proposed endangered species. Two bat species, the Indiana Bat and the Northern long-eared bat, live near river or stream corridors and near caves or mines. These species also inhabit wooded areas. The Eastern Massasauga rattlesnake lives in open woodlands and shrubland. The Rufa Red Knot lives in coastal areas and large wetland complexes. The Northern

Riffleshell Mussel is found in large streams and small rivers in firm sand of riffle areas. The Eastern prairie fringed orchid can be found in mesic to wet prairies and meadows. The property does not contain the habitat of any of the listed species in the County. Consultation with the U.S. Fish and Wildlife Service or the State of Michigan Department of Natural Resources is not required (Attachment G).

Supporting documentation

Attachment G - Endangered Species.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Explosive and Flammable Hazards

General requirements	Legislation	Regulation
HUD-assisted projects must meet Acceptable Separation Distance (ASD) requirements to protect them from explosive and flammable hazards.	N/A	24 CFR Part 51 Subpart C

1. Is the proposed HUD-assisted project itself the development of a hazardous facility (a facility that mainly stores, handles or processes flammable or combustible chemicals such as bulk fuel storage facilities and refineries)?

✓ No

Yes

2. Does this project include any of the following activities: development, construction, rehabilitation that will increase residential densities, or conversion?

✓ No

Based on the response, the review is in compliance with this section.

Yes

Screen Summary

Compliance Determination

The project is located at an Acceptable Separation Distance (ASD) from any above-ground explosive or flammable fuels or chemicals containers according to 24 CFR 51C. No explosive or flammable hazards, including ASTs were found on the property based on interviews with site managers and comprehensive site investigations. Review of aerial photographs and AST licensing information revealed no ASTs located within 1-mile of the property (Attachment H).

Supporting documentation

Attachment H - Explosives ASD Map.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Farmlands Protection

General requirements	Legislation	Regulation
The Farmland Protection Policy Act (FPPA) discourages federal activities that would convert farmland to nonagricultural purposes.	Farmland Protection Policy Act of 1981 (7 U.S.C. 4201 et seq.)	7 CFR Part 658

1. Does your project include any activities, including new construction, acquisition of undeveloped land or conversion, that could convert agricultural land to a non-agricultural use?

Yes

✓ No

If your project includes new construction, acquisition of undeveloped land or conversion, explain how you determined that agricultural land would not be converted:

This project is located in an urbanized area on urban land.

Based on the response, the review is in compliance with this section. Document and upload all documents used to make your determination below.

Screen Summary

Compliance Determination

Review of the USDA Web Soil Survey indicates this project does not affect any prime or unique farmland. The project is located within an ''urbanized'' area. Therefore, the Project is not subject to the statutory or regulatory requirements (Attachment I).

Supporting documentation

Attachment I - Farmland Classification Map.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Floodplain Management

General Requirements	Legislation	Regulation
Executive Order 11988, Floodplain Management, requires federal activities to avoid impacts to floodplains and to avoid direct and indirect support of floodplain development to the extent practicable.	Executive Order 11988	24 CFR 55

1. Do any of the following exemptions apply? Select the applicable citation? [only one selection possible]

55.12(c)(3)
55.12(c)(4)
55.12(c)(5)
55.12(c)(6)
55.12(c)(7)
55.12(c)(8)
55.12(c)(9)
55.12(c)(10)
55.12(c)(11)
✓ None of the above

2. Upload a FEMA/FIRM map showing the site here:

Attachment C - FEMA FIRMette Map.pdf

The Federal Emergency Management Agency (FEMA) designates floodplains. The FEMA Map Service Center provides this information in the form of FEMA Flood Insurance Rate Maps (FIRMs). For projects in areas not mapped by FEMA, use **the best available information** to determine floodplain information. Include documentation, including a discussion of why this is the best available information for the site.

Does your project occur in a floodplain?

✓ No

Based on the response, the review is in compliance with this section.

Yes

Screen Summary

Compliance Determination

According to the Federal Emergency Management Agency (FEMA) floodplain map, dated February 2, 2012 (Panel Number 26163C0285E), the subject property is not located within the 100-year flood zone. Furthermore, topographical features present in the subject property area are not representative of a floodplain (Attachment C).

Supporting documentation

Attachment C - FEMA FIRMette Map(1).pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Historic Preservation

General requirements	Legislation	Regulation
Regulations under Section 106 of the National Historic Preservation Act (NHPA) require a consultative process to identify historic properties, assess project impacts on them, and avoid, minimize, or mitigate adverse effects	Section 106 of the National Historic Preservation Act (16 U.S.C. 470f)	36 CFR 800 "Protection of Historic Properties" https://www.govinfo.gov/content/pkg/CFR-2012-title36-vol3/pdf/CFR-2012-title36-vol3-part800.pdf

Threshold

Is Section 106 review required for your project?

No, because the project consists solely of activities listed as exempt in a Programmatic Agreement (PA). (See the PA Database to find applicable PAs.)
No, because the project consists solely of activities included in a No Potential to Cause Effects memo or other determination [36 CFR 800.3(a)(1)].
✓ Yes, because the project includes activities with potential to cause effects (direct or indirect).

Step 1 – Initiate Consultation

Select all consulting parties below (check all that apply):

Indian Tribes, including Tribal Historic Preservation Officers (THPOs) or Native Hawaiian Organizations (NHOs)

✓ Other Consulting Parties

✓ City of Detroit Preservation Specialist Completed

Describe the process of selecting consulting parties and initiating consultation here:

Under the authority of the National Historic Preservation Act (NHPA) of 1966, as amended, and the Programmatic Agreement between the Michigan State Historic Preservation Office and the City of Detroit, Michigan, as amended, dated November 9, 2016, the City of Detroit has reviewed the above-cited project and has determined it to be an undertaking as defined by 36 CFR 800.16(y).

Document and upload all correspondence, notices and notes (including comments and objections received below).

Was the Section 106 Lender Delegation Memo used for Section 106 consultation?

Yes
No

Step 2 – Identify and Evaluate Historic Properties

1. **Define the Area of Potential Effect (APE), either by entering the address(es) or uploading a map depicting the APE below:**
   See supporting documentation in the Section 106 report.

   In the chart below, list historic properties identified and evaluated in the APE. Every historic property that may be affected by the project should be included in the chart.

   Upload the documentation (survey forms, Register nominations, concurrence(s) and/or objection(s), notes, and photos) that justify your National Register Status determination below.

Address / Location / District	National Register Status	SHPO Concurrence	Sensitive Information

   Additional Notes:

2. **Was a survey of historic buildings and/or archeological sites done as part of the**

project?

✓ Yes

Document and upload surveys and report(s) below.
For Archeological surveys, refer to HP Fact Sheet #6, Guidance on Archeological Investigations in HUD Projects.

Additional Notes:

A survey of historic buildings was completed as part of the project. See below for additional information.

No

Step 3 –Assess Effects of the Project on Historic Properties

Only properties that are listed on or eligible for the National Register of Historic Places receive further consideration under Section 106. Assess the effect(s) of the project by applying the Criteria of Adverse Effect. (36 CFR 800.5)] Consider direct and indirect effects as applicable as per guidance on direct and indirect effects.

Choose one of the findings below - No Historic Properties Affected, No Adverse Effect, or Adverse Effect; and seek concurrence from consulting parties.

No Historic Properties Affected

✓ No Adverse Effect

Based on the response, the review is in compliance with this section.
Document reason for finding:

The East Grand Boulevard National Register-listed historic district is located within the Area of Potential Effects (APE) for this project. Hamilton Apartments (232 E. Grand Boulevard) is the only contributing resource to this historic district located within the APE.

Does the No Adverse Effect finding contain conditions?

Yes (check all that apply)

✓ No

Based on the response, the review is in compliance with this section. Document and upload concurrence(s) or objection(s) below.

Adverse Effect

Screen Summary

Compliance Determination

The project was submitted to the City of Detroit for review, per the programmatic agreement between the City of Detroit and the State Historic Preservation Office (SHPO). The East Grand Boulevard National Register-listed historic district is located within the Area of Potential Effects (APE) for this project. Hamilton Apartments (232 E. Grand Boulevard) is the only contributing resource to this historic district located within the APE. Since the project is located within a National Register-listed historic district, the Preservation Specialist is required to review specifications and photos of the proposed work. A scope of work was provided to the Preservation Specialist and the project has been given a Conditional Approval and will have no adverse effect (Federal Regulations 36 CFR Part 800.5(b)) on properties that are listed or eligible for listing in the National Register of Historic Places, as long at the following conditions are met: 1) The work is conducted in accordance with the specifications provided to the Preservation Specialist by ASTI Environmental; 2) The work will follow the Secretary of the Interior's Standards for Rehabilitation; 3) If there are any changes to the proposed project, those changes must be submitted to the Preservation Specialist for review and approval prior to proceeding; and, 4) Once the work is complete, ''After'' photos of all work items will need to be submitted to the Preservation Specialist so that the project can comply with the requirements of the Section 106 review. An Approval of Completed Work may be issued for the project once photos of the completed work are received and reviewed (Attachment J).

Supporting documentation

Attachment J - Section 106 Letter.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Noise Abatement and Control

General requirements	Legislation	Regulation
HUD's noise regulations protect residential properties from excessive noise exposure. HUD encourages mitigation as appropriate.	Noise Control Act of 1972 General Services Administration Federal Management Circular 75-2: "Compatible Land Uses at Federal Airfields"	Title 24 CFR 51 Subpart B

1. What activities does your project involve? Check all that apply:

New construction for residential use

✓ Rehabilitation of an existing residential property

NOTE: For major or substantial rehabilitation in Normally Unacceptable zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. For major rehabilitation in Unacceptable zones, HUD strongly encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.

A research demonstration project which does not result in new construction or reconstruction

An interstate land sales registration

Any timely emergency assistance under disaster assistance provision or appropriations which are provided to save lives, protect property, protect public health and safety, remove debris and wreckage, or assistance that has the effect of restoring facilities substantially as they existed prior to the disaster
None of the above

4**. Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).**

Indicate the findings of the Preliminary Screening below:

✓ There are no noise generators found within the threshold distances above.

Based on the response, the review is in compliance with this section. Document and upload a map showing the location of the project relative to any noise generators below.

Noise generators were found within the threshold distances.

Screen Summary

Compliance Determination

There are no applicable busy roads or highways within 1,000 feet of the site. There are no active railroads within 3,000 feet of the site. There are three airports within 15 miles (Metro Airport, Detroit City Airport, and Windsor International Airport); however, the site is outside of predicted noise exposure areas for each airport. Even though there are no noise concerns, the project will include the installation of double-paned windows and the change of exterior doors from steel to fiberglass. The project is in compliance with HUD's Noise regulation (Attachment K).

Supporting documentation

Attachment K - Noise Worksheet.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Sole Source Aquifers

General requirements	Legislation	Regulation
The Safe Drinking Water Act of 1974 protects drinking water systems which are the sole or principal drinking water source for an area and which, if contaminated, would create a significant hazard to public health.	Safe Drinking Water Act of 1974 (42 U.S.C. 201, 300f et seq., and 21 U.S.C. 349)	40 CFR Part 149

1. Does the project consist solely of acquisition, leasing, or rehabilitation of an existing building(s)?

✓ Yes

Based on the response, the review is in compliance with this section.

No

Screen Summary

Compliance Determination

There are no sole source aquifers in the state of Michigan. Therefore, the project will not impact a sole source aquifer (Attachment L).

Supporting documentation

Attachment L - Sole Source Aquifer.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Wetlands Protection

General requirements	Legislation	Regulation
Executive Order 11990 discourages direct or indirect support of new construction impacting wetlands wherever there is a practicable alternative. The Fish and Wildlife Service's National Wetlands Inventory can be used as a primary screening tool, but observed or known wetlands not indicated on NWI maps must also be processed Off-site impacts that result in draining, impounding, or destroying wetlands must also be processed.	Executive Order 11990	24 CFR 55.20 can be used for general guidance regarding the 8 Step Process.

1. Does this project involve new construction as defined in Executive Order 11990, expansion of a building's footprint, or ground disturbance? The term "new construction" shall include draining, dredging, channelizing, filling, diking, impounding, and related activities and any structures or facilities begun or authorized after the effective date of the Order

✓ No

Based on the response, the review is in compliance with this section.

Yes

Screen Summary

Compliance Determination

Areas potentially associated with wetlands were not observed on the site during the site reconnaissance. In addition, review of the National Wetlands Inventory (NWI) Map from the U.S. Fish and Wildlife Service and the EGLE Wetlands Map Viewer, did not identify any wetlands on the site (Attachment M).

Supporting documentation

Attachment M - Wetland Map.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Wild and Scenic Rivers Act

General requirements	Legislation	Regulation
The Wild and Scenic Rivers Act provides federal protection for certain free-flowing, wild, scenic and recreational rivers designated as components or potential components of the National Wild and Scenic Rivers System (NWSRS) from the effects of construction or development.	The Wild and Scenic Rivers Act (16 U.S.C. 1271-1287), particularly section 7(b) and (c) (16 U.S.C. 1278(b) and (c))	36 CFR Part 297

1. Is your project within proximity of a NWSRS river?

✓ No

Yes, the project is in proximity of a Designated Wild and Scenic River or Study Wild and Scenic River.
Yes, the project is in proximity of a Nationwide Rivers Inventory (NRI) River.

Screen Summary

Compliance Determination

The National Wildlife and Scenic Rivers System map (maintained and managed by the Bureau of Land Management, National Park Service, U.S. Fish and Wildlife Service and U.S. Forest Service) was reviewed to determine if the property is within a wild and scenic river area. There are no wild and scenic rivers located within the City of Detroit or Wayne County (Attachment N).

Supporting documentation

Attachment N - Wild and Scenic Rivers.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No

Environmental Justice

General requirements	Legislation	Regulation
Determine if the project creates adverse environmental impacts upon a low-income or minority community. If it does, engage the community in meaningful participation about mitigating the impacts or move the project.	Executive Order 12898	

HUD strongly encourages starting the Environmental Justice analysis only after all other laws and authorities, including Environmental Assessment factors if necessary, have been completed.

1. Were any adverse environmental impacts identified in any other compliance review portion of this project's total environmental review?

Yes

✓ No

Based on the response, the review is in compliance with this section.

Screen Summary

Compliance Determination

This project will not have a disproportionately high adverse affect on human health or environment of minority populations and/or low-income populations. This project entails renovation/rehabilitation of the subject buildings. This project is intended to improve the present environment of low-income citizens (Attachment O).

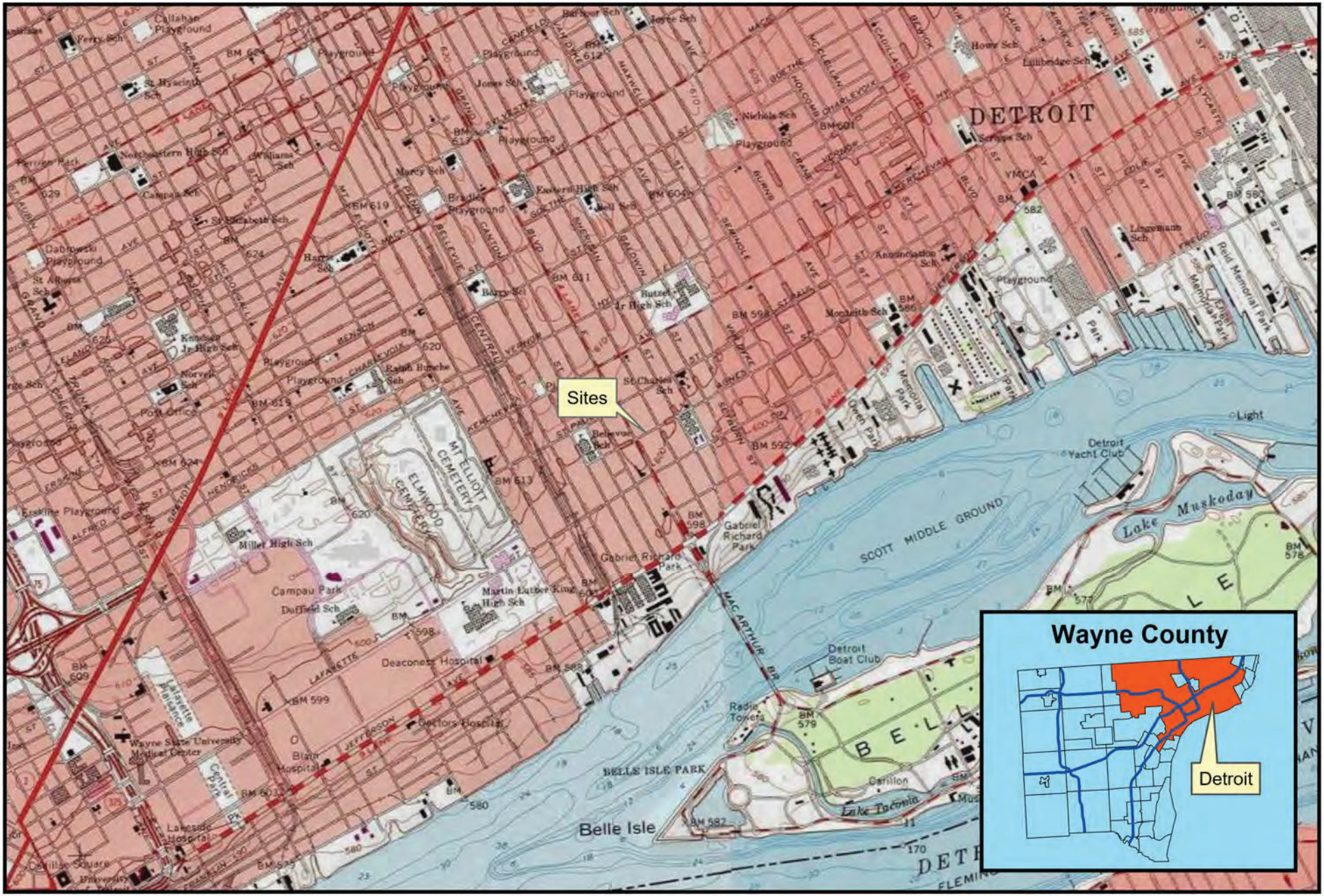
Supporting documentation

Attachment O - EJ Screen.pdf

Are formal compliance steps or mitigation required?

Yes

✓ No



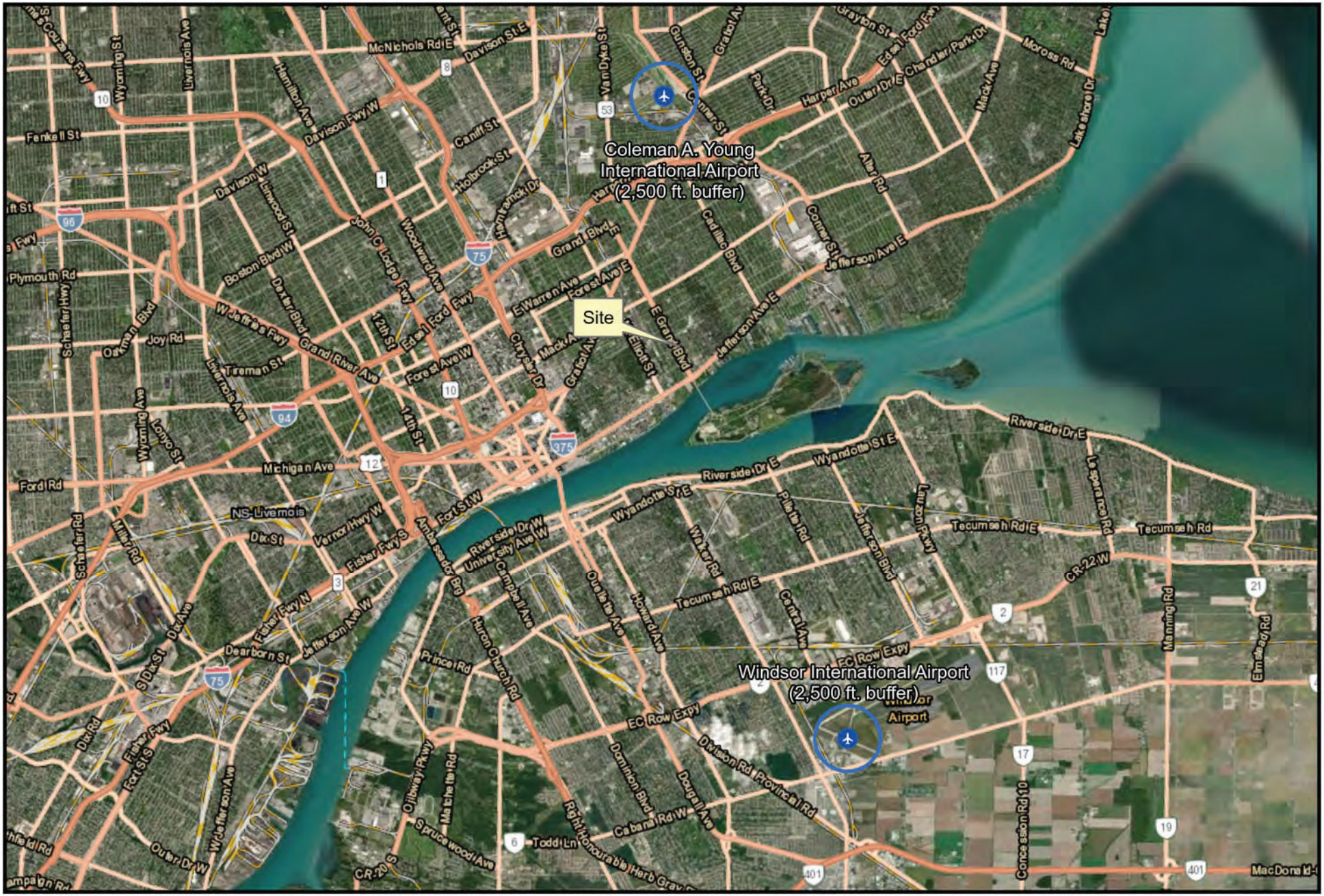
Field St. and E. Grand Blvd.

Detroit, MI

ASTI Environmental

Created for: Field Street III LDHA LLC
Created by: RMH, December 10, 2020, ASTI Project 2-11284

Site Location Map



Field Street III

Field Street and E. Grand Blvd.,
Detroit, MI

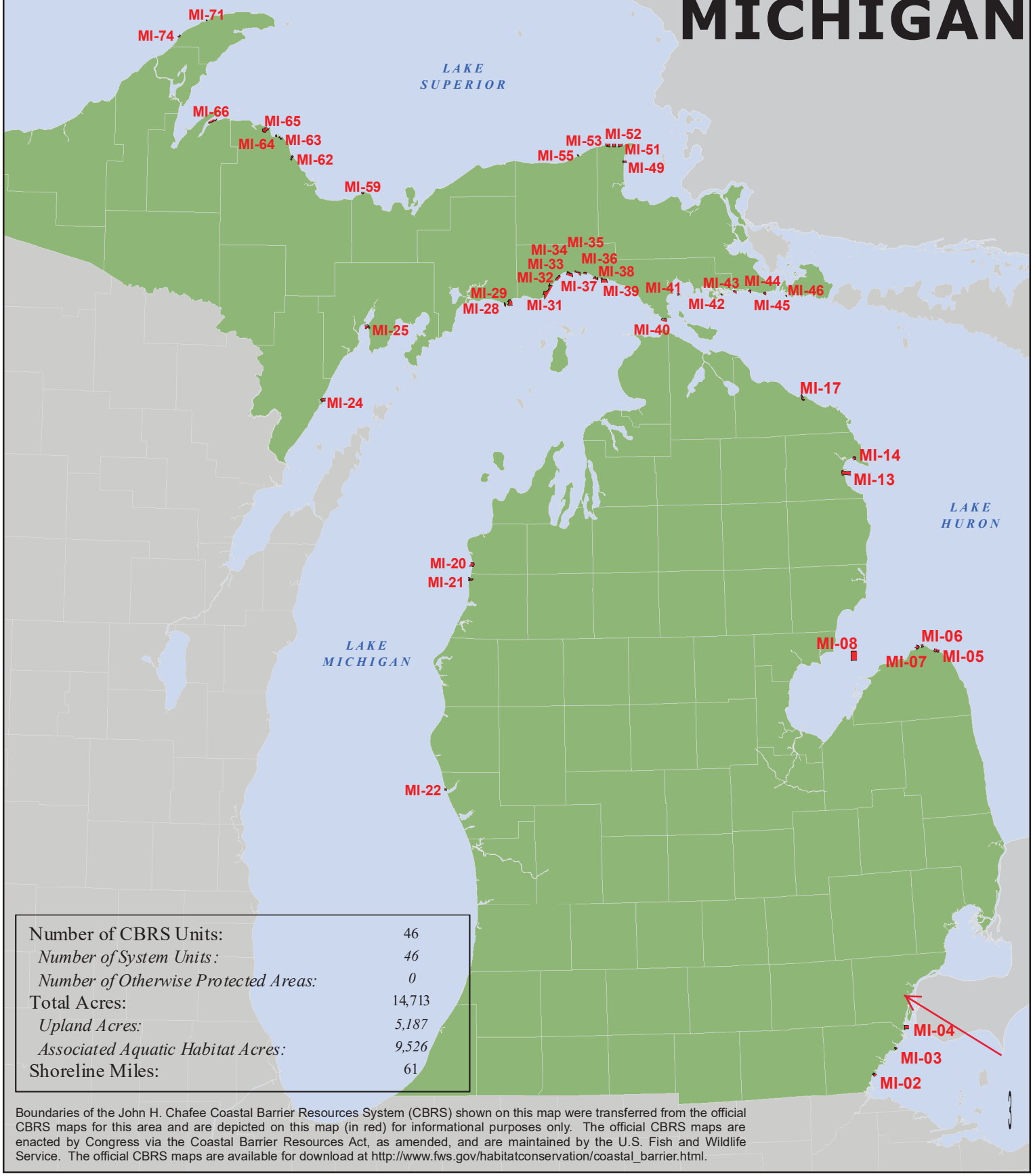
ASTI Environmental

Client: Field Street III LDHA LLC
Created by: RMH, November 10, 2020, ASTI Project 2-11284

Airport Location Map

JOHN H. CHAFEE COASTAL BARRIER RESOURCES SYSTEM

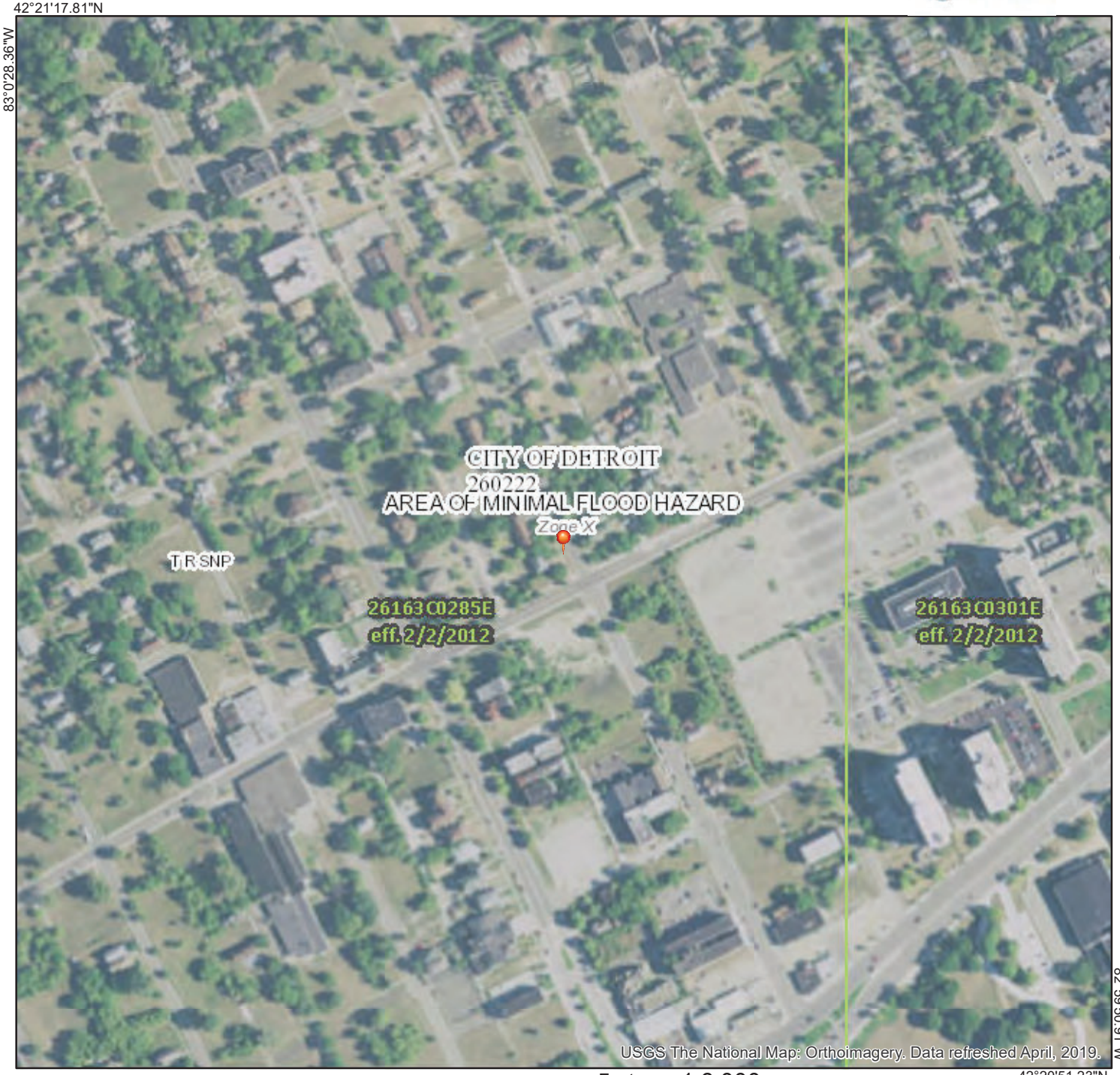
MICHIGAN



Number of CBRS Units:	46
Number of System Units:	*46*
Number of Otherwise Protected Areas:	*0*
Total Acres:	14,713
Upland Acres:	*5,187*
Associated Aquatic Habitat Acres:	*9,526*
Shoreline Miles:	61

Boundaries of the John H. Chafee Coastal Barrier Resources System (CBRS) shown on this map were transferred from the official CBRS maps for this area and are depicted on this map (in red) for informational purposes only. The official CBRS maps are enacted by Congress via the Coastal Barrier Resources Act, as amended, and are maintained by the U.S. Fish and Wildlife Service. The official CBRS maps are available for download at http://www.fws.gov/habitatconservation/coastal_barrier.html.

National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT

SPECIAL FLOOD HAZARD AREAS
- Without Base Flood Elevation (BFE) *Zone A, V, A99*
- With BFE or Depth *Zone AE, AO, AH, VE, AR*
- Regulatory Floodway

OTHER AREAS OF FLOOD HAZARD
- 0.2% Annual Chance Flood Hazard, Areas of 1% annual chance flood with average depth less than one foot or with drainage areas of less than one square mile *Zone X*
- Future Conditions 1% Annual Chance Flood Hazard *Zone X*
- Area with Reduced Flood Risk due to Levee. See Notes. *Zone X*
- Area with Flood Risk due to Levee *Zone D*

OTHER AREAS
- NO SCREEN Area of Minimal Flood Hazard *Zone X*
- Effective LOMRs
- Area of Undetermined Flood Hazard *Zone D*

GENERAL STRUCTURES
- Channel, Culvert, or Storm Sewer
- Levee, Dike, or Floodwall

OTHER FEATURES
- 20.2 / 17.5 Cross Sections with 1% Annual Chance / Water Surface Elevation
- Coastal Transect
- Base Flood Elevation Line (BFE)
- Limit of Study
- Jurisdiction Boundary
- Coastal Transect Baseline
- Profile Baseline
- Hydrographic Feature

MAP PANELS
- Digital Data Available
- No Digital Data Available
- Unmapped

N

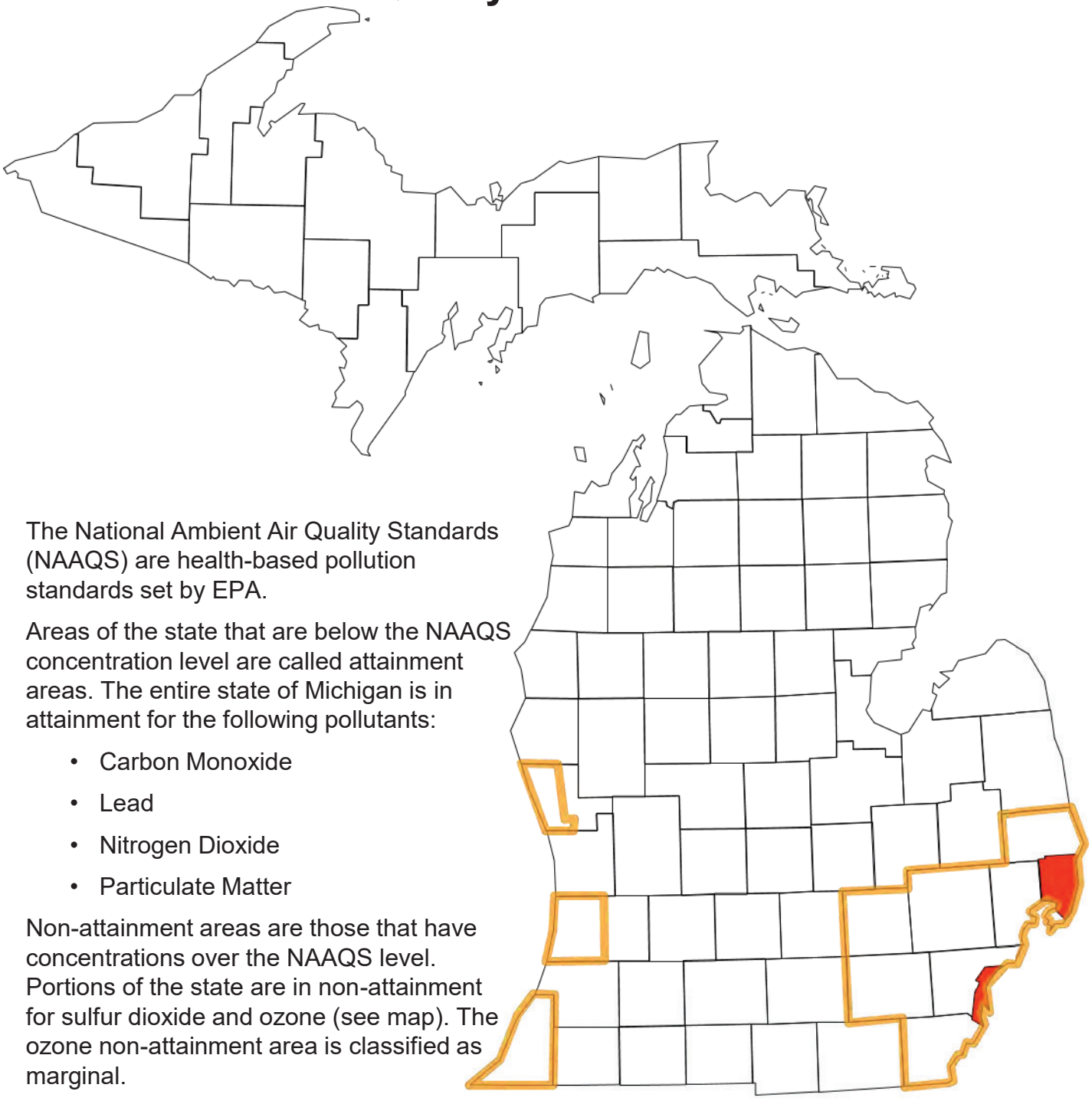
The pin displayed on the map is an approximate point selected by the user and does not represent an authoritative property location.

This map complies with FEMA's standards for the use of digital flood maps if it is not void as described below. The basemap shown complies with FEMA's basemap accuracy standards

The flood hazard information is derived directly from the authoritative NFHL web services provided by FEMA. This map was exported on 10/11/2019 at 10:36:36 AM and does not reflect changes or amendments subsequent to this date and time. The NFHL and effective information may change or become superseded by new data over time.

This map image is void if the one or more of the following map elements do not appear: basemap imagery, flood zone labels, legend, scale bar, map creation date, community identifiers, FIRM panel number, and FIRM effective date. Map images for unmapped and unmodernized areas cannot be used for regulatory purposes.

Attainment Status for the National Ambient Air Quality Standards



The National Ambient Air Quality Standards (NAAQS) are health-based pollution standards set by EPA.

Areas of the state that are below the NAAQS concentration level are called attainment areas. The entire state of Michigan is in attainment for the following pollutants:

- Carbon Monoxide
- Lead
- Nitrogen Dioxide
- Particulate Matter

Non-attainment areas are those that have concentrations over the NAAQS level. Portions of the state are in non-attainment for sulfur dioxide and ozone (see map). The ozone non-attainment area is classified as marginal.

LEGEND

Sulfur Dioxide Nonattainment Area

Ozone Nonattainment Area

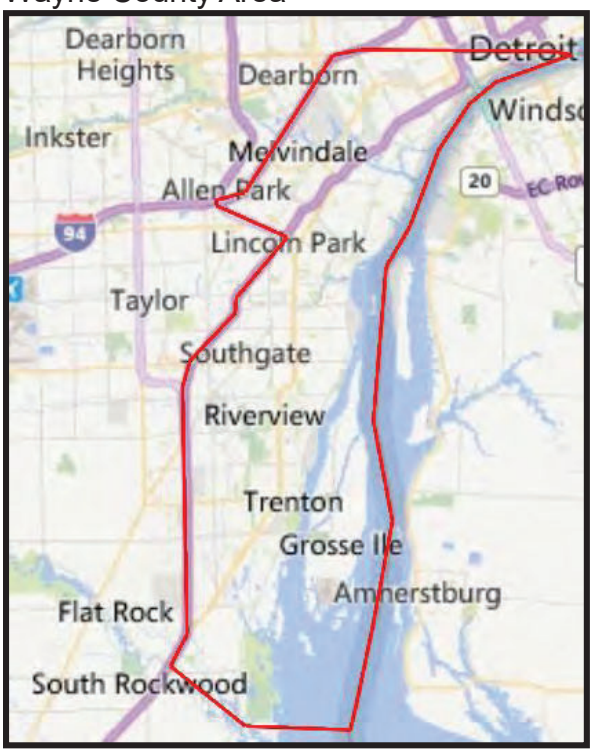
See Page 2 for close-up maps of partial county nonattainment areas

Updated July 23, 2019
Prepared by MDEQ, Air Quality Division, State Implementation Plan Unit

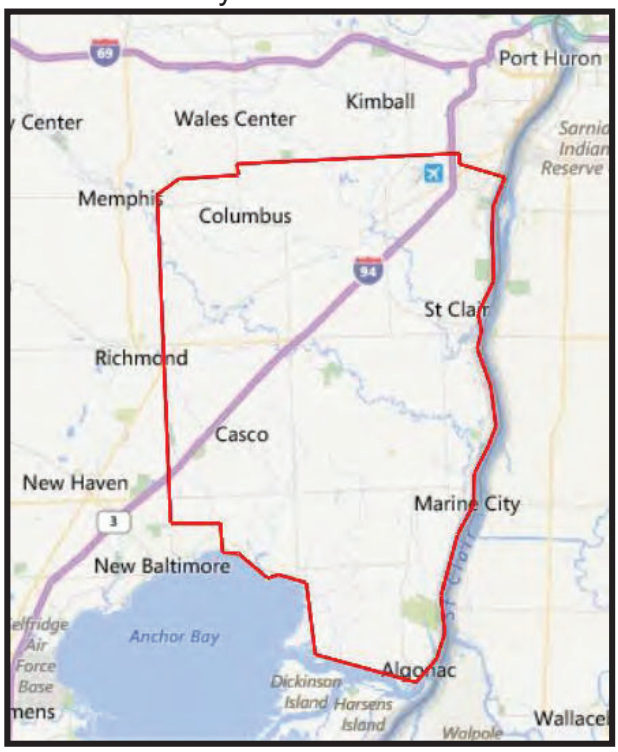
Close-Up Maps of Partial County Nonattainment Areas

Sulfur Dioxide Nonattainment Areas

Wayne County Area

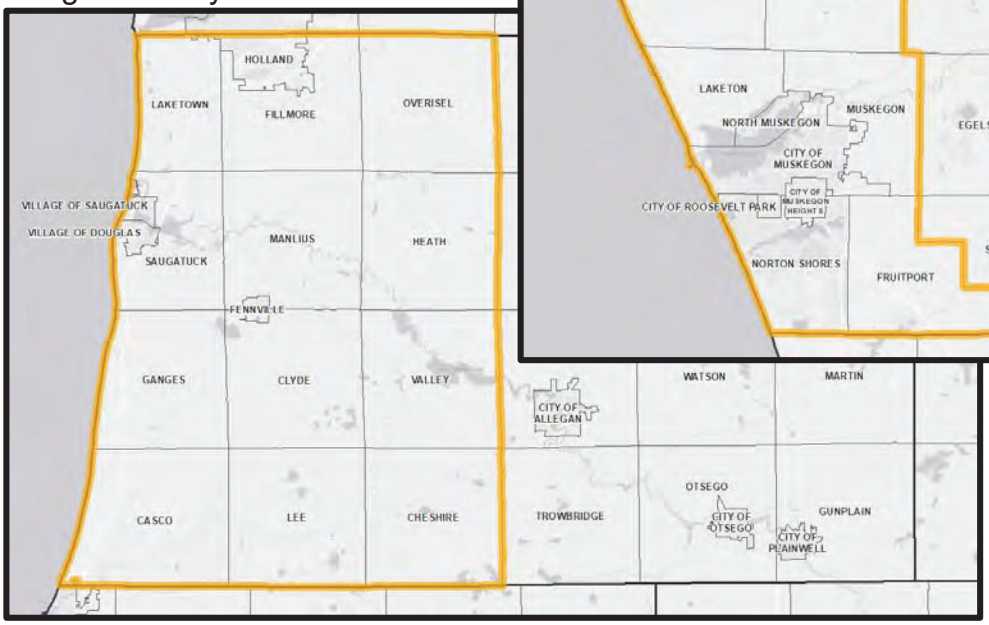


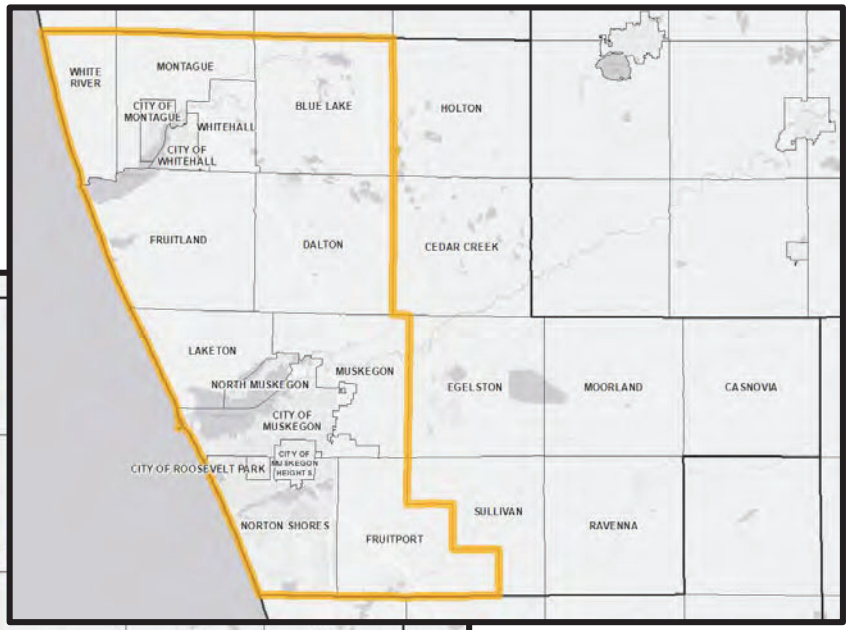
St. Clair County Area



Ozone Nonattainment Areas

Allegan County Area





Muskegon County Area

Updated July 23, 2019

Prepared by MDEQ, Air Quality Division, State Implementation Plan Unit

Wayne County
Grosse Point Township, Grosse Point Woods, Grosse Point Farms
Grosse Point, Grosse Point Park, and Detroit, T1S R14E
Detroit, T1S R14E, T2S R13E, andT2S R12E
River Rouge, T2S R11E

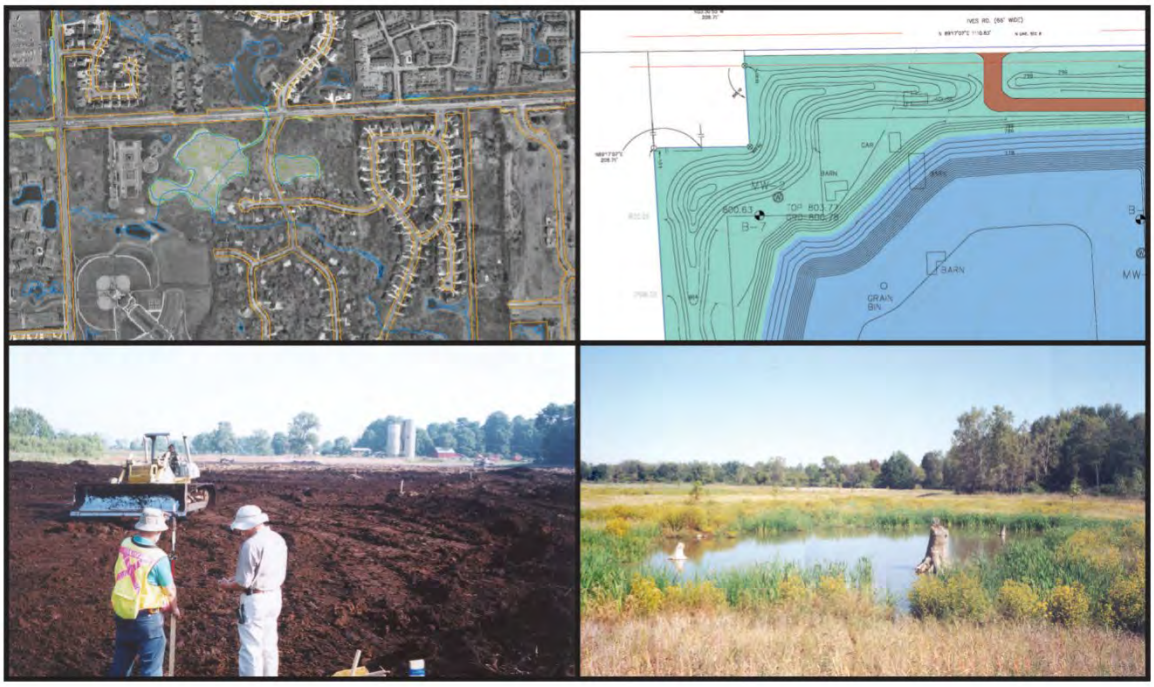
The heavy red line is the ***Coastal Zone Management Boundary***
The red hatched area is the ***Coastal Zone Management Area***.

Asbestos-Containing Materials Inspection
Field Street and East Grand Boulevard Properties
Detroit, Michigan

Field Street III LDHA, LLC

September 24, 2020

ASTI ENVIRONMENTAL



ASTI ENVIRONMENTAL

Asbestos-Containing Materials Inspection
Field Street and East Grand Boulevard Properties
Detroit, Michigan

September 24, 2020

Report Prepared For:

Field Street III LDHA, LLC
32600 Telegraph Road Suite 102
Bingham Farms, Michigan 48025

Report Prepared By:

ASTI Environmental
10448 Citation Drive, Suite 100
Brighton, Michigan 48116
1-800-395-ASTI

ASTI Project No. 3-11284

Report Prepared by:

Jelaine Tinsley
Asbestos Inspector (A16395)

Report Reviewed by:

David A. Amir, EP
Director-Site Redevelopment Services

ENVIRONMENTAL

TABLE OF CONTENTS

Executive Summary

ASTI Environmental (ASTI) was retained by Field Street III LDHA, LLC to conduct an asbestos-containing materials (ACM) inspection of the buildings located on Field Street and East Grand Boulevard, Detroit, Michigan (Subject Property). ASTI's scope of work included sampling of suspect ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M.

The structures inspected consists of 17 residential buildings containing 50 apartments. The inspected addresses includes:

1) 1005 - 1007 Field Street
2) 1014 - 1016 Field Street
3) 1023, 1025, 1027, 1029, 1031 Field Street
4) 1045, 1047, 1049, 1051 Field Street
5) 1065, 1067 Field Street
6) 1070, 1074 Field Street
7) 1083, 1085, 1091, 1093 Field Street
8) 1090 - 1094 Field Street
9) 1100, 1104, 1108 Field Street
10) 1448 – 1452 Field Street
11) 1458 – 1462 Field Street
12) 1470 – 1474 Field Street
13) 1481 – 1485 Field Street
14) 1491 – 1495 Field Street
15) 232 East Grand Boulevard apartments: B-1, 101, 102, 201, and 202
16) 236, 238, 242, 248 East Grand Boulevard
17) 240, 244, 246, 250 East Grand Boulevard

Based on the inspection conducted by ASTI on September 2-9, 2020, none of the materials sampled in the buildings listed above were identified as ACM.

Presumed Asbestos-Containing Materials

During completion of the survey, several materials were identified as potential ACMs, however, due to the destructive nature of sampling required; these materials were not sampled at this time and should be considered as presumed asbestos-containing materials (PACMs) until they can be sampled. The following PACMs were identified during the site inspection.

Presumed Asbestos-Containing Materials Summary

MATERIAL	LOCATION	ESTIMATED QUANTITY
Roofing Materials	232 East Grand Boulevard Roof	Not Quantified
Bathtub undercoating	In each apartment	50 bathtubs
Fire Door and Frames Sets	Throughout 232 East Grand Boulevard Building	10 Sets

According to classification guidelines set forth in NESHAP, the roofing is classified as a Category I non-friable ACM. The roofing appeared to be in good condition and in its current

condition represents minimal risk of fiber release However, as demolition or renovation would disturb this material; ASTI recommends additional testing of the roofing materials prior to disturbance or assume the roofing is an ACM and be removed by a licensed abatement contractor.

According to classification guidelines set forth in NESHAP, the fire-door sets and bathtub undercoating are assumed to contain asbestos and are classified as Category II non-friable ACMs. Until testing of these materials is completed, they should be treated as Category II non-friable ACMs.

1.0 INTRODUCTION

ASTI Environmental (ASTI) was retained by Field Street III LDHA, LLC to conduct an asbestos-containing materials (ACM) inspection at Field Street and East Grand Boulevard, Detroit, Michigan (Subject Property). Refer to the attached Site Location Map for the approximate location of the Subject Property. The information and opinions rendered in this report are prepared for the benefit of Field Street III LDHA, LLC; and MSHDA, ASTI acknowledges that said parties may rely upon the contents and conclusions presented in this report. The services provided by ASTI in completing this assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties expressed or implied are made.

2.0 LIMITATION AND EXCEPTIONS

ASTI's scope of work included sampling of suspect homogeneous ACMs in general conformance with the National Emission Standards for Hazardous Air Pollutants (NESHAP) 40 CFR Part 61 Subpart M and ASTM E2356-10 Standard Practice for Comprehensive Building Asbestos Surveys. Suspect materials not identified within this report may be encountered in inaccessible wall cavities, chases, floor cavities, etc. during demolition activities. These materials must be presumed to be ACM until they can be sampled and analyzed for asbestos content.

Due to the destructive nature of sampling, ASTI did not sample the roofing materials, fire doors or bathtub undercoating's.

3.0 SUBJECT PROPERTY DESCRIPTION

Building Descriptions						
#	Building Type	Primary Use	Functional Spaces	# Present	Built Date	Stories
1	Apartment (232 East Grand Boulevard)	Residential	Bedrooms, kitchens, bathrooms, hallways, stairwells, basements, maintenance storage, mechanical room	1	1908	2
2	Townhomes	Residential	Bedrooms, kitchens, bathrooms, hallways, stairwells, basements	16	1992-1997	2

Building Construction			
#	Square Footage	Primary Construction	Interior Finishes
1	4,526 Apartment (232 East Grand Boulevard)	Concrete foundation, full basement, brick walls, wood frame, flat roof	Drywall, plaster, wood, paint, Pergo, ceramic
2	2,160-6,248	Concrete foundation, full basement, wood frame, gable roof	Drywall, paint, vinyl, wood trim, carpet, ceramic, Pergo

4.0 ASBESTOS-CONTAINING MATERIALS INSPECTION

Jelaine Tinsley (Asbestos Inspector No. A16395) and John Schuitema (Asbestos Inspector No. A51781) of ASTI's Site Redevelopment Services Group conducted the ACM inspection of the Subject Property located on Field Street and East Grand Boulevard, Detroit, Michigan on September 2-9, 2020. Copies of Ms. Tinsley's and Mr. Schuitema's resumes and asbestos accreditations are provided in Appendix A.

4.1 Previous Asbestos-Containing Materials Inspections

ASTI is not aware of any previous ACM inspections of the Subject Property.

4.2 Asbestos Inspection Methodology

ASTI's scope of work included sampling of suspect ACMs in accordance with the AHERA and NESHAP protocols. The survey included a visual inspection of the building in order to identify homogeneous areas of suspect surfacing materials, thermal system insulation, and miscellaneous materials, as well as the sampling of suspect friable and non-friable materials. The following definitions from 40 CFR Part 763 are provided below.

Asbestos-Containing Material (ACM): *any material or product which contains more than one percent asbestos.*

Surfacing Materials (SM): *material that is troweled-on, sprayed-on or otherwise applied to surfaces for acoustical, fireproofing or other purposes.*

Thermal System Insulation (TSI): *material applied to pipes, fittings, boilers, breeching, tanks, ducts, or other interior components to prevent heat loss or gain, or water condensation or for other purposes.*

Miscellaneous Materials (MM): *interior building material on structural components, structural members or fixtures such as floors and ceilings and does not include surfacing material or thermal system insulation.*

Friable: *material that when dry, may be crumbled pulverized or reduced to powder by hand pressure, and includes previously non-friable material after such previously non-friable material becomes damaged to the extent that when dry it may be crumbled, pulverized or reduced to powder by hand pressure.*

Non-friable: *material which when dry may not be crumbled, pulverized or reduced to powder by hand pressure.*

Homogeneous areas (HAs): *an area of surfacing material, thermal system insulation, or miscellaneous material that is uniform in color and texture.*

4.3 Sample Collection

Samples were collected by physically removing a small piece of suspect material and placing it in a marked plastic bag. Samples were collected using wet methods, as appropriate. The sample collection tool was cleaned prior to each use to avoid cross-contamination of samples. ASTI sampled a variety of materials for asbestos testing. The material types sampled are listed below.

Field Street Addresses

- Vibration Dampener
- Drywall and joint compound
- Sink undercoat
- Linoleum
- Caulk (various types)
- Grout
- Cove base
- 12”x12” floor tile (various types)
- Roofing

East Grand Boulevard Addresses

- Vibration Dampener
- Drywall and joint compound
- Sink undercoat
- Linoleum
- Caulk (various types)
- Grout
- Cove base
- 12”x12” floor tile (various types)
- Mortar
- Roofing
- Plaster (only at 232 East Grand Boulevard)

ASTI collected 417 bulk samples from the suspect ACMs. A total of 670 sample layers were analyzed. The bulk samples were transmitted under chain-of-custody protocol to APEX

Research Inc. in Whitmore Lake, Michigan for asbestos analysis using polarized light microscopy with dispersion staining (PLM/DS) in accordance with the US Environmental Protection Agency's (US EPA's) "Interim Method for the Determination of Asbestos in Bulk Building Materials" (EPA 600/R-93/116, June 1993). Sample results are presented in the attached Table 1.

4.4 Laboratory Analytical Results

Building materials identified to contain greater than 1% asbestos are defined as ACMs. Review of the asbestos test results revealed that none of the materials sampled were identified as ACM.

A comprehensive list of sampled materials with analytical results is provided as Table 1. Copies of the laboratory data sheets, along with the chain-of-custodies are included in Appendix B.

4.5 Presumed Asbestos-Containing Materials

During completion of the survey, several materials were identified as potential ACMs, however, due to the destructive nature of sampling required; these materials were not sampled at this time and should be considered as presumed asbestos-containing materials (PACMs) until they can be sampled. The following PACMs were identified during the site inspection.

Presumed Asbestos-Containing Materials Summary

MATERIAL	LOCATION	ESTIMATED QUANTITY
Roofing Materials	232 East Grand Boulevard Roof	Not Quantified
Bathtub undercoating	In each apartment	50 bathtubs
Fire Door and Frames Sets	Throughout 232 East Grand Boulevard Building	10 Sets

5.0 CONCLUSIONS AND RECOMMENDATIONS

Based on the inspection conducted by ASTI on September 2-9, 2020, no asbestos was identified in the building materials sampled.

Presumed Asbestos-Containing Materials

During completion of the inspection, several materials were identified as potential ACMs, however, due to the destructive nature of sampling required; these materials were not sampled at this time and should be considered as presumed asbestos-containing materials (PACMs) until they can be sampled. The following PACMs were identified during the site inspection.

Presumed Asbestos-Containing Materials Summary

MATERIAL	LOCATION	ESTIMATED QUANTITY
Roofing Materials	232 East Grand Boulevard Roof	Not Quantified
Bathtub undercoating	In each apartment	50 bathtubs
Fire Door and Frames Sets	Throughout 232 East Grand Boulevard Building	10 Sets

According to classification guidelines set forth in NESHAP, the roofing is classified as a Category I non-friable ACM. The roofing appeared to be in good condition and in its current condition represents minimal risk of fiber release However, as demolition or renovation would disturb this material; ASTI recommends additional testing of the roofing materials prior to disturbance or assume the roofing is an ACM and be removed by a licensed abatement contractor.

According to classification guidelines set forth in NESHAP, the fire door and frame sets and bathtubs are assumed to contain asbestos and are classified as Category II non-friable ACMs. Until testing of these materials is completed, they should be treated as Category II non-friable ACMs.

Figures

Site Location Map
Site Features Map 1
Site Features Map 2

Field St. and E. Grand Blvd. Detroit, MI

2,000 1,000 0 2,000 Feet

N

ASTI Environmental

Created for: Field Street III LDHA, LLC
Created by: RMH, September 21, 2020, ASTI Project 3-11284

Site Location Map

Service Layer Credits: World Imagery: GeoEye, Maxar

Field St. and E. Grand Blvd.

Detroit, MI

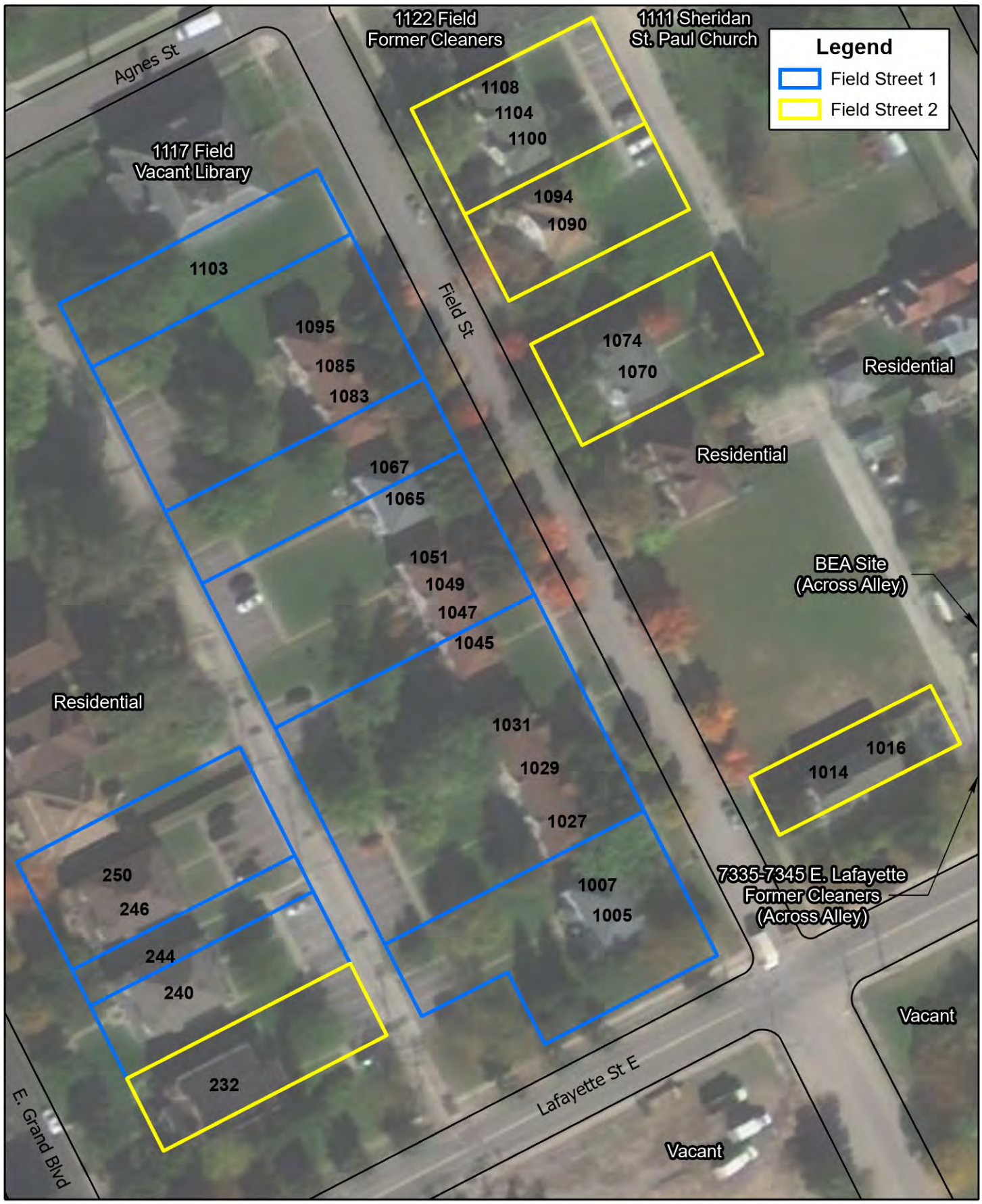
0 25 50 100 Feet

N

ASTI Environmental

Client: Field Street III LDHA LLC
Created by: RMH, September 21, 2020, ASTI Project 3-11284

Site Features Map 1



Service Layer Credits: World Imagery: GeoEye, Maxar

Field St. and E. Grand Blvd.

Detroit, MI

0 25 50 100 Feet

N

ASTI Environmental

Client: Field Street III LDHA LLC
Created by: RMH, September 21, 2020, ASTI Project 3-11284

Site Features Map 2

Appendix A

Resumes and Accreditations

JELAINE D. TINSLEY
Environmental Professional

PROFILE

Certifications/Licenses

NIOSH 582-Equivalent Course Sampling and Analysis of Airborne Asbestos Fibers
OSHA 29 CFR 1910.120 HAZWOPER 40-Hour and 8-Hour Refresher (2019)
Asbestos Inspector-Michigan (License No. A16395)
Asbestos Inspector-Illinois (License No. 100-19756)
Asbestos Inspector-Indiana (License No. 19A007625)
Asbestos Hazard Evaluation Specialist-Ohio (License No.ES36108)
Asbestos Project Designer-Michigan (License No. A16395)
Certified Confined Space Entrant and Attendant
American Red Cross First Aide and Adult CPR Certified
ASTM Certification in RBCA Applied at Petroleum Release Sites
Bituminous Testing Technician
Michigan Provisional Teaching Certificate

Education

Western Michigan University, B.S., Earth Science and Education

Experience History

Environmental Professional, ASTI ENVIRONMENTAL
Project Manager, Yeoman Group
Project Manager, A&F Environmental
Environmental Consultant, DLZ Corporation
Environmental Consultant, AKT Peerless
Geologist, ATC Associates
Geologist, NUS Corporation
Teacher, Detroit Public Schools
Staff Scientist, CTI and Associates, Inc.

Professional Memberships and Service

Michigan Association of Environmental Professionals (MAEP)
Commercial Real Estate Women Detroit (CREW)

Professional Background

Ms. Tinsley has more than 29 years experience in the environmental industry in a variety of areas including Phase I environmental site assessments (ESAs), Phase II ESAs, baseline environmental assessments (BEAs), subsurface investigations (soil and groundwater testing), soil and groundwater evaluations, asbestos, and mold inspections, abatement oversight and specification development. Ms. Tinsley has also coordinated numerous hazardous material and pre-demolition surveys which included evaluations of asbestos, mold, radon and universal wastes for municipal, commercial and industrial facilities.

Years Experience:

5 --- ASTI
25 --- other Firms

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments
Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial) to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances. Responsibilities included the preparation and/or review of ASTM Phase I and Phase II ESAs, Baseline Environmental Assessments (BEAs), and Due Care Plans. Ms. Tinsley has experience working in Michigan, Illinois, Indiana, Ohio, Kentucky, Tennessee, Georgia, Alabama, Mississippi, and Florida. Ms. Tinsley also has performed listing site evaluations for a dedicated contactor to the US EPA. Ms. Tinsley is also knowledgeable with All Appropriate Inquiries (AAI) per 40 CFR Part 312 and meets the requirements of an Environmental Professional per AAI.

Customer Training
Provided training for financial institutions on the types properties that should have environmental evaluations.

Vapor Intrusion Evaluation, Jackson, Michigan
Conducted vapor intrusion studies at commercial properties to assess potential vapor migration. Scope of work included coordination of vapor intrusion points, vapor sample collection and coordination of chemical testing.

CONSTRUCTION TESTING

Conducted construction material analysis which included soil proctors, soil sieve analysis, asphalt extractions, concrete stress testing

ASBESTOS INSPECTIONS AND ABATEMENT COORDINATION/OVERSIGHT

Responsible for asbestos program management including coordination and technical lead for hazardous material surveys, asbestos and mold related testing activities.

Asbestos Inspections, City of Detroit Neighborhood Redevelopment Project
Inspector of asbestos hazards at over 300 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Detroit with findings and compliance requirements.

Asbestos Inspections, City of Inkster Neighborhood Redevelopment Project
Conducted asbestos inspections at over 100 residential and commercial properties. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

Large Hotel Detroit, Michigan
Inspected the hotel property as part of a team. Collected samples, reviewed laboratory analysis and provided client a report of methods and findings. Performed oversight of ACM abatement.

Medical Complex Kalamazoo, Michigan
Responsible for coordination of field activities for the ACM abatement of the complex. Conducted schedule and strategy meetings.

Hotel Detroit, Michigan
Inspected the hotel property. Collected samples, reviewed laboratory analysis and provided client a report of methods and findings.

Former Coal Power Plant
Conducted a thorough asbestos inspection of an inactive multi-building coal power plant in Detroit, Michigan. Collected samples, performed thorough photo documentation and quantification of all ACMs in the power plant and supporting buildings.

UNDERGROUND STORAGE TANKS AND PETROLEUM REMEDIATION PROJECT

Commercial Development Royal Oak, Michigan
Coordinated the remediation of a former gasoline service Station, during site development for a commercial company. Work included Phase I ESA and Phase II site investigation to evaluate USTs and hoists onsite, as well as coordinating a GPR survey for additional USTs on site, BEA and Due Care Plan. Assisted with the development bid specifications for site remediation activities including UST and hoist removal, soil remediation and asbestos abatement. Coordinated the removal of five (5) USTs, one in-ground hoist, 300,000 cubic yards of petroleum-impacted soils.

CONTACT INFORMATION

Ms. Tinsley can be reached at ASTI Environmental (ASTI), 10448 Citation Drive, Suite 100, Brighton, MI 48116, or by calling 810.225.2800 (Toll-Free 800.395.ASTI). Her email address is jtinsley@asti-env.com. More information about ASTI is available on the web at www.asti-env.com.

State of Michigan

Department of Licensing and Regulatory Affairs

Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

Jelaine D. Tinsley
9584 Cooley Lake Road
White Lake, MI 48386

Accreditation Number
A16395

Expiration Date
09/26/2020

DOB: 07/07/1962

This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.

Accreditation card is not valid if altered

142489

Your accreditation card is valid for a period of one year, as indicated by the expiration date on the card. Your card must be present on any project site where you are conducting asbestos-related work. If a replacement card is needed, the replacement fee will be $25.00.

All questions regarding your accreditation should be directed to 517-284-7698.

Cardholder's Signature — Not valid unless signed.

Jelaine Tinsley

Please visit our website at. ***www.michigan.gov/asbestos***

16395-142489

Information contained in the bar code is limited to ID# and control#.

If found please return to:
MIOSHA - Asbestos Program
530 West Allegan Street
P.O. Box 30671
Lansing, MI 48933

MIOSHA-CSH-269 (03/18)
Authority: Michigan Public Act 440 of 1988, as amended

81672

JOHN F. SCHUITEMA
Environmental Field Technician

PROFILE

Certifications
Asbestos Inspector (A51781)
Michigan Lead Inspector/Risk Assessor (P-07409)
ICC Property Maintenance Inspector
ICC Zoning Inspector
40-Hour OSHA HAZWOPER Training
8-Hour OSHA HAZWOPER Refresher

Education
Lead Inspector/Risk Assessor Training
Asbestos Awareness Training
Lead Awareness Training
Asbestos Inspector Training

Experience History
Field Technician, ASTI ENVIRONMENTAL
Government

Professional Background
Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL
3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments
Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments, Flint Housing Commission
Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan
Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Inkster with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan
Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan
Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan
Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan
Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan
Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.


State of Michigan
Department of Labor and Economic Opportunity
Michigan Occupational Safety & Health Administration - Asbestos Program
Asbestos Inspector
John F. Schuitema
6790 Hinchey Road
Pinckney, MI 48169
Accreditation Number
A51781
Expiration Date
02/27/2021
DOB: 06/17/1981
This individual has satisfactorily met or exceeded the requirements of Michigan Public Act 440 of 1988, as amended, to be accredited as an Asbestos Inspector.
Accreditation card is not valid if altered
145227

Appendix B

Results of Asbestos Sample Analysis and Chain of Custody

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 01 Cust. #: 1A Material: White Drywall Location: Unit B-1 Closet Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91342 - 01a Cust. #: 1A Material: Joint Compound Location: Unit B-1 Closet Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 02 Cust. #: 1B Material: White Drywall Location: Unit 101 Living Room Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

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Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 02a Cust. #: 1B Material: Joint Compound Location: Unit 101 Living Room Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 03 Cust. #: 2A Material: White Sink Undercoat Location: Unit B-1 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91342 - 04 Cust. #: 2B Material: White Sink Undercoat Location: Unit B-1 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

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Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 05 Cust. #: 3A Material: 12"x12" FT Brown Basket Weave Location: Unit B-1 Living Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 05a Cust. #: 3A Material: Glue Location: Unit B-1 Living Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 05b Cust. #: 3A Material: Beige Floor Tile Location: Unit B-1 Living Room Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

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ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 05c Cust. #: 3A Material: Glue Location: Unit B-1 Living Room Appearance: yellow,nonfibrous,nonhomogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 06 Cust. #: 3B Material: 12"x12" FT Brown Basket Weave Location: Unit B-1 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 06a Cust. #: 3B Material: Glue Location: Unit B-1 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 06b Cust. #: 3B Material: Beige Floor Tile Location: Unit B-1 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 06c Cust. #: 3B Material: Glue Location: Unit B-1 Kitchen Appearance: yellow,nonfibrous,nonhomogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 07 Cust. #: 4A Material: White Caulk Location: Counter Kitchen Unit B-1 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 08 Cust. #: 4B Material: White Caulk Location: Unit 101 Kitchen Counter Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 09 Cust. #: 5A Material: Grey Grout Location: Unit B-1 Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 10 Cust. #: 5B Material: Grey Grout Location: Unit B-1 Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

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Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 11 Cust. #: 6A Material: White Caulk Location: Bathroom B-1 Toilet Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 12 Cust. #: 6B Material: White Caulk Location: Bathroom 101 Sink Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 13 Cust. #: 7A Material: Brown Plank Flooring Faux Wood Location: Unit 101 Living Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 13a Cust. #: 7A Material: Glue Location: Unit 101 Living Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 14 Cust. #: 7B Material: Brown Plank Flooring Faux Wood Location: Unit 101 Closet Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 14a Cust. #: 7B Material: Glue Location: Unit 101 Closet Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 15 Cust. #: 8A Material: 12"x12" FT Brown w/ Diamond Center Location: Unit 201 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 15a Cust. #: 8A Material: Glue Location: Unit 201 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 15b Cust. #: 8A Material: Beige Floor Tile Location: Unit 201 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 15c Cust. #: 8A Material: Mastic Location: Unit 201 Kitchen Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 16 Cust. #: 8B Material: 12"x12" FT Brown w/ Diamond Center Location: Unit 201 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 16a Cust. #: 8B Material: Glue Location: Unit 201 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 16b Cust. #: 8B Material: Beige Floor Tile Location: Unit 201 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 16c Cust. #: 8B Material: Mastic Location: Unit 201 Kitchen Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 17 Cust. #: 9A Material: 12"x12" FT Cream w/ Blue/Tan/Reddish Location: Bldg 232 Entry 1st Fl Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 17a Cust. #: 9A Material: Glue Location: Bldg 232 Entry 1st Fl Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 18 Cust. #: 9B Material: 12"x12" FT Cream w/ Blue/Tan/Reddish Location: Bldg 232 Entry 1st Fl Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 18a Cust. #: 9B Material: Glue Location: Bldg 232 Entry 1st Fl Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 19 Cust. #: 10A Material: Grey Brick Mortar Location: E. Side Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 20 Cust. #: 10B Material: Grey Brick Mortar Location: N. Side Basement Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 21 Cust. #: 11A Material: Black Vibration Dampener Location: Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

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Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 22 Cust. #: 11B Material: Black Vibration Dampener Location: Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91342 - 23 Cust. #: 12A Material: Plaster Grey Rough Coat Location: Basement Exterior East Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91342 - 24 Cust. #: 12B Material: Plaster Grey Rough Coat Location: East Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 25 Cust. #: 12C Material: Plaster Grey Rough Coat Location: Exterior NE Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 26 Cust. #: 13A Material: Brown Caulk Location: Dryer Vent Exterior East Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 27 Cust. #: 13B Material: Brown Caulk Location: Dryer Vent Exterior East Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 28 Cust. #: 14A Material: White Caulk Location: Dryer Vent Exterior East Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 29 Cust. #: 14B Material: White Caulk Location: Dryer Vent Exterior East Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91342 - 30 Cust. #: 15A Material: Caulk Brown Location: Window Caulk Exterior North Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91342
Date Collected: 09/09/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 31 Cust. #: 15B Material: Caulk Brown Location: East Side Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Robert T. Letarte Jr., Laboratory Director

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Apex # **91342** Page **1**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-9-2020
Project: 232 E. Grand Blvd.
Project # 3-112884
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	White drywall + joint compound / unit B-1 closet			
	1B	↓ / unit 101 Living room			
	2A	White sink undercoat / unit B-1 Kitchen			
	2B	↓			
	3A	12"x12" Floor tile, Brown basket weave pattern (2 layers of floor tile) / unit B-1 Livingroom			
	3B	↓ / unit B-1 Kitchen			
	4A	White caulk / counter Kitchen unit B-1			
	4B	↓ / unit 101 Kitchen counter			
	5A	Gray Grout / unit B-1 Bathroom			
	5B	↓			
	6A	White caulk / Bathroom B-1 toilet ~~sink~~			
	6B	↓ / Bathroom 101 sink			

Relinquished By: J. Tinsley
Date: 9-14-2020

RECEIVED
Received By: [signature]
Time/Date: SEP 14 2020

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Revision R4 Date: May/2017

APEX RESEARCH

Apex # **91342** Page **2**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-9-2020
Project: 232 Grand Blvd
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	Brown plank flooring faux wood pattern / Unit 101 Living room			
	7B	↓ / Unit 101 Closet			
	8A	12"x12" floor tile Brown with Diamond center / unit		201 Kitchen	
	8B	↓			
	9A	12"x12" Floor tile cream with blue, tan, reddish, streaks /		232 Building Entry 1st Floor	
	9B	↓			
	10A	Gray Brick mortar / East side Basement			
	10B	↓ / North side Basement			
	11A	Black vibration dampener / Basement			
	11B	↓			
	12A	Plaster Gray rough coat / Basement Exterior /	East		
	12B	↓ / East			

Relinquished By: J. Insley
Date: 9-14-2020
Revision R4 Date: May/2017

RECEIVED
Received By:
Time/Date: SEP 14 2020

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

Apex # **91342** Page **3**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9-9-2020
Project: 232 E. Grand Blvd
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush 24 hour 48 hour (72 hour) Other: _____

Samples received after 3pm logged in next morning

TTP (yes) / no (Test Till Positive)

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____

Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____

Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____

TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	12C	Plaster / Exterior NorthEast			
	13A	Brown caulk / Dryer vent Exterior	East		
	13B	↓			
	14A	White caulk / dryer vent Exterior	East		
	14B	↓			
	15A	Caulk-Brown / Window caulk Exterior	North		
	15B	↓ / East side			

RECEIVED
SEP 14 2020
APEX RESEARCH

Relinquished By: J Tinsley
Date: 9-14-2020

Received By: _____
Time/Date: _____

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Revision R4 Date: May/2017

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91279
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Unit 238 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91279 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Unit 238 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91279 - 03 Cust. #: 2A Material: White Drywall Location: Unit 238 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91279
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 238 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 04 Cust. #: 2B Material: White Drywall Location: Unit 236 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%
Lab ID #: 91279 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 236 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91279
Date Collected: 09/08/20
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Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 05 Cust. #: 3A Material: White Sink Undercoat Location: Unit 238 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91279 - 06 Cust. #: 3B Material: White Sink Undercoat Location: Unit 238 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91279 - 07 Cust. #: 4A Material: 12"x12" Floor Tile, Pink Location: Unit 238 Kitchen Appearance: pink,nonfibrous,nonhomogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 07a Cust. #: 4A Material: Mastic Location: Unit 238 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 07b Cust. #: 4A Material: 12"x12" Floor Tile, White Location: Unit 238 Kitchen Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 07c Cust. #: 4A Material: Mastic Location: Unit 238 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 08 Cust. #: 4B Material: 12"x12" Floor Tile, Pink Location: Dining Room Unit 238 Appearance: pink,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 08a Cust. #: 4B Material: Mastic Location: Dining Room Unit 238 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 08b Cust. #: 4B Material: 12"x12" Floor Tile, White Location: Dining Room Unit 238 Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 08c Cust. #: 4B Material: Mastic Location: Dining Room Unit 238 Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 09 Cust. #: 5A Material: White Counter Caulk Location: Unit 238 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 10 Cust. #: 5B Material: White Counter Caulk Location: Unit 236 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 11 Cust. #: 6A Material: 4" Tan Cove Base Location: Unit 238 1st Fl Bath Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 11a Cust. #: 6A Material: Mastic Location: Unit 238 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 12 Cust. #: 6B Material: 4" Tan Cove Base Location: Unit 238 1st Fl Bath Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 12a Cust. #: 6B Material: Mastic Location: Unit 238 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 13 Cust. #: 7A Material: Grey Grout Location: 2nd Fl Bath Fl Unit 238 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 14 Cust. #: 7B Material: Grey Grout Location: 2nd Fl Bath Fl Unit 238 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 15 Cust. #: 8A Material: White Caulk Location: 2nd Fl Bath Unit 238 Tub Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 16 Cust. #: 8B Material: White Caulk Location: 2nd Fl Bath Unit 238 Sink Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 17 Cust. #: 9A Material: 12"x12" Brown, Grey/Tan Square Location: Unit 238 Entry Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 17a Cust. #: 9A Material: Mastic Location: Unit 238 Entry Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 18 Cust. #: 9B Material: 12"x12" Brown, Grey/Tan Square Location: Unit 238 Entry Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 18a Cust. #: 9B Material: Mastic Location: Unit 238 Entry Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 19 Cust. #: 10A Material: 12"x12" Brown Location: Unit 248 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 19a Cust. #: 10A Material: Mastic Location: Unit 248 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 20 Cust. #: 10B Material: 12"x12" Brown Location: Unit 248 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 20a Cust. #: 10B Material: Mastic Location: Unit 248 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 21 Cust. #: 11A Material: Linoleum Brown w/ Tan Lines Sq. Location: 2nd Fl Bath Unit 242 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%
Lab ID #: 91279 - 22 Cust. #: 11B Material: Linoleum Brown w/ Tan Lines Sq. Location: 2nd Fl Bath Unit 242 Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 23 Cust. #: 12A Material: 6" Cream Cove Base Location: 2nd Fl Bathroom Unit 242 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 23a Cust. #: 12A Material: Mastic Location: 2nd Fl Bathroom Unit 242 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 24 Cust. #: 12B Material: 6" Cream Cove Base Location: 2nd Fl Bathroom Unit 242 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 24a Cust. #: 12B Material: Mastic Location: 2nd Fl Bathroom Unit 242 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 25 Cust. #: 13A Material: White Caulk Location: Window Siding Unit 248 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 26 Cust. #: 13B Material: White Caulk Location: Unit 242 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 27 Cust. #: 14A Material: Grey Mortar Location: Unit 238 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 28 Cust. #: 14B Material: Grey Mortar Location: Unit 238 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91279 - 29 Cust. #: 15A Material: Roofing Black Asphalt Shingle Location: Unit 248 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%

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Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91279 - 30 Cust. #: 15B Material: Roofing Black Asphalt Shingle Location: Unit 248 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Apex # **91279**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Mi 48386
Phone: 810.225.2800 Fax: 810 225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-8-2020
Project: 236-248 E Grand Blvd
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / Damir@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush 24 hour
48 hour 72 hour
Other:
Samples received after 3pm logged in next morning
TTP yes / no (Test Till Positive)

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration dampener / unit 238 Basement			
	1B	↓			
	2A	White Drywall + Joint compound / unit 238			
	2B	↓ / unit 236			
	3A	White sink undercoat / unit 238 Kitchen			
	3B	↓			
	4A	12"x12" Floor tile pink+white checkerboard / unit 238 Kitchen			
	4B	↓ / Dining room unit 238			
	5A	White counter caulk / unit 238			
	5B	↓ / unit 236			
	6A	4" Tan cove base / unit 238 1st Fl Bath			
	6B	↓			

RECEIVED
SEP 10 2020
APEX RESEARCH

Relinquished By: J. Tinsley
Date: 9-10-2020
Received By: ____
Time/Date: ____
Relinquished By: ____
Date: ____
Received By: ____
Time/Date: ____

Apex # **91279** Page **2**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation
City, St., Zip: Brighton, Michigan, 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-8-2020
Project: 236-248 E Grand Blvd
Project # 1-11593
Contact Person: J Tinsley & David Amir
Email: JTinsley@asti-env.com / Damir@asti-env.com

Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush | 24 hour | 48 hour | (72 hour) | Other: | TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	Gray grout / 2nd Fl bath Floor unit 238			
	7B	↓			
	8A	white caulk / 2nd Fl bath unit 238	Tub		
	8B	↓ / 2nd Fl bath unit 238 sink			
	9A	12"x12" Brown, Gray+Tan square pattern	/ unit 238 Entry		
	9B	↓			
	10A	12"x12" Brown (2 Layers) / unit 248 Dining room			
	10B	↓ / unit 248 Dining room			
	11A	Linoleum brown w tan lines square pattern	2nd Fl Bath unit		242
	11B				
	12A	6" Cream Covebase / 2nd Fl Bathroom	unit 242		
	12B	↓			

RECEIVED
SEP 10 2020
APEX RESEARCH

Relinquished By: J Tinsley
Date: 9-10-2020
Received By: 12:45
Time/Date:
Relinquished By:
Date:
Received By:
Time/Date:

Revision R5 Date: Nov/2017

Apex # **91279** Page **3**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, MI 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-8-2020
Project: 236-248 E. Grand Blvd
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush | 24 hour | 48 hour | (72 hour) | Other: | TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	white caulk / window + siding (Exterior) / unit 248			
	13B	↓ / unit 242			
	14A	Gray mortar / unit 238			
	14B	↓			
	15A	Roofing Black Asphalt shingle / unit 248			
	15B	↓			
	[redacted]				
	[redacted]				
	[redacted]				
	[redacted]				
	[redacted]				
	[redacted]				

Relinquished By: J. Tinsley
Date: 9-10-2020
Revision R5 Date: Nov/2017

Received By: ____
Time/Date: ____

Relinquished By: ____
Date: ____

RECEIVED
SEP 10 2020
APEX RESEARCH

Received By: ____
Time/Date: ____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Unit 240 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91280 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Unit 240 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91280 - 03 Cust. #: 2A Material: Drywall Location: Unit 240 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd

Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 240 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 04 Cust. #: 2B Material: Drywall Location: Unit 250 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91280 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 250 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project : 240-250 E. Grand Blvd

Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 05 Cust. #: 3A Material: White Sink Undercoat Location: Unit 240 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91280 - 06 Cust. #: 3B Material: White Sink Undercoat Location: Unit 240 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91280 - 07 Cust. #: 4A Material: Linoleum, Tan, Brown w/ Line Sq. Location: Unit 240 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 25% Fiberglass - 5% Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 07a Cust. #: 4A Material: Floor Tile Location: Unit 240 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 07b Cust. #: 4A Material: Mastic Location: Unit 240 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 08 Cust. #: 4B Material: Linoleum, Tan, Brown w/ Line Sq. Location: Unit 240 Dining Room Appearance: beige,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 25% Fiberglass - 5% Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project : 240-250 E. Grand Blvd

Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 08a Cust. #: 4B Material: Floor Tile Location: Unit 240 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 08b Cust. #: 4B Material: Mastic Location: Unit 240 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 09 Cust. #: 5A Material: 12"x12" FT Dk Brown Faux Stone Location: Unit 240 1st Fl Bath Appearance: black,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 09a Cust. #: 5A Material: Mastic Location: Unit 240 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 09b Cust. #: 5A Material: Floor Tile Location: Unit 240 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 09c Cust. #: 5A Material: Mastic Location: Unit 240 1st Fl Bath Appearance: yellow,nonfibrous,nonhomogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 10 Cust. #: 5B Material: 12"x12" FT Dk Brown Faux Stone Location: Unit 240 1st Fl Bath Appearance: black,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 10a Cust. #: 5B Material: Mastic Location: Unit 240 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 10b Cust. #: 5B Material: Floor Tile Location: Unit 240 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project : 240-250 E. Grand Blvd

Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 10c Cust. #: 5B Material: Mastic Location: Unit 240 1st Fl Bath Appearance: yellow,nonfibrous,nonhomogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 11 Cust. #: 6A Material: 4" Tan Cove Base Location: Unit 240 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 12 Cust. #: 6B Material: 4" Tan Cove Base Location: Unit 240 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project : 240-250 E. Grand Blvd

Project # :3-11284

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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 12a Cust. #: 6B Material: Mastic Location: Unit 240 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 13 Cust. #: 7A Material: Grey Grout Location: Unit 240 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 14 Cust. #: 7B Material: Grey Grout Location: Unit 240 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project : 240-250 E. Grand Blvd

Project # :3-11284

Report To:
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10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 15 Cust. #: 8A Material: Dk Brown Stair Tread Location: Unit 250 Basement Stairs Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 15a Cust. #: 8A Material: Mastic Location: Unit 250 Basement Stairs Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 16 Cust. #: 8B Material: Dk Brown Stair Tread Location: Unit 250 Basement Stairs Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project : 240-250 E. Grand Blvd

Project # :3-11284

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10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 16a Cust. #: 8B Material: Mastic Location: Unit 250 Basement Stairs Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 17 Cust. #: 9A Material: 12"x12" Brown/Tan Sq Pattern Location: Unit 250 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 17a Cust. #: 9A Material: Mastic Location: Unit 250 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 17b Cust. #: 9A Material: Floor Tile Location: Unit 250 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 17c Cust. #: 9A Material: Mastic Location: Unit 250 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 18 Cust. #: 9B Material: 12"x12" Brown/Tan Sq Pattern Location: Dining Room Appearance: grey,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 18a Cust. #: 9B Material: Mastic Location: Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 18b Cust. #: 9B Material: Floor Tile Location: Dining Room Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 18c Cust. #: 9B Material: Mastic Location: Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91280
Date Collected: 09/08/20
Date Received: 09/10/20
Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 19 Cust. #: 10A Material: 12"x12" Grey w/ Rectangles Location: Unit 250 1st Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 19a Cust. #: 10A Material: Mastic Location: Unit 250 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 20 Cust. #: 10B Material: 12"x12" Grey w/ Rectangles Location: Unit 250 1st Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 20a Cust. #: 10B Material: Mastic Location: Unit 250 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 21 Cust. #: 11A Material: 4" Chocolate Coe Base Location: Unit 250 1st Fl Bath Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 22 Cust. #: 11B Material: 4" Chocolate Coe Base Location: Unit 250 1st Fl Bath Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 23 Cust. #: 12A Material: White Caulk, Counters Location: Unit 250 Kitchen Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 24 Cust. #: 12B Material: White Caulk, Counters Location: Unit 250 Kitchen Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 25 Cust. #: 13A Material: 12"x12" White Floor Tile Location: Unit 246 Landing to Basement Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 25a Cust. #: 13A Material: Mastic Location: Unit 246 Landing to Basement Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 26 Cust. #: 13B Material: 12"x12" White Floor Tile Location: Unit 246 Landing to Basement Appearance: black,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 26a Cust. #: 13B Material: Mastic Location: Unit 246 Landing to Basement Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 27 Cust. #: 14A Material: 12"x12" Tan/Beige Rectangle Location: Unit 246 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91280 - 28 Cust. #: 14B Material: 12"x12" Tan/Beige Rectangle Location: Unit 246 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91280 - 29 Cust. #: 15A Material: 4" White Cove Base Location: Unit 246 1st Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 29a Cust. #: 15A Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 30 Cust. #: 15B Material: 4" White Cove Base Location: Unit 246 1st Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 30a Cust. #: 15B Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 31 Cust. #: 16A Material: 12"x12" Grey, Tan Diamond Center Location: Unit 246 1st Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 31a Cust. #: 16A Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 32 Cust. #: 16B Material: 12"x12" Grey, Tan Diamond Center Location: Unit 246 1st Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 32a Cust. #: 16B Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 33 Cust. #: 17A Material: 12"x12" Grey/White Faux Stone Location: Unit 244 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 33a Cust. #: 17A Material: Mastic Location: Unit 244 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Brighton, MI 48116

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Date Collected: 09/08/20
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Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 34 Cust. #: 17B Material: 12"x12" Grey/White Faux Stone Location: Unit 244 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 34a Cust. #: 17B Material: Mastic Location: Unit 244 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 35 Cust. #: 18A Material: 12"x12" Brown Basket Weave Location: Unit 244 Entry Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 35a Cust. #: 18A Material: Mastic Location: Unit 244 Entry Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 36 Cust. #: 18B Material: 12"x12" Brown Basket Weave Location: Unit 244 Entry Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 36a Cust. #: 18B Material: Mastic Location: Unit 244 Entry Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 37 Cust. #: 19A Material: White Window/Siding Location: Unit 240 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 38 Cust. #: 19B Material: White Window/Siding Location: Unit 244 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 39 Cust. #: 20A Material: Brick Mortar Grey Location: Unit 250 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 40 Cust. #: 20B Material: Brick Mortar Grey Location: Unit 240 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91280 - 41 Cust. #: 21A Material: Reddish Asphalt Shingles Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 91280 - 41a Cust. #: 21A Material: Shingle Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%

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Date Analyzed: 09/14/20
Date Reported: 09/14/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 41b Cust. #: 21A Material: Shingle Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 91280 - 42 Cust. #: 21B Material: Reddish Asphalt Shingles Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 91280 - 42a Cust. #: 21B Material: Shingle Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91280 - 42b Cust. #: 21B Material: Shingle Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Apex # **91280**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, mi 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-8-2020
Project: 240-250 E. Grand Blvd
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush 24 hour
48 hour (72 hour)
Other:
Samples received after 3pm logged in next morning
TTP (yes) / no (Test Till Positive)

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO____ Air ____ Paint ____ Bulk____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration Dampener / unit 240	Basement		
	1B	↓			
	2A	Drywall + Joint compound / unit 240			
	2B	↓ / unit 250			
	3A	White sink undercoat / unit 240	Kitchen		
	3B	↓			
	4A	Linoleum tan, brown with white line	square pattern / unit	240 kitchen	
	4B	↓ / unit 240 Dining room			
	5A	12"x12" Floor tile dark brown faux stone	pattern / unit 240	1st floor Bath	
	5B	↓			
	6A	4" Tan coveebase / unit 240	1st fl Bath		
	6B	↓			

Relinquished By: J. Tinsley
Date: 9-10-2020
Revision R5 Date: Nov/2017

Received By: RECEIVED
Time/Date: SEP 10 2020
APEX RESEARCH

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

Apex # **91280** Page **2**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTi Environmental
Address: 10448 citation Drive
City, St., Zip: Brighton, mi 48116
Phone: 810.225.2900 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour 72 hour
Other: TTP yes / no
Samples received after 3pm logged in next morning (Test Till Positive)

Date of Survey: 9-8-2020
Project: 240-250 E. Grand Blvd
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	Gray grout / unit 240 2nd Fl Bath			
	7B	↓			
	8A	Dark brown stair tread / unit 250 Basement stairs			
	8B	↓			
	9A	12"x12" Brown+Tan square pattern / unit 250 Kitchen			
	9B	↓ / Dining room			
	10A	12"x12" Gray with Rectangles / unit 250 1st fl Bath			
	10B	↓			
	11A	4" chocolate covebase / unit 250 1st Fl Bath			
	11B	↓			
	12A	White Caulk (counters) / unit 250 Kitchen			
	12B	↓			

Relinquished By: J. Tinsley
Date: 9-10-2020

Received By: RECEIVED
Time/Date: SEP 10 2020

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

Revision R5 Date: Nov/2017

APEX RESEARCH

Apex # **91280** Page **3**

APEX Research, Inc.

1054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, MI. 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-8-2020
Project: 240-250 E. Grand Blvd.
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush 24 hour
48 hour (72 hour)
Other: TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO____ Air ____ Paint ____ Bulk____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402____ EPA Level II ____ Other ___

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	12"x12" White floortile / unit 246	Landing to Basement		
	13B	↓			
	14A	12"x12" Tant Beige rectangle pattern / unit 246		Kitchen	
	14B	↓			
	15A	4" White coveboase / unit 246 1st Fl		Bath	
	15B	↓			
	16A	12"x12" Gray, Tan Diamond Center /	unit 246	1st Fl Bath	
	16B	↓			
	17A	12"x12" Gray + White faux stone pattern	/ unit 244	Kitchen	
	17B	↓			
	18A	12"x12" Brown basket weave / unit 244		Entry	
	18B	↓			

RECEIVED
SEP 10 2020
APEX RESEARCH

Relinquished By: J. Tinsley
Date: 9-10-2020
Received By: ____
Time/Date: ____
Relinquished By: ____
Date: ____
Received By: ____
Time/Date: ____

Revision R5 Date: Nov/2017

Apex # **91280** Page **4**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, mi 48116
Phone: 810.225.3500 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-8-2020
Project: 240-250 E. Grand Blvd
Project # 3-11284
Contact Person: Jill Tinsley / David Amyx
Email: Jtinsley@asti-env.com / dawyx@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush | 24 hour | 48 hour | (72 hour) | Other: | TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	19A	White window trim / unit 240			
	19B	↓ / unit 244			
	20A	Brick gray mortar / unit 250			
	20B	↓ / unit 240			
	21A	Reddish Asphalt shingles / unit 244			
	21B	↓			

Relinquished By: J Tinsley
Date: 9-10-2020

RECEIVED
Received By: ____
Time/Date: SEP 10 2020

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

Revision R5 Date: Nov/2017

APEX RESEARCH

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1005-1007 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Basement Unit 1005 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 25% Other - 75%
Lab ID #: 91312 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Basement Unit 1005 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 25% Other - 75%
Lab ID #: 91312 - 03 Cust. #: 2A Material: White Drywall Location: Basement Unit 1005 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1005-1007 Field Street
Project # :3-11284

Report To:
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ASTI Environmental
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Brighton, MI 48116

ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 03a Cust. #: 2A Material: Joint Compound Location: Basement Unit 1005 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 04 Cust. #: 2B Material: White Drywall Location: Basement Unit 1007 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%
Lab ID #: 91312 - 04a Cust. #: 2B Material: Joint Compound Location: Basement Unit 1007 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 05 Cust. #: 3A Material: Grey Sink Undercoating Location: Kitchen Unit 1005 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 06 Cust. #: 3B Material: Grey Sink Undercoating Location: Kitchen Unit 1005 Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 07 Cust. #: 4A Material: Brown Plank Flooring Location: Kitchen Unit 1005 Appearance: brown,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

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ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 07a Cust. #: 4A Material: Floor Tile Location: Kitchen Unit 1005 Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 07b Cust. #: 4A Material: Mastic Location: Kitchen Unit 1005 Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 08 Cust. #: 4B Material: Brown Plank Flooring Location: Kitchen Unit 1005 Appearance: brown,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

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Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 08a Cust. #: 4B Material: Floor Tile Location: Kitchen Unit 1005 Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 08b Cust. #: 4B Material: Mastic Location: Kitchen Unit 1005 Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 09 Cust. #: 5A Material: White Cove Base Location: Kitchen Unit 1005 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 09a Cust. #: 5A Material: Mastic Location: Kitchen Unit 1005 Appearance: beige,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 10 Cust. #: 5B Material: White Cove Base Location: Kitchen Unit 1005 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 10a Cust. #: 5B Material: Mastic Location: Kitchen Unit 1005 Appearance: beige,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Brighton, MI 48116

ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 11 Cust. #: 6A Material: White Countertop Caulk Location: Kitchen Unit 1005 Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 12 Cust. #: 6B Material: White Countertop Caulk Location: Kitchen Unit 1005 Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 13 Cust. #: 7A Material: White Caulk Location: Bath Tub Unit 1005 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/02/20
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Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 14 Cust. #: 7B Material: White Caulk Location: Bath 2nd Fl Sink Unit 1005 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 15 Cust. #: 8A Material: White Grout Location: 2nd Fl Bath Unit 1005 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 16 Cust. #: 8B Material: White Grout Location: 2nd Fl Bath Unit 1005 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project : 1005-1007 Field Street
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Brighton, MI 48116

ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 17 Cust. #: 9A Material: White Cove Base Stair Tread Location: Stairs to 2nd Fl Unit 1007 Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 18 Cust. #: 9B Material: White Cove Base Stair Tread Location: Stairs to 2nd Fl Unit 1007 Appearance: white,nonfibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 18a Cust. #: 9B Material: Mastic Location: Stairs to 2nd Fl Unit 1007 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 19 Cust. #: 10A Material: Grey Grout Location: Bathroom Unit 1007 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 20 Cust. #: 10B Material: Grey Grout Location: Bathroom Unit 1007 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91312 - 21 Cust. #: 11A Material: Roofing Black Asphalt Shingles Location: Unit 1005 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%

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ARI Report # 20-91312
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91312 - 22 Cust. #: 11B Material: Roofing Black Asphalt Shingles Location: Unit 1005 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Apex # **91312**

APEX Research, Inc.

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City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: _____ TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-2-2020
Project: 1005 - 1007 field street
Project # 3-17284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com
Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration dampener / Basement unit		1005	
	1B	"			
	2A	White drywall + joint compound /	Basement unit 1005		
	2B	" / basement unit 1007			
	3A	Gray sink undercoating / Kitchen unit		1005	
	3B	"			
	4A	Brown plank flooring / Kitchen unit 1005			
	4B	"			
	5A	White covebase / Kitchen unit 1005			
	5B	"			
	6A	White counter top caulk / Kitchen unit 1005			
	6B	"			

RECEIVED

Relinquished By: J Tinsley
Date: 9-8-2020

Received By: SEP 11 2020
Time/Date: 0800 BC
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Revision R4 Date: May/2017

9312

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | (72 hour) | 48 hour | Other: _____

Samples received after 3pm logged in next morning

TTP (yes) / no (Test Till Positive)

Date of Survey: 9-2-2020
Project: 1005 - 1007 Field street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	White Caulk / Bath tub unit	1005		
	7B	" / Bath 2nd floor Sink unit	1005		
	8A	White Grout 2nd floor Bath unit	1005		
	8B	"			
	9A	White Stairs to 2nd floor - Covebase stair tread	unit 1007		
	9B	"			
	10A	Gray grout 2nd floor / Bathroom	unit 1007		
	10B	"			
	11A	Roofing Black Asphalt shingles / unit	1005		
	11B	"			

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: SEP 11 2020 0800 BL
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

2 of 2 pages

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 01 Cust. #: 1A Material: White Drywall Location: Unit 1014 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91295 - 01a Cust. #: 1A Material: Joint Compound Location: Unit 1014 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 02 Cust. #: 1B Material: White Drywall Location: Unit 1016 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 02a Cust. #: 1B Material: Joint Compound Location: Unit 1016 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 03 Cust. #: 2A Material: White Sink Undercoating Location: Unit 1014 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91295 - 04 Cust. #: 2B Material: White Sink Undercoating Location: Unit 1014 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 05 Cust. #: 3A Material: 12"x12" FT Tan/Brown Location: Unit 1014 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 05a Cust. #: 3A Material: Glue Location: Unit 1014 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 05b Cust. #: 3A Material: Floor Tile Location: Unit 1014 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 05c Cust. #: 3A Material: Glue Location: Unit 1014 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 06 Cust. #: 3B Material: 12"x12" FT Tan/Brown Location: Unit 1014 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 06a Cust. #: 3B Material: Glue Location: Unit 1014 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 06b Cust. #: 3B Material: Floor Tile Location: Unit 1014 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 06c Cust. #: 3B Material: Glue Location: Unit 1014 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 07 Cust. #: 4A Material: Brown Planking Faux Wood Pattern Location: Unit 1016 Dining Room Appearance: grey,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 07a Cust. #: 4A Material: Thick Floor Tile Location: Unit 1016 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 07b Cust. #: 4A Material: Glue Location: Unit 1016 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 08 Cust. #: 4B Material: Brown Planking Faux Wood Pattern Location: Unit 1016 Dining Room Appearance: grey,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 08a Cust. #: 4B Material: Thick Floor Tile Location: Unit 1016 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 08b Cust. #: 4B Material: Glue Location: Unit 1016 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 09 Cust. #: 5A Material: White Caulk Location: Unit 1016 1st Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 10 Cust. #: 5B Material: White Caulk Location: 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 11 Cust. #: 6A Material: White Counter Caulk Location: Unit 1016 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 12 Cust. #: 6B Material: White Counter Caulk Location: Unit 1016 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 13 Cust. #: 7A Material: 4" Tan Cove Base Location: 1st Fl Bath Unit 1016 Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 13a Cust. #: 7A Material: Glue Location: 1st Fl Bath Unit 1016 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 14 Cust. #: 7B Material: 4" Tan Cove Base Location: 1st Fl Bath Unit 1016 Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1014-1016 Field

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91295
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91295 - 14a Cust. #: 7B Material: Glue Location: 1st Fl Bath Unit 1016 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91295 - 15 Cust. #: 8A Material: Roofing Green Asphalt Shingles Location: Roof Unit 1014 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 91295 - 16 Cust. #: 8B Material: Roofing Green Asphalt Shingles Location: Roof Unit 1014 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Apex # **91295**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9.3.2020
Project: 1014-1016 Field
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	White drywall + joint compound / unit 1014			
	1B	" / unit 1016			
	2A	White sink undercoating / unit 1014 Kitchen			
	2B	"			
	3A	12"x12" Floor tile tan, brown / unit 1014 Kitchen			
	3B	"			
	4A	Brown planking faux wood pattern / unit 1016 Dining room			
	4B	"			
	5A	White caulk / unit 1016 1st Fl Bathroom			
	5B	" / 2nd floor Bathroom			
	6A	White counter caulk / unit 1016 Kitchen			
	6B	RECEIVED			

Relinquished By: J. Tinsley
Date: 9.8.2020
Revision R4 Date: May/2017

Received By: SEP 11 2020
Time/Date: _____
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Apex # **91295** Page **2**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-3-2020
Project: 1014-1016 Field street
Project # 3-TT284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	4" Tan cove base / 1st Fl Bath unit		106	
	7B	"			
	8A	Roofing Green Asphalt shingles / Roof unit 1014			
	8B	"			

Relinquished By: J. Tinsley
Date: 9.8.2020
Revision R4 Date: May/2017

RECEIVED
Received By: _____
Time/Date: SEP 11 2020
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

2 of 2 pages

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1023-1031 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91296
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: 1023 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 30% Other - 70%
Lab ID #: 91296 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: 1023 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 30% Other - 70%
Lab ID #: 91296 - 03 Cust. #: 2A Material: Drywall Location: Unit 1023 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1023-1031 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91296
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 1023 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 04 Cust. #: 2B Material: Drywall Location: Unit 1031 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 1% Other - 79%
Lab ID #: 91296 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 1031 Appearance: beige,fibrous,homogenous Layer: 2 of 2	Asbestos Present: **YES** Chrysotile - 2%	Other - 98%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1023-1031 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91296
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 05 Cust. #: 3A Material: White Sink Undercoating Location: Kitchen 1023 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91296 - 06 Cust. #: 3B Material: White Sink Undercoating Location: Kitchen 1023 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91296 - 07 Cust. #: 4A Material: Linoleum Location: Kitchen 1023 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 07a Cust. #: 4A Material: 12"x12" FT Tan/Brown Faux Stone Location: Kitchen 1023 Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 07b Cust. #: 4A Material: Glue Location: Kitchen 1023 Appearance: clear,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 08 Cust. #: 4B Material: Linoleum Location: Dining Room 1023 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 08a Cust. #: 4B Material: 12"x12" FT Tan/Brown Faux Stone Location: Dining Room 1023 Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 08b Cust. #: 4B Material: Glue Location: Dining Room 1023 Appearance: clear,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 09 Cust. #: 5A Material: Grey Grout Location: 2nd Floor Bathroom 1023 Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 10 Cust. #: 5B Material: Grey Grout Location: 2nd Floor Bathroom 1023 Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 11 Cust. #: 6A Material: White Bath Caulk Location: 2nd Fl Bathroom Sink 1023 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 12 Cust. #: 6B Material: White Bath Caulk Location: 2nd Fl Tub Unit 1023 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 13 Cust. #: 7A Material: White Caulk Location: Kitchen Counter Unit 1025 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 14 Cust. #: 7B Material: White Caulk Location: Kitchen Counter Unit 1025 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 15 Cust. #: 8A Material: 12"x12" FT, Brown, Grey Square Pattern Location: Dining 1025 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 15a Cust. #: 8A Material: Glue Location: Dining 1025 Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 16 Cust. #: 8B Material: 12"x12" FT, Brown, Grey Square Pattern Location: Dining 1025 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 16a Cust. #: 8B Material: Glue Location: Dining 1025 Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 17 Cust. #: 9A Material: 12"x12" FT Paint Grey Location: Basement Unit 1027 Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 17a Cust. #: 9A Material: Glue Location: Basement Unit 1027 Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 18 Cust. #: 9B Material: 12"x12" FT Paint Grey Location: Basement Unit 1027 Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 18a Cust. #: 9B Material: Glue Location: Basement Unit 1027 Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 19 Cust. #: 10A Material: Brown Plank Flooring Faux Wood Location: Dining Room Unit 1027 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91296 - 20 Cust. #: 10B Material: Brown Plank Flooring Faux Wood Location: Kitchen Unit 1027 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 21 Cust. #: 11A Material: Grey Vibration Dampener Location: Basement Unit 1031 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 10% Other - 90%
Lab ID #: 91296 - 22 Cust. #: 11B Material: Grey Vibration Dampener Location: Basement Unit 1031 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 10% Other - 90%
Lab ID #: 91296 - 23 Cust. #: 12A Material: Red Fire Stop Caulk Location: Basement Unit 1031 Appearance: red,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 24 Cust. #: 12B Material: Red Fire Stop Caulk Location: Basement Unit 1031 Appearance: red,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91296 - 25 Cust. #: 13A Material: 12"x12" FT Brown Basket Weave Location: Kitchen Closet Unit 1031 Appearance: brown,nonfibrous,homogenous Layer: 1 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 25a Cust. #: 13A Material: Glue Location: Kitchen Closet Unit 1031 Appearance: clear,nonfibrous,homogenous Layer: 2 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 25b Cust. #: 13A Material: White Floor Tile Location: Kitchen Closet Unit 1031 Appearance: white,nonfibrous,homogenous Layer: 3 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 25c Cust. #: 13A Material: Glue Location: Kitchen Closet Unit 1031 Appearance: clear,nonfibrous,homogenous Layer: 4 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 25d Cust. #: 13A Material: Grey Floor Tile Location: Kitchen Closet Unit 1031 Appearance: grey,nonfibrous,homogenous Layer: 5 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 25e Cust. #: 13A Material: Glue Location: Kitchen Closet Unit 1031 Appearance: clear,nonfibrous,homogenous Layer: 6 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 25f Cust. #: 13A Material: Felt Location: Kitchen Closet Unit 1031 Appearance: yellow,fibrous,homogenous Layer: 7 of 7	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 15% Other - 65%
Lab ID #: 91296 - 26 Cust. #: 13B Material: 12"x12" FT Brown Basket Weave Location: Kitchen Closet Unit 1031 Appearance: white,nonfibrous,homogenous Layer: 1 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 26a Cust. #: 13B Material: Glue Location: Kitchen Closet Unit 1031 Appearance: clear,nonfibrous,homogenous Layer: 2 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 26b Cust. #: 13B Material: Brown Floor Tile Location: Kitchen Closet Unit 1031 Appearance: brown,nonfibrous,homogenous Layer: 3 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 26c Cust. #: 13B Material: Glue Location: Kitchen Closet Unit 1031 Appearance: clear,nonfibrous,homogenous Layer: 4 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 26d Cust. #: 13B Material: Grey Floor Tile Location: Kitchen Closet Unit 1031 Appearance: grey,nonfibrous,homogenous Layer: 5 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 26e Cust. #: 13B Material: Glue Location: Kitchen Closet Unit 1031 Appearance: clear,nonfibrous,homogenous Layer: 6 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 26f Cust. #: 13B Material: Felt Location: Kitchen Closet Unit 1031 Appearance: yellow,fibrous,homogenous Layer: 7 of 7	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 27 Cust. #: 14A Material: Brown Plank Faux Wood Location: Dining Room Unit 1029 Appearance: brown,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 27a Cust. #: 14A Material: Glue Location: Dining Room Unit 1029 Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 27b Cust. #: 14A Material: Grey Floor Tile Location: Dining Room Unit 1029 Appearance: grey,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1023-1031 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91296
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 27c Cust. #: 14A Material: Glue Location: Dining Room Unit 1029 Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 28 Cust. #: 14B Material: Brown Plank Faux Wood Location: Dining Room Unit 1029 Appearance: brown,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 28a Cust. #: 14B Material: Glue Location: Dining Room Unit 1029 Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91296
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 28b Cust. #: 14B Material: Grey Floor Tile Location: Dining Room Unit 1029 Appearance: grey,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 28c Cust. #: 14B Material: Glue Location: Dining Room Unit 1029 Appearance: clear,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91296 - 29 Cust. #: 15A Material: Cream Linoleum Location: Laundry Unit 1029 Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 5% Other - 85%

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Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91296 - 30 Cust. #: 15B Material: Cream Linoleum Location: Laundry Unit 1029 Appearance: white,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 5% Other - 85%
Lab ID #: 91296 - 31 Cust. #: 16A Material: Roofing Reddish Asphalt Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 91296 - 32 Cust. #: 16B Material: Roofing Reddish Asphalt Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

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Apex # **91296**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other:_____
TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-2-2020
Project: 1023-1031 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO____ Air ____ Paint ____ Bulk____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402____ EPA Level II ____ Other ___

Lab Use Only
Log-In:____
Report: ____
Fax: ____
Verbal:____
Email:____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration Dampener / 1023 Basement			
	1B	"			
	2A	Drywall + joint compound / unit 1023			
	2B	" / unit 1031			
	3A	White sink undercoating / Kitchen 1023			
	3B	"			
	4A	12"x12" floor tile tan+Brown faux stone	4 square pattern / Kitchen 1023		
	4B	" / Dining room 1023			
	5A	Gray grout / 2nd floor bathroom	1023		
	5B	"			
	6A	White bath caulk / 2nd Floor bathroom	sink 1023		
	6B	" / " Tub unit	1023		

Relinquished By: D. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: _____
Time/Date: SEP 11 2020 0900 BL
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

1 of 3 pages

Apex # **91296** Page **2**

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Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-2-2020
Project: 1023-1031 Field street
Project # 3-TT284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush | 24 hour | 48 hour | (72 hour) | Other: | TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	White caulk / Kitchen counter unit 1025			
	7B	"			
	8A	12"x12" floor tile Brown, gray square pattern / Dining 1025			
	8B	"			
	9A	12"x12" floor tile paint gray / Basement unit 1027			
	9B	"			
	10A	Brown plank flooring faux wood pattern / dining room unit 1027			
	10B	" / Kitchen unit 1027			
	11A	Gray vibration dampener / Basement unit 1031			
	11B	"			
	12A	Red fire stop caulk / basement unit	1031		
	12B	"			

Relinquished By: J Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: SEP 11 2020 0800 BL APEX RESEARCH

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

Apex # **91296** Page **3**

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City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-2-2020
Project: 1023 - 1031 Field Street
Project # 3-17284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush | 24 hour | 48 hour | (72 hour) | Other: ____
Samples received after 3pm logged in next morning
TTP (yes) / no (Test Till Positive)

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	12"x12" floor tile Brown basket weave pattern /	Kitchen closet unit 1031		
	13B	"			
	14A	Brown plank faux wood / Dining room unit 1029			
	14B	"			
	15A	Cream Linoleum / Laundry unit 1029			
	15B	"			
	16A	Roofing reddish Asphalt / Roof			
	16B	"			
		RECEIVED			

Relinquished By: J Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: SEP 11 2020
Time/Date: 0860 BZ
APEX RESEARCH

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

3 of 3 pages

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1045-1051 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Unit 1045 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 15% Other - 85%
Lab ID #: 91299 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Unit 1045 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 15% Other - 85%
Lab ID #: 91299 - 03 Cust. #: 2A Material: 12"x12" FT Brown/Tan Faux Stone Location: Unit 1045 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 03a Cust. #: 2A Material: Glue Location: Unit 1045 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 03b Cust. #: 2A Material: Thick Floor Tile Location: Unit 1045 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 03c Cust. #: 2A Material: Glue Location: Unit 1045 Kitchen Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 04 Cust. #: 2B Material: 12"x12" FT Brown/Tan Faux Stone Location: Unit 1045 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 04a Cust. #: 2B Material: Glue Location: Unit 1045 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 04b Cust. #: 2B Material: Thick Floor Tile Location: Unit 1045 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 04c Cust. #: 2B Material: Glue Location: Unit 1045 Kitchen Appearance: black,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91299 - 05 Cust. #: 3A Material: White Sink Undercoat Location: Unit 1045 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91299 - 06 Cust. #: 3B Material: White Sink Undercoat Location: Unit 1045 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 07 Cust. #: 4A Material: 4" Tan Cove Base Location: Unit 1045 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 07a Cust. #: 4A Material: Glue Location: Unit 1045 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 08 Cust. #: 4B Material: 4" Tan Cove Base Location: Unit 1045 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 08a Cust. #: 4B Material: Glue Location: Unit 1045 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 09 Cust. #: 5A Material: Brown Plank Flooring Location: 2nd Fl Bath Unit 1045 Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91299 - 10 Cust. #: 5B Material: Brown Plank Flooring Location: 2nd Fl Bath Unit 1045 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

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Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 11 Cust. #: 6A Material: White Drywall Location: Unit 1047 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 91299 - 11a Cust. #: 6A Material: Joint Compound Location: Unit 1047 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 12 Cust. #: 6B Material: White Drywall Location: Unit 1049 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%

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Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 12a Cust. #: 6B Material: Joint Compound Location: Unit 1049 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 13 Cust. #: 7A Material: Linoleum Location: Unit 1047 Kitchen Appearance: beige,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91299 - 13a Cust. #: 7A Material: 12"x12" Floor Tile Cream w/ Brown Location: Unit 1047 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 13b Cust. #: 7A Material: Glue Location: Unit 1047 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 14 Cust. #: 7B Material: Linoleum Location: Unit 1047 Kitchen Appearance: beige,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91299 - 14a Cust. #: 7B Material: 12"x12" Floor Tile Cream w/ Brown Location: Unit 1047 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1045-1051 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 14b Cust. #: 7B Material: Glue Location: Unit 1047 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 15 Cust. #: 8A Material: 4" Cream Cove Base Location: Unit 1047 1st Fl Bathroom Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 15a Cust. #: 8A Material: Glue Location: Unit 1047 1st Fl Bathroom Appearance: beige,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project # :3-11284

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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 16 Cust. #: 8B Material: 4" Cream Cove Base Location: Unit 1047 1st Fl Bathroom Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 16a Cust. #: 8B Material: Glue Location: Unit 1047 1st Fl Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 17 Cust. #: 9A Material: 4" Dk Brown Cove Base Location: Unit 1047 Stairs to 2nd Fl Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 17a Cust. #: 9A Material: Glue Location: Unit 1047 Stairs to 2nd Fl Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 18 Cust. #: 9B Material: 4" Dk Brown Cove Base Location: Unit 1047 Stairs to 2nd Fl Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 18a Cust. #: 9B Material: Glue Location: Unit 1047 Stairs to 2nd Fl Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 19 Cust. #: 10A Material: Grey Grout Location: Unit 1047 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 20 Cust. #: 10B Material: Grey Grout Location: Unit 1047 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 21 Cust. #: 11A Material: White Caulk Location: Unit 1047 2nd Fl Bathroom Tub Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 22 Cust. #: 11B Material: White Caulk Location: Unit 1047 2nd Fl Bathroom Tub Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 23 Cust. #: 12A Material: White Kitchen Counter Caulk Location: Unit 1049 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 24 Cust. #: 12B Material: White Kitchen Counter Caulk Location: Unit 1049 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 25 Cust. #: 13A Material: 12"x12" FT Brown w/ White/Brown Location: Unit 1051 Landing to Basement Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 25a Cust. #: 13A Material: Glue Location: Unit 1051 Landing to Basement Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 26 Cust. #: 13B Material: 12"x12" FT Brown w/ White/Brown Location: Unit 1051 Landing to Basement Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

Report To:
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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91299
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91299 - 26a Cust. #: 13B Material: Glue Location: Unit 1051 Landing to Basement Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91299 - 27 Cust. #: 14A Material: Roofing Red Asphalt Shingle Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 91299 - 28 Cust. #: 14B Material: Roofing Red Asphalt Shingle Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

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Apex # **91299**

APEX Research, Inc.

054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-2-2020
Project: 1045 - 1051 Field street
Project # 3-TT284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration dampener / unit 1045		Basement	
	1B	"			
	2A	12"x12" Floor tile Brown+tan faux stone / unit 1045		Kitchen	
	2B	"			
	3A	White sink undercoating / unit 1045		Kitchen	
	3B	"			
	4A	4" Tan covebase / unit 1045		1st fl Bath	
	4B	"			
	5A	Brown plank flooring / 2nd fl Bath unit 1045			
	5B	"			
	6A	White Drywall + Joint compound / unit 1047			
	6B	" / unit 1049			

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: SEP 11 2020 0800 BL
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

91299

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other:
TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-2-2020
Project: 1045 - 1051 Field street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	12"x12" floor tile cream with Brown specks /		unit 1047	Kitchen
	7B	"			
	8A	4" cream covebase / unit 1047		1st floor	Bathroom
	8B	"			
	9A	4" dark brown covebase / unit	1047	stairs to 2nd floor	
	9B	"			
	10A	Gray grout / unit 1047		2nd floor	Bathroom
	10B	"			
	11A	White caulk / unit 1047		2nd floor	Bathroom tub
	11B	"			
	12A	White kitchen counter caulk / Unit 1049			Kitchen
	12B	"			

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

RECEIVED
Received By:
Time/Date: SEP 11 2020 0800 BL
APEX RESEARCH

Relinquished By:
Date:

Received By:
Time/Date:

91299

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-2-2020
Project: 1045- 1051 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	12"x12" Floor tile Brown with white + brown specks / Unit			1051 Landing To Basement
	13B	11			
	14A	Roofing Red Asphalt shingle / Roof			
	14B	11			

RECEIVED
SEP 11 2020
0800 BY
APEX RESEARCH

Relinquished By: J Tinsley
Date: 9-8-2020

Received By: _____
Time/Date: _____

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 01 Cust. #: 1A Material: Drywall Location: Unit 1065 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91304 - 01a Cust. #: 1A Material: Joint Compound Location: Unit 1065 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 02 Cust. #: 1B Material: Drywall Location: Unit 1067 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 02a Cust. #: 1B Material: Joint Compound Location: Unit 1067 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 03 Cust. #: 2A Material: White Sink Undercoating Location: Kitchen Unit 1065 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91304 - 04 Cust. #: 2B Material: White Sink Undercoating Location: Kitchen Unit 1065 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

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ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 05 Cust. #: 3A Material: Plank Flooring Brown Faux Wood Location: Dining Room Unit 1065 Appearance: grey,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91304 - 05a Cust. #: 3A Material: Floor Tile Location: Dining Room Unit 1065 Appearance: grey,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 05b Cust. #: 3A Material: Glue Location: Dining Room Unit 1065 Appearance: clear,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Brighton, MI 48116

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Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 06 Cust. #: 3B Material: Plank Flooring Brown Faux Wood Location: Dining Room Unit 1065 Appearance: grey,fibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91304 - 06a Cust. #: 3B Material: Floor Tile Location: Dining Room Unit 1065 Appearance: grey,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 06b Cust. #: 3B Material: Glue Location: Dining Room Unit 1065 Appearance: clear,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 07 Cust. #: 4A Material: Grey Grout Location: 2nd Fl Bathroom Unit 1065 Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 08 Cust. #: 4B Material: Grey Grout Location: 2nd Fl Bathroom Unit 1065 Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 09 Cust. #: 5A Material: White Caulk Location: 2nd Fl Bathroom Unit 1065 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 10 Cust. #: 5B Material: White Caulk Location: 2nd Fl Bathroom Unit 1065 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 11 Cust. #: 6A Material: 4" White Cove Base Location: Stairs to 2nd Fl Unit 1065 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 11a Cust. #: 6A Material: Glue Location: Stairs to 2nd Fl Unit 1065 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 12 Cust. #: 6B Material: 4" White Cove Base Location: Stairs to 2nd Fl Unit 1065 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 12a Cust. #: 6B Material: Glue Location: Stairs to 2nd Fl Unit 1065 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 13 Cust. #: 7A Material: Black Vibration Dampener Location: Unit 1067 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 14 Cust. #: 7B Material: Black Vibration Dampener Location: Unit 1067 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 15% Other - 85%
Lab ID #: 91304 - 15 Cust. #: 8A Material: 4" Cream Cove Base Location: Unit 1067 1st Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 15a Cust. #: 8A Material: Glue Location: Unit 1067 1st Fl Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 16 Cust. #: 8B Material: 4" Cream Cove Base Location: Unit 1067 1st Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 16a Cust. #: 8B Material: Glue Location: Unit 1067 1st Fl Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 17 Cust. #: 9A Material: 12"x12" FT Brown Faux Wood Location: Unit 1067 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 17a Cust. #: 9A Material: Glue Location: Unit 1067 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 18 Cust. #: 9B Material: 12"x12" FT Brown Faux Wood Location: Unit 1067 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 18a Cust. #: 9B Material: Glue Location: Unit 1067 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 19 Cust. #: 10A Material: Cream w/ Rectangles Linoleum Location: Unit 1067 1st Fl Bathroom Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91304 - 20 Cust. #: 10B Material: Cream w/ Rectangles Linoleum Location: Unit 1067 1st Fl Bathroom Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91304 - 21 Cust. #: 11A Material: Brown/Tan/Cream Rectangle Linoleum Location: Unit 1067 Kitchen Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 22 Cust. #: 11B Material: Brown/Tan/Cream Rectangle Linoleum Location: Unit 1067 Kitchen Appearance: beige,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91304 - 23 Cust. #: 12A Material: 12"x12" FT Cream Faux Stone Location: Unit 1067 Closet Near Entry Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 23a Cust. #: 12A Material: Glue Location: Unit 1067 Closet Near Entry Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 24 Cust. #: 12B Material: 12"x12" FT Cream Faux Stone Location: Unit 1067 Closet Near Entry Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 24a Cust. #: 12B Material: Glue Location: Unit 1067 Closet Near Entry Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91304 - 25 Cust. #: 13A Material: Roofing Black Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1065-1067 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91304
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91304 - 26 Cust. #: 13B Material: Roofing Black Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Robert T. Letarte Jr., Laboratory Director

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Apex # **91304**

APEX Research, Inc.

1054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-2-2020
Project: 1065 - 1067 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Circle analyses required, indicate type and quantity

Rush | 24 hour | 48 hour | (72 hour) | Other: | TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Drywall + Joint compound / unit 1065			
	1B	" / unit 1067			
	2A	White sink undercoating / Kitchen unit 1065			
	2B	"			
	3A	Plank flooring Brown faux wood / Dining room unit 1065			
	3B	"			
	4A	Gray grout / 2nd Flor Bathroom unit 1065			
	4B	"			
	5A	White caulk / 2nd Floor Bathroom unit 1065			
	5B	"			
	6A	4" White covebase / stairs to 2nd Floor unit 1065			
	6B	"			

RECEIVED
SEP 11 2020
0860
APEX RESEARCH

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: ____
Time/Date: ____

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

9/304

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-2-2020
Project: 1065-1067 Field Street
Project # 3-17284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	Black vibration Dampener / unit 1067	Basement		
	7B	"			
	8A	4" Cream cavebase / unit 1067	1st Floor	Bathroom	
	8B	"			
	9A	12"x12" Floor tile Brown faux wood /	unit 1067	Dining room	
	9B	"			
	10A	Cream with rectangles Linoleum /	unit 1067	1st Floo	Bathroom
	10B	"			
	11A	Brown, tan, cream, rectangle + square pattern Linoleum /	unit 1067	Kitchen	
	11B	"			
	12A	12"x12" Floor tile cream faux stone /	unit 1067	closet near entry	
	12B	"			

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: SEP 11 2020 0800 BC
APEX RESEARCH

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

91304

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9-2-2020
Project: 1065-1067 Field street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | (72 hour)
48 hour
Other: _____
Samples received after 3pm logged in next morning
TTP (yes) / no (Test Till Positive)

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	Roofing Black asphalt Shingles/Roof			
	13B	11			

Relinquished By: J. Tinsley
Date: 9-8-2020

Received By: RECEIVED
Time/Date: SEP 11 2020 0800 BL
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 01 Cust. #: 1A Material: Grey Vibration Dampener Location: Unit 1070 Basement Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91292 - 02 Cust. #: 1B Material: Grey Vibration Dampener Location: Unit 1070 Basement Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91292 - 03 Cust. #: 2A Material: White Drywall Location: Unit 1070 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 1070 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 04 Cust. #: 2B Material: White Drywall Location: Unit 1074 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91292 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 1074 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 05 Cust. #: 3A Material: White Sink Undercoat Location: Unit 1070 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91292 - 06 Cust. #: 3B Material: White Sink Undercoat Location: Unit 1070 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91292 - 07 Cust. #: 4A Material: 12"x12" FT Brown Basket Weave Location: Unit 1070 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

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Project # :3-11284

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ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 07a Cust. #: 4A Material: Glue Location: Unit 1070 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 07b Cust. #: 4A Material: Brown Floor Tile Location: Unit 1070 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 07c Cust. #: 4A Material: Glue Location: Unit 1070 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 08 Cust. #: 4B Material: 12"x12" FT Brown Basket Weave Location: Unit 1070 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 08a Cust. #: 4B Material: Glue Location: Unit 1070 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 08b Cust. #: 4B Material: Thick Floor Tile Location: Unit 1070 Kitchen Appearance: brown,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Date Collected: 09/03/20
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Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 08c Cust. #: 4B Material: Glue Location: Unit 1070 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 09 Cust. #: 5A Material: 4" Tan Cove Base Location: Unit 1070 Bath 1st Fl Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 09a Cust. #: 5A Material: Glue Location: Unit 1070 Bath 1st Fl Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 10 Cust. #: 5B Material: 4" Tan Cove Base Location: Unit 1070 Bath 1st Fl Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 10a Cust. #: 5B Material: Glue Location: Unit 1070 Bath 1st Fl Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 11 Cust. #: 6A Material: Grey Grout Location: Unit 1070 2nd Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 12 Cust. #: 6B Material: Grey Grout Location: Unit 1070 2nd Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91292 - 13 Cust. #: 7A Material: White Caulk Location: Unit 1070 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91292 - 14 Cust. #: 7B Material: White Caulk Location: Unit 1070 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 15 Cust. #: 8A Material: Linoleum, Grey/White/Brown Location: Unit 1070 Entry Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91292 - 16 Cust. #: 8B Material: Linoleum, Grey/White/Brown Location: Unit 1070 Entry Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91292 - 17 Cust. #: 9A Material: Roofing Black Asphalt Shingles Location: Unit 1074 Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91292
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91292 - 18 Cust. #: 9B Material: Roofing Black Asphalt Shingles Location: Unit 1074 Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Apex # **91292**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____ | TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-3-2020
Project: 1070 + 1074 Field Street
Project # 3-71284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Gray vibration Dampener / unit 1070 Basement			
	1B	"			
	2A	White Drywall + Joint compound / unit 1070			
	2B	" / unit 1074			
	3A	White sink undercoat / unit 1070 Kitchen			
	3B	"			
	4A	12"x12" floor tile Brown basket weave / unit 1070 Dining room			
	4B	" / unit 1070 Kitchen			
	5A	4" Tan coveBase / unit 1070 Bath 1st floor			
	5B	"			
	6A	Gray grout / unit 1070 2nd Fl Bath			
	6B	"			

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: _____
Time/Date: _____

RECEIVED
SEP 11 2020
BL 0800
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

10 of 2 pages

Apex # **91292** Page **2**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

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Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: _____ TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-3-2020
Project: 1070 + 1074 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	White caulk / unit 1070 2nd Fl Bathr			
	7B	"			
	8A	Linoleum - gray, white + Brown / unit	1070 Entry		
	8B	"			
	9A	Roofing Black asphalt shingles / unit 1074	Roof		
	9B	"			
		RECEIVED			

Relinquished By: [signature]
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: SEP 11 2020
Time/Date: 8:08
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

2 of 2 pages

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 01 Cust. #: 1A Material: White Drywall Location: Unit 1083 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91297 - 01a Cust. #: 1A Material: Joint Compound Location: Unit 1083 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 02 Cust. #: 1B Material: White Drywall Location: Unit 1085 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 02a Cust. #: 1B Material: Joint Compound Location: Unit 1085 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 03 Cust. #: 2A Material: 12"x12" FT Tan/Cream/Brown Faux Stone Location: Unit 1083 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 03a Cust. #: 2A Material: Mastic Location: Unit 1083 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/02/20
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Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 03b Cust. #: 2A Material: Floor Tile Location: Unit 1083 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 03c Cust. #: 2A Material: Mastic Location: Unit 1083 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 04 Cust. #: 2B Material: 12"x12" FT Tan/Cream/Brown Faux Stone Location: Unit 1083 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 04a Cust. #: 2B Material: Mastic Location: Unit 1083 Kitchen Appearance: clear,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 04b Cust. #: 2B Material: Floor Tile Location: Unit 1083 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 04c Cust. #: 2B Material: Mastic Location: Unit 1083 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 05 Cust. #: 3A Material: White Sink Undercoating Location: Unit 1083 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91297 - 06 Cust. #: 3B Material: White Sink Undercoating Location: Unit 1083 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91297 - 07 Cust. #: 4A Material: White Counter Caulk Location: Unit 1083 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 08 Cust. #: 4B Material: White Counter Caulk Location: Unit 1083 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 09 Cust. #: 5A Material: Grey Grout Location: 2nd Fl Bath Unit 1083 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 10 Cust. #: 5B Material: Grey Grout Location: 2nd Fl Bath Unit 1083 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

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Project : 1083-1091 Field Street
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Report To:
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Brighton, MI 48116

ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 11 Cust. #: 6A Material: White Caulk Location: Unit 1085 2nd Fl Bath Tub Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 12 Cust. #: 6B Material: White Caulk Location: Unit 1085 2nd Fl Bath Sink Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 13 Cust. #: 7A Material: 12"x12" FT Cream w/ Tan/Brown Location: Unit 1085 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 13a Cust. #: 7A Material: Mastic Location: Unit 1085 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 14 Cust. #: 7B Material: 12"x12" FT Cream w/ Tan/Brown Location: Unit 1085 Kitchen Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 15 Cust. #: 8A Material: 4" Cream Cove Base Location: 1st Fl Bath Unit 1085 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 15a Cust. #: 8A Material: Mastic Location: 1st Fl Bath Unit 1085 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 16 Cust. #: 8B Material: 4" Cream Cove Base Location: 1st Fl Bath Unit 1085 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 16a Cust. #: 8B Material: Mastic Location: 1st Fl Bath Unit 1085 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 17 Cust. #: 9A Material: Linoleum Cream w/ Rectangles Location: Unit 1091 Landing Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91297 - 18 Cust. #: 9B Material: Linoleum Cream w/ Rectangles Location: Unit 1091 Landing Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91297 - 19 Cust. #: 10A Material: 12"x12" FT Cream w/ Square Pattern Location: Unit 1091 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 19a Cust. #: 10A Material: Mastic Location: Unit 1091 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 20 Cust. #: 10B Material: 12"x12" FT Cream w/ Square Pattern Location: Unit 1091 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91297 - 20a Cust. #: 10B Material: Mastic Location: Unit 1091 1st Fl Bath Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Brighton, MI 48116

ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 21 Cust. #: 11A Material: Linoleum Brown w/ White Lines Location: Unit 1091 Kitchen Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91297 - 22 Cust. #: 11B Material: Linoleum Brown w/ White Lines Location: Unit 1091 Kitchen Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91297 - 23 Cust. #: 12A Material: Brown Plank Faux Wood Location: Unit 1091 Dining Room Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91297
Date Collected: 09/02/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91297 - 24 Cust. #: 12B Material: Brown Plank Faux Wood Location: Unit 1091 Dining Room Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%
Lab ID #: 91297 - 25 Cust. #: 13A Material: Roofing Red Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 91297 - 26 Cust. #: 13B Material: Roofing Red Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%

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Apex # **91297**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____
TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-2-2020
Project: 1083 - 1091 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	White Drywall + Joint compound / unit 1083			
	1B	" / unit 1085			
	2A	12"x12" floor tile tan, cream, brown faux stone pattern / unit 1083 Kitchen			
	2B	"			
	3A	white sink undercoating / unit 1083 Kitchen			
	3B	"			
	4A	white counter caulk / unit 1083 Kitchen			
	4B	"			
	5A	Gray grout / 2nd floor Bath unit 1083			
	5B	"			
	6A	White caulk / unit 1085 2nd fl Bath tub			
	6B	↓ / unit 1085 2nd fl Bath Sink			

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: SEP 11 2020 BL 0800
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Apex # **91297** Page **2**

APEX Research, Inc.

1054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Date of Survey: 9-2-2020
Project: 1093 - 1091 Field Street
Project # 3-TF284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com
Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush | 24 hour | 48 hour | (72 hour) | Other:
Samples received after 3pm logged in next morning
TTP (yes) / no (Test Till Positive)

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	12"x12" Floor tile Cream w Tan+Brown	streaks / unit 1055		Kitchen
	7B	"			
	8A	4" Cream covebase / 1st Fl Bath unit		1085	
	8B	"			
	9A	Linoleum cream with rectangles / unit 1091			Landing
	9B	"			
	10A	12"x12" floor tile cream w square pattern / unit 1091			1st Fl Bath
	10B	"			
	11A	Linoleum Brown with white lines Large rectangles / unit			1091 Kitchen
	11B	"			
	12A	Brown plank faux wood / unit	1091		Dining room
	12B	"			

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: SEP 11 2020 BL 0800 APEX RESEARCH

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

2 of 3 Pages

Apex # **91297** Page **3**

APEX Research, Inc.

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Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____
Samples received after 3pm logged in next morning
TTP (yes) / no (Test Till Positive)

Date of Survey: 9-2-2020
Project: 1083-1091 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	Roofing Red Asphalt Shingles | Roof			
	13B	11			
		RECEIVED			

Relinquished By: J. Tinsley
Date: 9-8-2020

Received By: SEP 11 2020
Time/Date: BL 08:00
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Revision R4 Date: May/2017

3 of 3 pages

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Unit 1090 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91294 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Unit 1090 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91294 - 03 Cust. #: 2A Material: White Drywall Location: Unit 1090 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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Date Collected: 09/03/20
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Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 1090 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 04 Cust. #: 2B Material: White Drywall Location: Unit 1094 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91294 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 1094 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/03/20
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Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 05 Cust. #: 3A Material: White Sink Undercoating Location: Unit 1090 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91294 - 06 Cust. #: 3B Material: White Sink Undercoating Location: Unit 1090 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91294 - 07 Cust. #: 4A Material: Brown Plank Flooring w/ Faux Wood Location: Unit 1090 Kitchen Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

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Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 08 Cust. #: 4B Material: Brown Plank Flooring w/ Faux Wood Location: Unit 1090 Kitchen Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91294 - 09 Cust. #: 5A Material: 4" Tan Cove Base Location: Unit 1090 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 09a Cust. #: 5A Material: Glue Location: Unit 1090 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 10 Cust. #: 5B Material: 4" Tan Cove Base Location: Unit 1090 1st Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 10a Cust. #: 5B Material: Glue Location: Unit 1090 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 11 Cust. #: 6A Material: White Caulk Location: Unit 1090 1st Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 12 Cust. #: 6B Material: White Caulk Location: Unit 1090 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 13 Cust. #: 7A Material: Linoleum Square Pattern Location: Unit 1090 2nd Fl Bath Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91294 - 14 Cust. #: 7B Material: Linoleum Square Pattern Location: Unit 1090 2nd Fl Bath Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 15 Cust. #: 8A Material: 4" White Cove Base Location: Unit 1090 1st Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 15a Cust. #: 8A Material: Glue Location: Unit 1090 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 16 Cust. #: 8B Material: 4" White Cove Base Location: Unit 1090 1st Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project : 1090-1094 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
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Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 16a Cust. #: 8B Material: Glue Location: Unit 1090 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 17 Cust. #: 9A Material: 12"x12" FT Cream/Tan Checkerboard Location: Unit 1094 Dining Room Appearance: white,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 17a Cust. #: 9A Material: Glue Location: Unit 1094 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

Report To:
Mr. David Amir
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Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 17b Cust. #: 9A Material: Pink Floor Tile Location: Unit 1094 Dining Room Appearance: pink,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 17c Cust. #: 9A Material: Glue Location: Unit 1094 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 18 Cust. #: 9B Material: 12"x12" FT Cream/Tan Checkerboard Location: Unit 1094 Dining Room Appearance: white,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 18a Cust. #: 9B Material: Glue Location: Unit 1094 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 18b Cust. #: 9B Material: Pink Floor Tile Location: Unit 1094 Dining Room Appearance: pink,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 18c Cust. #: 9B Material: Glue Location: Unit 1094 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 19 Cust. #: 10A Material: Linoleum Specks Brown/White/Tan Location: Unit 1094 Entry Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 2% Other - 83%
Lab ID #: 91294 - 20 Cust. #: 10B Material: Linoleum Specks Brown/White/Tan Location: Unit 1094 Entry Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 5% Other - 80%
Lab ID #: 91294 - 21 Cust. #: 11A Material: White Caulk Location: Unit 1094 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project : 1090-1094 Field Street

Project # :3-11284

Report To:
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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 22 Cust. #: 11B Material: White Caulk Location: Unit 1094 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 23 Cust. #: 12A Material: Grey Grout Location: Unit 1094 2nd Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91294 - 24 Cust. #: 12B Material: Grey Grout Location: Unit 1094 2nd Fl Bath Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project : 1090-1094 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91294
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/16/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91294 - 25 Cust. #: 13A Material: Roofing Orange Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 91294 - 26 Cust. #: 13B Material: Roofing Orange Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

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Apex # **91294**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800

Date of Survey: 9-3-2020
Project: 1090-1094 Field street
Project # 3-112284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration dampener / unit 1090	Basement		
	1B	"			
	2A	White Drywall + joint compound / unit	1090		
	2B	" / unit 1094			
	3A	White sink undercoating / unit	1090	Kitchen	
	3B	"			
	4A	Brown plank flooring with faux wood pattern	/ 1090	Kitchen	
	4B	" / 1090 Dining room			
	5A	4" Tan covebase / unit 1090	1st Floor Bath		
	5B	"			
	6A	White caulk / unit 1090	1st floor Bath		
	6B	" / unit 1090	2nd floor Bath		

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

RECEIVED
Received By: _____
Time/Date: SEP 11 2020 0000 BL
APEX RESEARCH

Relinquished By: _____
Date: _____

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Time/Date: _____

Apex # **91294** Page **2**

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Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

Samples received after 3pm logged in next morning

TTP (yes) / no (Test Till Positive)

Date of Survey: 9-3-2020
Project: 1090 - 1094
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe ASTM E1792? circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	Linoleum Square pattern lun	t 1090	2nd Fl	Bath
	7B	"			
	8A	4" White coveboose / unit 1090	1st Fl	Bath	
	8B	"			
	9A	12"x12" floor tile cream+TAN che	kerboard / unit	1094	Dining room
	9B	"			
	10A	Linoleum specks brown, white tan/	unit 1094	Entry	
	10B	"			
	11A	White caulk / unit 1094 2nd	Fl Bath		
	11B	"			
	12A	Gray grout / unit 1094 2nd Fl	Bath		
	12B	"			

Relinquished By: J Tinsley
Date: 9.9.2020

Revision R4 Date: May/2017

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SEP 11 2020
0800
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Received By: _____
Time/Date: _____

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Date: _____

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Time/Date: _____

Apex # **91294** Page **3**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: _____ TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-3-2020
Project: 1090-1094 Field street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	Roofing Drange asphalt shingles / roof			
	13B	11			

RECEIVED
SEP 11 2020
0800 BR
APEX RESEARCH

Relinquished By: Jill Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: _____
Time/Date: _____

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Date: _____

Received By: _____
Time/Date: _____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91293
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 01 Cust. #: 1A Material: Grey Vibration Dampener Location: Unit 1100 Basement Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 20% Other - 80%
Lab ID #: 91293 - 02 Cust. #: 1B Material: Grey Vibration Dampener Location: Unit 1100 Basement Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 20% Other - 80%
Lab ID #: 91293 - 03 Cust. #: 2A Material: Black Vibration Dampener Location: Unit 1100 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project : 1100-1108 Field Street
Project # :3-11284

Report To:
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Brighton, MI 48116

ARI Report # 20-91293
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 04 Cust. #: 2B Material: Black Vibration Dampener Location: Unit 1100 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91293 - 05 Cust. #: 3A Material: White Drywall Location: Unit 1100 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%
Lab ID #: 91293 - 05a Cust. #: 3A Material: Joint Compound Location: Unit 1100 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91293
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 06 Cust. #: 3B Material: White Drywall Location: Unit 1108 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%
Lab ID #: 91293 - 06a Cust. #: 3B Material: Joint Compound Location: Unit 1108 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 07 Cust. #: 4A Material: White Sink Undercoat Location: Unit 1100 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91293
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 08 Cust. #: 4B Material: White Sink Undercoat Location: Unit 1100 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91293 - 09 Cust. #: 5A Material: White Caulk Location: Unit 1100 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 10 Cust. #: 5B Material: White Caulk Location: Unit 1100 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91293
Date Collected: 09/03/20
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Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 11 Cust. #: 6A Material: 12"x12" FT White/Tan Square Location: Unit 1100 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 11a Cust. #: 6A Material: Glue Location: Unit 1100 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 11b Cust. #: 6A Material: Pink Floor Tile Location: Unit 1100 Kitchen Appearance: pink,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91293
Date Collected: 09/03/20
Date Received: 09/11/20
Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 11c Cust. #: 6A Material: Glue Location: Unit 1100 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 12 Cust. #: 6B Material: 12"x12" FT White/Tan Square Location: Unit 1100 Dining Room Appearance: white,nonfibrous,homogenous Layer: 1 of 6	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 12a Cust. #: 6B Material: Glue Location: Unit 1100 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 6	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project # :3-11284

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Date Collected: 09/03/20
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Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 12b Cust. #: 6B Material: Pink Floor Tile Location: Unit 1100 Dining Room Appearance: pink,nonfibrous,homogenous Layer: 3 of 6	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 12c Cust. #: 6B Material: Glue Location: Unit 1100 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 4 of 6	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 12d Cust. #: 6B Material: White Floor Tile Location: Unit 1100 Dining Room Appearance: white,nonfibrous,homogenous Layer: 5 of 6	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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Date Collected: 09/03/20
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Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 12e Cust. #: 6B Material: Glue Location: Unit 1100 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 6 of 6	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 13 Cust. #: 7A Material: Linoleum Tan w/ Brown/White/Grey Location: 1100 Entry Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91293 - 14 Cust. #: 7B Material: Linoleum Tan w/ Brown/White/Grey Location: 1108 Entry Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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Date Collected: 09/03/20
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Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 15 Cust. #: 8A Material: 6" Cream Cove Base Location: Unit 1100 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 15a Cust. #: 8A Material: Glue Location: Unit 1100 2nd Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 16 Cust. #: 8B Material: 6" Cream Cove Base Location: Unit 1100 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 16a Cust. #: 8B Material: Glue Location: Unit 1100 2nd Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 17 Cust. #: 9A Material: Linoleum Tan/Cream/Brown Faux Stone Location: Unit 1100 2nd Fl Bath Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91293 - 18 Cust. #: 9B Material: Linoleum Tan/Cream/Brown Faux Stone Location: Unit 1100 2nd Fl Bath Appearance: brown,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

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Date Collected: 09/03/20
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Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 19 Cust. #: 10A Material: White Caulk Location: Unit 1100 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 20 Cust. #: 10B Material: White Caulk Location: Unit 1108 2nd Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 21 Cust. #: 11A Material: 12"x12" FT Cream w/ Brown Streak Location: Unit 1108 Kitchen Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/03/20
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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 21a Cust. #: 11A Material: Glue Location: Unit 1108 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 22 Cust. #: 11B Material: 12"x12" FT Cream w/ Brown Streak Location: Unit 1108 Dining Room Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 22a Cust. #: 11B Material: Glue Location: Unit 1108 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/03/20
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Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 23 Cust. #: 12A Material: Grey Grout Location: Unit 1108 Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 24 Cust. #: 12B Material: Grey Grout Location: Unit 1108 Bathroom Appearance: grey,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 25 Cust. #: 13A Material: 12"x12" White w/ Grey Streaks Location: Unit 1104 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 25a Cust. #: 13A Material: Glue Location: Unit 1104 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 26 Cust. #: 13B Material: 12"x12" White w/ Grey Streaks Location: Unit 1104 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 26a Cust. #: 13B Material: Glue Location: Unit 1104 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 27 Cust. #: 14A Material: Brownish/Grey Grout Location: Unit 1104 Bath 2nd Fl Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 28 Cust. #: 14B Material: Brownish/Grey Grout Location: Unit 1104 Bath 2nd Fl Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91293 - 29 Cust. #: 15A Material: Roofing Green Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

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Date Analyzed: 09/15/20
Date Reported: 09/16/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91293 - 30 Cust. #: 15B Material: Roofing Green Asphalt Shingles Location: Roof Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

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Apex # **91293**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____ | TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-3-2020
Project: 1100-1108 Field Street
Project # 3-TT284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Gray Vibration Dampener / unit 1100		Basement	
	1B	"			
	2A	Black vibration Dampener / unit 1100		Basement	
	2B	"			
	3A	White Drywall + Joint compound / unit 1100			
	3B	" / unit 1108			
	4A	White sink undercoat / unit 1100		Kitchen	
	4B	"			
	5A	white Counter / unit 1100		Kitchen	
	5B	"			
	6A	12"x12" floor tile white+tan square pattern / unit 1100		Kitchen	
	6B	" / unit 1100		Dining room	

RECEIVED
SEP 11 2020
APEX RESEARCH

Relinquished By: J. Tinsley
Date: 9.8.2020
Revision R4 Date: May/2017

Received By: _____
Time/Date: _____

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

1 of 3

Apex # **91293** Page **2**

APEX Research, Inc.

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Date of Survey: 9-3-2020
Project: 1100-1108 Field
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Lab Use Only
Log-In:
Report:
Fax:
Verbal:
Email:

Rush | 24 hour | 48 hour | (72 hour) | Other: ____ | TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	Linoleum Tan with Brown, white, gray specks / 1100 Entry			
	7B	" / 1108 Entry			
	8A	6" Cream Cove base / unit 1100 2nd Fl Bath			
	8B	"			
	9A	Linoleum Tan, cream + Brown faux stone pattern / unit 1100 2nd Fl Bath			
	9B	"			
	10A	white Caulk / unit 1100 2nd Fl Bath			
	10B	" / unit 1108 2nd Fl Bath			
	11A	12"x12" Floor tile cream w/ brown streak / unit 1108 Kitchen			
	11B	" / unit 1108 Dining room			
	12A	Gray grout / unit 1108 Bathroom			
	12B	"			

RECEIVED
SEP 11 2020
APEX RESEARCH

Relinquished By: J. Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: ____
Time/Date: ____

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

Apex # **91293** Page **3**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____
TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-3-2020
Project: 1100 - 1108 Field Street
Project # 3-IT284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	13A	12"x12" White w gray streaks / unit 1	04		
	13B	" "			
	14A	Brownish / Gray Grout / unit 1104	Bath 2nd	Fl	
	14B	" "			
	15A	Roofing Green Asphalt shingles /	Roof		
	15B	↓			
		RECEIVED			

Relinquished By: J Tinsley
Date: 9-8-2020
Revision R4 Date: May/2017

Received By: SEP 11 2020
Time/Date: APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Unit 1448 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91335 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Unit 1448 Basement Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91335 - 03 Cust. #: 2A Material: White Drywall Location: Unit 1448 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Project # :3-11284

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ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 1448 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 04 Cust. #: 2B Material: White Drywall Location: Unit 1452 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91335 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 1452 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 05 Cust. #: 3A Material: 12"x12" FT Tan/Grey/Cream/Brown Location: 1st Fl Bath Unit 1448 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 05a Cust. #: 3A Material: Glue Location: 1st Fl Bath Unit 1448 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 06 Cust. #: 3B Material: 12"x12" FT Tan/Grey/Cream/Brown Location: 1st Fl Bath Unit 1448 Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 06a Cust. #: 3B Material: Glue Location: 1st Fl Bath Unit 1448 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 07 Cust. #: 4A Material: 12"x12" FT Grey Cream/White Location: Unit 1448 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 07a Cust. #: 4A Material: Glue Location: Unit 1448 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 08 Cust. #: 4B Material: 12"x12" FT Grey Cream/White Location: Unit 1448 Kitchen Appearance: grey,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 08a Cust. #: 4B Material: Glue Location: Unit 1448 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 09 Cust. #: 5A Material: White Sink Undercoating Location: Unit 1448 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%

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ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 10 Cust. #: 5B Material: White Sink Undercoating Location: Unit 1448 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91335 - 11 Cust. #: 6A Material: Cream 4" Cove Base Location: 1st Fl Bath Unit 1448 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 11a Cust. #: 6A Material: Glue Location: 1st Fl Bath Unit 1448 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 12 Cust. #: 6B Material: Cream 4" Cove Base Location: 1st Fl Bath Unit 1448 Appearance: white,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 12a Cust. #: 6B Material: Glue Location: 1st Fl Bath Unit 1448 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 13 Cust. #: 7A Material: White Caulk Location: Unit 1448 Sink Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 14 Cust. #: 7B Material: White Caulk Location: Unit 1448 Sink Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 15 Cust. #: 8A Material: Grey Grout Location: Unit 1448 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 16 Cust. #: 8B Material: Grey Grout Location: Unit 1448 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 17 Cust. #: 9A Material: 12"x12" Pink/Cream w/ Tan Streaks Location: Unit 1452 Dining Room Appearance: pink,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 17a Cust. #: 9A Material: Glue Location: Unit 1452 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 17b Cust. #: 9A Material: White Floor Tile Location: Unit 1452 Dining Room Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91335
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 17c Cust. #: 9A Material: Glue Location: Unit 1452 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 18 Cust. #: 9B Material: 12"x12" Pink/Cream w/ Tan Streaks Location: Unit 1452 Dining Room Appearance: pink,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 18a Cust. #: 9B Material: Glue Location: Unit 1452 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 18b Cust. #: 9B Material: White Floor Tile Location: Unit 1452 Dining Room Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 18c Cust. #: 9B Material: Glue Location: Unit 1452 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 19 Cust. #: 10A Material: 4" Tan Cove Base Location: Unit 1452 1st Fl Bathroom Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 19a Cust. #: 10A Material: Glue Location: Unit 1452 1st Fl Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 20 Cust. #: 10B Material: 4" Tan Cove Base Location: Unit 1452 1st Fl Bathroom Appearance: beige,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91335 - 20a Cust. #: 10B Material: Glue Location: Unit 1452 1st Fl Bathroom Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 21 Cust. #: 11A Material: Linoleum Brown/Grey/Rust/White Location: Entry Unit 1452 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91335 - 22 Cust. #: 11B Material: Linoleum Brown/Grey/Rust/White Location: Entry Unit 1452 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91335 - 23 Cust. #: 12A Material: Black Asphalt Shingles Location: Roof Unit 1452 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

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Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/16/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91335 - 24 Cust. #: 12B Material: Black Asphalt Shingles Location: Roof Unit 1452 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification,approval, or endorsement by NVLAP, NIST, or any agency of the US Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Apex # **91335** Page **1**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

Samples received after 3pm logged in next morning

TTP (yes) / no (Test Till Positive)

Date of Survey: 9-4-2020
Project: 1448 - 1452 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration dampener / unit 1448	Basement		
	1B	↓			
	2A	White Drywall + joint compound / unit	1448		
	2B	↓ / unit 1452			
	3A	12"x12" Floor tile Tan, gray, Cream + Brown w/ Diamond center	1st Fl Bath unit 1448		
	3B	↓			
	4A	12"x12" Floor tile Gray cream + white / unit 1448	Kitchen		
	4B	↓			
	5A	White sink under coating / unit 1448	Kitchen		
	5B	↓			
	6A	Cream 4" Covebase / 1st Fl Bath unit 1448			
	6B	↓			

Relinquished By: J. Tinsley
Date: 9-14-2020

Received By: RECEIVED
Time/Date: 1020 SEP 14 2020
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Revision R4 Date: May/2017

Apex # **91335** Page **2**

APEX Research, Inc.

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Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____ | TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-4-2020
Project: 1448-1452 Field street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	White caulk / unit 1448 sink			
	7B	↓			
	8A	Gray Grout / unit 1448 2nd Fl Bathroom			
	8B	↓			
	9A	12"x12" pink + cream w Tan streaks / unit 1452 Dining room			
	9B	↓			
	10A	4" Tan covebase / unit 1452 1st floor Bathroom			
	10B	↓			
	11A	Linoleum brown, gray, rust + white / Entry unit 1452			
	11B	↓			
	12A	Black asphalt shingles / Roof unit 1452			
	12B	↓			

Relinquished By: J. Tinsley
Date: 9-14-2020
Revision R4 Date: May/2017

Received By: [signature]
Time/Date: SEP 14 2020

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

APEX RESEARCH

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Unit 1462 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91337 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Unit 1462 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91337 - 03 Cust. #: 2A Material: Joint Compound Location: Unit 1462 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 04 Cust. #: 2B Material: Joint Compound Location: Unit 1458 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 05 Cust. #: 3A Material: White Sink Undercoat Location: Unit 1462 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91337 - 06 Cust. #: 3B Material: White Sink Undercoat Location: Unit 1462 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 07 Cust. #: 4A Material: Brown Plank Flooring Faux Wood Location: Unit 1462 Dining Appearance: grey,fibrous,homogenous Layer: 1 of 5	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%
Lab ID #: 91337 - 07a Cust. #: 4A Material: Floor Tile Location: Unit 1462 Dining Appearance: beige,nonfibrous,homogenous Layer: 2 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 07b Cust. #: 4A Material: Mastic Location: Unit 1462 Dining Appearance: clear,nonfibrous,homogenous Layer: 3 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested and to insure the integrity of the results, may only be reproduced in full. This certificate must not be used by the customer to claim product certification, approval, or endorsement by NVLAP, NIST, or any agency of the Federal Government. APEX Research Inc. is not responsible for the accuracy of the results for layered samples or samples comprising multiple materials. Liability limited to cost of analysis.

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 07c Cust. #: 4A Material: Floor Tile Location: Unit 1462 Dining Appearance: pink,nonfibrous,homogenous Layer: 4 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 07d Cust. #: 4A Material: Mastic Location: Unit 1462 Dining Appearance: yellow,nonfibrous,homogenous Layer: 5 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 08 Cust. #: 4B Material: Brown Plank Flooring Faux Wood Location: Unit 1462 Dining Appearance: grey,fibrous,homogenous Layer: 1 of 5	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 08a Cust. #: 4B Material: Floor Tile Location: Unit 1462 Dining Appearance: beige,nonfibrous,homogenous Layer: 2 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 08b Cust. #: 4B Material: Mastic Location: Unit 1462 Dining Appearance: clear,nonfibrous,homogenous Layer: 3 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 08c Cust. #: 4B Material: Floor Tile Location: Unit 1462 Dining Appearance: pink,nonfibrous,homogenous Layer: 4 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 08d Cust. #: 4B Material: Mastic Location: Unit 1462 Dining Appearance: yellow,nonfibrous,homogenous Layer: 5 of 5	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 09 Cust. #: 5A Material: White Caulk Location: Unit 1462 1st Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 10 Cust. #: 5B Material: White Caulk Location: Unit 1462 1st Fl Bath Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 11 Cust. #: 6A Material: Grey Grout Location: Unit 1462 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 12 Cust. #: 6B Material: Grey Grout Location: Unit 1462 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 13 Cust. #: 7A Material: 12"x12" FT Brown Basket Weave Location: Unit 1458 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 13a Cust. #: 7A Material: Mastic Location: Unit 1458 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 14 Cust. #: 7B Material: 12"x12" FT Brown Basket Weave Location: Unit 1458 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91337 - 14a Cust. #: 7B Material: Mastic Location: Unit 1458 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91337
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91337 - 15 Cust. #: 8A Material: Orange Asphalt Shingle Location: Unit 1458 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 91337 - 16 Cust. #: 8B Material: Orange Asphalt Shingle Location: Unit 1458 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Apex # **91337** Page **1**

APEX Research, Inc.

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Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-4-2020
Project: 1458 + 1462 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration dampener / unit 1462	Basement		
	1B	↓			
	2A	White drywall + joint compound / unit	1462		
	2B	↓ / unit 1458			
	3A	White sink undercoat / unit 1462	Kitchen		
	3B	↓			
	4A	Brown plank flooring faux wood pattern / unit	1462 Dining		
	4B	↓			
	5A	White Caulk / unit 1462	1st floor Bath		
	5B	↓			
	6A	Gray Grout / unit 1462	2nd Fl Bathroom		
	6B	↓			

Relinquished By: J. Tinsley
Date: 9-14-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: 1030 SEP 14 2020

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

APEX RESEARCH 1 of 2 pages

Apex # **91337** Page **2**

APEX Research, Inc.

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Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-4-2020
Project: 1458 & 1462 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	12"x12" Floortile Brown Basket weave faux wood		/unit	1458 Dining room
	7B	↓			
	8A	Orange Asphalt shingle /unit 1458			
	8B	↓			

RECEIVED
SEP 14 2020

Relinquished By: J. Tinsley
Date: 9-14-2020
Revision R4 Date: May/2017

Received By: _____
Time/Date: _____

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 01 Cust. #: 1A Material: Block Vibration Dampener Location: Unit 1470 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91338 - 02 Cust. #: 1B Material: Block Vibration Dampener Location: Unit 1470 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91338 - 03 Cust. #: 2A Material: White Drywall Location: Unit 1470 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 1470 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 04 Cust. #: 2B Material: White Drywall Location: Unit 1474 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 2% Other - 78%
Lab ID #: 91338 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 1474 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street

Project # :3-11284

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ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 05 Cust. #: 3A Material: Brown Plank Flooring Location: Unit 1470 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 05a Cust. #: 3A Material: Mastic Location: Unit 1470 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 05b Cust. #: 3A Material: Linoleum Location: Unit 1470 Dining Room Appearance: beige,fibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%

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Project : 1470 - 1474 Field Street

Project # :3-11284

Report To:
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Brighton, MI 48116

ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 06 Cust. #: 3B Material: Brown Plank Flooring Location: Unit 1470 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 06a Cust. #: 3B Material: Mastic Location: Unit 1470 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 06b Cust. #: 3B Material: Linoleum Location: Unit 1470 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 10% Other - 90%

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ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 07 Cust. #: 4A Material: White Sink Undercoating Location: Unit 1470 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91338 - 08 Cust. #: 4B Material: White Sink Undercoating Location: Unit 1470 Kitchen Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%
Lab ID #: 91338 - 09 Cust. #: 5A Material: Grey Grout Location: Unit 1470 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 10 Cust. #: 5B Material: Grey Grout Location: Unit 1470 2nd Fl Bathroom Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 11 Cust. #: 6A Material: White Caulk Location: Unit 1470 Bathroom Sink Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 12 Cust. #: 6B Material: White Caulk Location: Unit 1470 Bathroom Tub Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 13 Cust. #: 7A Material: 12"x12" Cream/Pink Location: Unit 1474 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 13a Cust. #: 7A Material: Mastic Location: Unit 1474 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 13b Cust. #: 7A Material: Floor Tile Location: Unit 1474 Dining Room Appearance: pink,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

Report To:
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ASTI Environmental
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Brighton, MI 48116

ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 13c Cust. #: 7A Material: Mastic Location: Unit 1474 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 14 Cust. #: 7B Material: 12"x12" Cream/Pink Location: Unit 1474 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 14a Cust. #: 7B Material: Mastic Location: Unit 1474 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Project # :3-11284

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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 14b Cust. #: 7B Material: Floor Tile Location: Unit 1474 Dining Room Appearance: pink,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 14c Cust. #: 7B Material: Mastic Location: Unit 1474 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91338 - 15 Cust. #: 8A Material: Linoleum Grey/White/Tan Pebbles Location: Unit 1474 Entry Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 5% Other - 80%

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Project : 1470 - 1474 Field Street

Project # :3-11284

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Brighton, MI 48116

ARI Report # 20-91338
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91338 - 16 Cust. #: 8B Material: Linoleum Grey/White/Tan Pebbles Location: Unit 1474 Entry Appearance: beige,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 15% Fiberglass - 5% Other - 80%
Lab ID #: 91338 - 17 Cust. #: 9A Material: Black Asphalt Shingle Location: Unit 1470 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%
Lab ID #: 91338 - 18 Cust. #: 9B Material: Black Asphalt Shingle Location: Unit 1470 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 15% Other - 85%

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Apex # **91338** Page **1**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-4-2020
Project: 1470 + 1474 Field Street
Project # 3-TT284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black vibration Dampener / unit 1470 Basement			
	1B	↓			
	2A	White drywall + joint compound / unit 1470			
	2B	↓ / unit 1474			
	3A	Brown plank flooring / unit 1470 Dining room			
	3B	↓			
	4A	White sink undercoating / unit 1470 Kitchen			
	4B	↓			
	5A	Gray grout / unit 1470 2nd floor Bathroom			
	5B	↓			
	6A	White caulk / unit 1470 Bathroom sink			
	6B	↓ / unit 1470 Bathroom Tub			

Relinquished By: J Tinsley
Date: 9-14-2020
Revision R4 Date: May/2017

Received By: RECEIVED
Time/Date: 10&C
SEP 14 2020
APEX RESEARCH

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

Apex # **91338** Page **2**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

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Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush 24 hour
48 hour (72 hour)
Other: TTP (yes) / no (Test Till Positive)
Samples received after 3pm logged in next morning

Date of Survey: 9-4-2020
Project: 1470 & 1474 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	12"x12" cream + pink tunit 1474 Dining room			
	7B	↓			
	8A	Linoleum gray, white, tan pebbles / unit 1474 Entry			
	8B	↓			
	9A	Black asphalt shingle / unit 1470			
	9B	↓			

Relinquished By: J. Tinsley
Date: 9-14-2020

Received By: RECEIVED
Time/Date: SEP 14 2020

Relinquished By: ____
Date: ____

Received By: ____
Time/Date: ____

APEX RESEARCH

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1481-1485 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91334
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91334 - 01 Cust. #: 1A Material: Black Vibration Dampener Location: Basement Unit 1481 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91334 - 02 Cust. #: 1B Material: Black Vibration Dampener Location: Basement Unit 1481 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Synthetic - 20% Other - 80%
Lab ID #: 91334 - 03 Cust. #: 2A Material: White Drywall Location: Unit 1481 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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Project : 1481-1485 Field Street
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ARI Report # 20-91334
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91334 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 1481 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91334 - 04 Cust. #: 2B Material: White Drywall Location: Unit 1485 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 5% Other - 75%
Lab ID #: 91334 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 1485 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91334 - 05 Cust. #: 3A Material: White Sink Undercoat Location: Kitchen Unit 1481 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91334 - 06 Cust. #: 3B Material: White Sink Undercoat Location: Kitchen Unit 1481 Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91334 - 07 Cust. #: 4A Material: Linoleum Brown/White w/ Square Location: Kitchen Unit 1481 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

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Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91334 - 08 Cust. #: 4B Material: Linoleum Brown/White w/ Square Location: Kitchen Unit 1481 Appearance: brown,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%
Lab ID #: 91334 - 09 Cust. #: 5A Material: Grey Grout Location: 2nd Fl Bathroom Unit 1485 Appearance: white,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91334 - 10 Cust. #: 5B Material: Grey Grout Location: 2nd Fl Bathroom Unit 1485 Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1481-1485 Field Street
Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91334
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91334 - 11 Cust. #: 6A Material: Black Asphalt Shingle Roofing Location: Roof 1485 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: 91334 - 12 Cust. #: 6B Material: Black Asphalt Shingle Roofing Location: Roof 1485 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Apex # **91334**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

Samples received after 3pm logged in next morning

TTP (yes) / no (Test Till Positive)

Date of Survey: 9-4-2020
Project: 1481 - 1485 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Black Vibration Dampener / Basement	unit 1481		
	1B	↓			
	2A	White Drywall + Jointcompound / unit 1481			
	2B	↓ / unit 1485			
	3A	White sink undercoat / Kitchen unit 1481			
	3B	↓			
	4A	Linoleum Brown+white w square pattern / Kitchen	unit 1481		
	4B	↓ / Kitchen unit 1481			
	5A	Gray Grout / 2nd Floor Bathroom unit	1485		
	5B	↓			
	6A	Black asphalt shingle Roofing / Roof 1485			
	6B	↓			

RECEIVED

Relinquished By: J. Tinsley
Date: 9-14-2020
Revision R4 Date: May/2017

Received By: _____
Time/Date: 1030 SEP 14 2020

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

APEX RESEARCH

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 01 Cust. #: 1A Material: Grey Vibration Dampener Location: Unit 1491 Basement Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 20% Other - 80%
Lab ID #: 91336 - 02 Cust. #: 1B Material: Grey Vibration Dampener Location: Unit 1491 Basement Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 20% Other - 80%
Lab ID #: 91336 - 03 Cust. #: 2A Material: White Drywall Location: Unit 1491 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Other - 80%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 03a Cust. #: 2A Material: Joint Compound Location: Unit 1491 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 1% Other - 99%
Lab ID #: 91336 - 04 Cust. #: 2B Material: White Drywall Location: Unit 1495 Appearance: white,fibrous,nonhomogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 20% Fiberglass - 1% Other - 79%
Lab ID #: 91336 - 04a Cust. #: 2B Material: Joint Compound Location: Unit 1495 Appearance: white,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 05 Cust. #: 3A Material: White Sink Undercoating Location: Unit 1491 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91336 - 06 Cust. #: 3B Material: White Sink Undercoating Location: Unit 1491 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Other - 90%
Lab ID #: 91336 - 07 Cust. #: 4A Material: 12"x12" FT Tan/Brown/Cream Location: Kitchen Unit 1491 Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

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Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
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ASTI Environmental
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Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 07a Cust. #: 4A Material: Glue Location: Kitchen Unit 1491 Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 08 Cust. #: 4B Material: 12"x12" FT Tan/Brown/Cream Location: Kitchen Unit 1491 Appearance: brown,nonfibrous,homogenous Layer: 1 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 08a Cust. #: 4B Material: Glue Location: Kitchen Unit 1491 Appearance: clear,nonfibrous,homogenous Layer: 2 of 2	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

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Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
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Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 09 Cust. #: 5A Material: 12"x12" FT Pink/Cream Location: 1st Fl Bath Unit 1491 Appearance: pink,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 09a Cust. #: 5A Material: Glue Location: 1st Fl Bath Unit 1491 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 09b Cust. #: 5A Material: White Floor Tile Location: 1st Fl Bath Unit 1491 Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
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ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 09c Cust. #: 5A Material: Glue Location: 1st Fl Bath Unit 1491 Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 10 Cust. #: 5B Material: 12"x12" FT Pink/Cream Location: 1st Fl Bath Unit 1491 Appearance: pink,nonfibrous,homogenous Layer: 1 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 10a Cust. #: 5B Material: Glue Location: 1st Fl Bath Unit 1491 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 10b Cust. #: 5B Material: White Floor Tile Location: 1st Fl Bath Unit 1491 Appearance: white,nonfibrous,homogenous Layer: 3 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 10c Cust. #: 5B Material: Glue Location: 1st Fl Bath Unit 1491 Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 11 Cust. #: 6A Material: Brown 4" Cove Base Location: 1st Fl Bath Unit 1491 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%

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Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 12 Cust. #: 6B Material: Brown 4" Cove Base Location: 1st Fl Bath Unit 1491 Appearance: brown,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 13 Cust. #: 7A Material: Linoleum Grey/Brown/Tan Pebble Location: Entry Unit 1491 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%
Lab ID #: 91336 - 14 Cust. #: 7B Material: Linoleum Grey/Brown/Tan Pebble Location: Entry Unit 1491 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 15 Cust. #: 8A Material: Grey Grout Location: Unit 1491 2nd Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 16 Cust. #: 8B Material: Grey Grout Location: Unit 1491 2nd Fl Bath Appearance: beige,nonfibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 17 Cust. #: 9A Material: Brown Planking Flooring Faux Wood Location: Unit 1495 Dining Room Appearance: grey,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
Mr. David Amir
ASTI Environmental
10448 Citation Dr., Suite 100
Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 17a Cust. #: 9A Material: Floor Tile Location: Unit 1495 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 17b Cust. #: 9A Material: Glue Location: Unit 1495 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 100%
Lab ID #: 91336 - 18 Cust. #: 9B Material: Brown Planking Flooring Faux Wood Location: Unit 1495 Dining Room Appearance: grey,fibrous,nonhomogenous Layer: 1 of 3	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 5% Other - 95%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Certificate of Laboratory Analysis

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Project : 1491 & 1495 Field Street

Project # :3-11284

Report To:
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Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 18a Cust. #: 9B Material: Floor Tile Location: Unit 1495 Dining Room Appearance: beige,nonfibrous,homogenous Layer: 2 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 10%
Lab ID #: 91336 - 18b Cust. #: 9B Material: Glue Location: Unit 1495 Dining Room Appearance: clear,nonfibrous,homogenous Layer: 3 of 3	Asbestos Present: **NO** No Asbestos Observed	Other - 10%
Lab ID #: 91336 - 19 Cust. #: 10A Material: Brown Asphalt Shingle Location: Roof Unit 1491 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%

For Layered Samples, each component will be analyzed and reported separately.

Robert T. Letarte Jr., Laboratory Director

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Brighton, MI 48116

ARI Report # 20-91336
Date Collected: 09/04/20
Date Received: 09/14/20
Date Analyzed: 09/17/20
Date Reported: 09/17/20

Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91336 - 20 Cust. #: 10B Material: Brown Asphalt Shingle Location: Roof Unit 1491 Appearance: black,fibrous,homogenous Layer: 1 of 1	Asbestos Present: **NO** No Asbestos Observed	Fiberglass - 30% Other - 70%
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	
Lab ID #: Cust. #: Material: Location: Appearance: Layer: of	Asbestos Present:	

For Layered Samples, each component will be analyzed and reported separately.

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Apex # **91336** Page **1**

APEX Research, Inc.

11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (circle one) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-4-2020
Project: 1491 + 1495 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	1A	Gray Vibration Dampener / unit 1491 Basement			
	1B	↓			
	2A	White Drywall + Joint compound / unit 1491			
	2B	↓ / unit 1495			
	3A	White sink undercoating / unit 1491 Kitchen			
	3B	↓			
	4A	12"x12" Floor tile ~~Tan~~ Brown + Cream / ~~1st floor Bathroom~~ Kitchen unit 1491			
	4B	↓			
	5A	12"x12" Floor tile pink + cream / 1st Floor	Bath unit	1491	
	5B	↓			
	6A	Brown 4" cove base / 1st Floor Bath	unit 1491		
	6B	RECEIVED			

Relinquished By: J. Tinsley
Date: 9-14-2020

Received By: SEP 14 2020
Time/Date: 1030
APEX RESEARCH

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

Revision R4 Date: May/2017

1 of 2 pages

Apex # **91336** Page **2**

APEX Research, Inc.

1054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com

Customer Name: ASTI Environmental
Address: 10448 Citation Drive
City, St., Zip: Brighton, Michigan 48116
Phone: 810.225.2800 Fax: 810.225.3800
Turn Around Time: (*circle one*) ***Terms and conditions on the other side.

Rush | 24 hour | 48 hour | (72 hour) | Other: _____

TTP (yes) / no (Test Till Positive)

Samples received after 3pm logged in next morning

Date of Survey: 9-4-2020
Project: 1491-1495 Field Street
Project # 3-11284
Contact Person: Jill Tinsley / David Amir
Email: Jtinsley@asti-env.com / damir@asti-env.com

Circle analyses required, indicate type and quantity

Asbestos: Bulk X Wipe ____ Point Count ____ PCM ____
Lead / Cad / Chrome: Wipe **ASTM E1792?** circle YES or NO ____ Air ____ Paint ____ Bulk ____
Mold: Bulk ____ Air/Zefon/AlergencoD ____ BioSIS ____ Tape ____
TEM: Bulk/NOB ____ NIOSH 7402 ____ EPA Level II ____ Other ____

Lab Use Only
Log-In: ____
Report: ____
Fax: ____
Verbal: ____
Email: ____

Lab ID	Customer ID #	Material/Location	Volume	Area	Results
	7A	Linoleum gray, brown, tan pebble pattern / entry unit 1491			
	7B	↓			
	8A	Gray grout / unit 1491 2nd Fl Bath			
	8B	↓			
	9A	Brown Planking flooring (2 layers) faux wood pattern / unit 1495			Dining room
	9B	↓			
	10A	Brown Asphalt shingle / Roof unit 1491			
	10B	↓			

RECEIVED
SEP 14 2020
APEX RESEARCH

Relinquished By: J. Tinsley
Date: 9-14-2020
Revision R4 Date: May/2017

Received By: _____
Time/Date: _____

Relinquished By: _____
Date: _____

Received By: _____
Time/Date: _____

2 of 2 pages

Appendix C

Photos

PHOTO LOG

Field Street and Grand Boulevard, Detroit, Michigan

	**Photo 1.** View of 1005-1007 Field Street front
	**Photo 2.** View of 1014-1016 Field Street front
	**Photo 3.** View of 1023-1031 Field Street front

ASTI Project No. 3-11284
September 2-9, 2020
Photographed By Jelaine Tinsley

PHOTO LOG

Field Street and Grand Boulevard, Detroit, Michigan

	**Photo 4.** View of 1045-1051 Field Street front
	**Photo 5.** View of 1065-1067 Field Street front
	**Photo 6.** View of 1070-1074 Field Street front

ASTI Project No. 3-11284
September 2-9, 2020
Photographed By Jelaine Tinsley

PHOTO LOG

Field Street and Grand Boulevard, Detroit, Michigan

	**Photo 7.** View of 1083-1093 Field Street front
	**Photo 8.** View of 1090-1094 Field Street front
	**Photo 9.** View of 1100-1108 Field Street front

ASTI Project No. 3-11284
September 2-9, 2020
Photographed By Jelaine Tinsley

PHOTO LOG

Field Street and Grand Boulevard, Detroit, Michigan

	**Photo 10.** View of 1470-1474 Field Street front
	**Photo 11.** View of 1448-1452 Field Street front
	**Photo 12.** View of 1458-1462 Field Street front

ASTI Project No. 3-11284
September 2-9, 2020
Photographed By Jelaine Tinsley

PHOTO LOG

Field Street and Grand Boulevard, Detroit, Michigan

	**Photo 13.** View of 1481-1485 Field Street front
	**Photo 14.** View of 1491-1495 Field Street front
	**Photo 15.** View of 232 East Grand Boulevard front

ASTI Project No. 3-11284
September 2-9, 2020
Photographed By Jelaine Tinsley

PHOTO LOG

Field Street and Grand Boulevard, Detroit, Michigan

	**Photo 16.** View of 238-248 East Grand Boulevard front
	**Photo 17.** View of 240, 244, 246, 250 East Grand Boulevard front

ASTI Project No. 3-11284
September 2-9, 2020
Photographed By Jelaine Tinsley

ASTI ENVIRONMENTAL

ENVIRONMENTAL INVESTIGATION, REMEDIATION, COMPLIANCE AND RESTORATION PROJECTS THROUGHOUT THE GREAT LAKES SINCE 1985.

OUR SERVICES INCLUDE:

- **ASBESTOS, LEAD, MOLD, AND RADON ASSESSMENTS**
- **BROWNFIELD/GREYFIELD REDEVELOPMENT ASSISTANCE**
- **DEVELOPMENT INCENTIVES AND GRANT MANAGEMENT**
- **ECOLOGICAL ASSESSMENTS AND RESTORATION**
- **ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS**
- **ENVIRONMENTAL OPPORTUNITIES ASSESSMENT**
- **GIS MAPPING**
- **HAZARD MITIGATION PLANNING**
- **MINING AND RECLAMATION ASSISTANCE**
- **REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE**
- **PHASE I ESA AND ENVIRONMENTAL DUE DILIGENCE ASSESSMENTS**
- **REGULATORY COMPLIANCE AND PERMITTING**
- **SOIL AND GROUNDWATER ASSESSMENTS**
- **SOIL AND GROUNDWATER REMEDIATION**
- **STORAGE TANK COMPLIANCE AND CLOSURE**
- **THREATENED AND ENDANGERED SPECIES SURVEYS**
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ASTI ENVIRONMENTAL
Detroit/Grand Rapids

Phone: 1-800-395-ASTI
www.asti-env.com
Email: environmental@asti-env.com

Lead-Based Paint Inspection & Risk Assessment 232 East Grand Boulevard Detroit, Michigan

Field Street III LDHA, LLC

Inspection Date: September 9, 2020

Report Date: September 23, 2020

ASTI ENVIRONMENTAL

ASTI ENVIRONMENTAL

Lead-Based Paint Inspection & Risk Assessment
232 East Grand Boulevard
Detroit, Michigan

Inspection Date: September 9, 2020
Report Date: September 23, 2020

Prepared For:
Field Street III LDHA, LLC
32600 Telegraph Road, Suite 102
Bingham Farms, MI 48025
248.833.0598

Report Prepared By:
ASTI Environmental
10448 Citation Drive, Suite 100
Brighton, Michigan 48116
810.225.2800

ASTI Project No.: 3-11284

Report Prepared by:

John Schuitema
Lead Inspector/Risk Assessor No. P-07409

Report Reviewed by:

David Amir
Director-Site Redevelopment Services
Lead Inspector/Risk Assessor No. P-02651

ASTI ENVIRONMENTAL

TABLE OF CONTENTS

Executive Summary

ASTI Environmental (ASTI) conducted a Lead-Based Paint (LBP) Inspection and Risk Assessment of 232 East Grand Boulevard, Detroit, Michigan ("Property"), on September 9, 2020 on behalf of Field Street III LDHA, LLC. As guidance, ASTI's work used the U.S. Department of Housing and Urban Development (HUD) *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards in Housing*, (2012) and the Michigan Lead Hazard Control Rules. This LBP Inspection and Risk Assessment Report is prepared for the benefit of Field Street III LDHA, LLC and the Michigan State Housing Development Authority (MSHDA), and ASTI acknowledges that said parties may rely on the contents, conclusions, and recommendations presented in this report.

The services provided by ASTI in completing this inspection and risk assessment have been provided in a manner consistent with the normal standards of the profession. No other warranties, expressed or implied, are made.

Lead-Based Paint Inspection
ASTI collected 371 measurements of painted surfaces. Of these measurements, none were positive for LBP.

Deteriorated Lead-Based Paint Inspection
During the Inspection, ASTI found no areas of deteriorated lead-based paint.

Lead Dust Wipe Sample Test Results
ASTI personnel collected 61 dust wipe samples, with each being submitted to a National Lead Laboratory Accreditation Program (NLLAP)-certified laboratory. Review of the test results revealed that one of the dust wipe samples exceeded the State of Michigan and proposed Environmental Protection Agency (EPA) and HUD standards. The current State of Michigan standards for lead dust wipes are 10 micrograms per square foot (µg/ft^2) for floors, 100 µg/ft^2 for window sills, 100 µg/ft^2 for window troughs (EPA and HUD remain at 400 µg/ft^2), and 40 µg/ft^2 for porches. See Table 1 for specific locations and sample results.

Soil Sample Test Results
ASTI personnel collected two soil samples of exposed soil throughout the property. The soil samples were submitted to a National Lead Laboratory Accreditation Program (NLLAP)-certified laboratory. Review of the test results revealed that none of the soil samples exceeded the Environmental Protection Agency (EPA) and Housing and Urban Development (HUD) standards, for lead in soil which are 400 mg/kg for play areas and gardens, and 1,200 mg/kg for exposed soil. See Table 2 for specific locations and sample results.

Conclusions and Recommendations
Based on the results of the LBP inspection and risk assessment, the property currently contains one dust-lead hazard, no lead-paint hazards, and no soil-lead hazards. Based on the presence of the dust-lead hazard, ASTI has developed the following table to identify the hazards along with abatement options and interim control measures to address the hazards.

Identified Hazard	Priority[1]	Severity[2]	Abatement Options	Interim Control Measures
Hazards within Structure				
Dust identified in one floor sample (FL-05) in the Laundry Room was found to have elevated lead levels. Therefore, all unsampled floors within the common areas of the structure should be considered lead contaminated.	Moderate	Moderate	Clean all floors present within the common areas of the structure, unless already tested and found to contain no elevated levels of lead dust, using accepted HEPA-wash-HEPA cleaning methods. Following cleaning, collect clearance samples in accordance with HUD requirements.	Clean all floors present within the common areas of the structure, unless already tested and found to contain no elevated levels of lead dust, using accepted HEPA-wash-HEPA cleaning methods. Following cleaning, collect clearance samples in accordance with HUD requirements.

1) *Priority Rankings) High - Requires Immediate Attention; Moderate – Requires Scheduled Attention; and Low – Attention at Owners Discretion*
2) Sev*erity Rankings) High - Requires Immediate Attention; Moderate – Requires Scheduled Attention; and Low – Attention at Owners Discretion*

PURPOSE AND SCOPE OF WORK

This report was prepared to present the results of a Lead-Based Paint (LBP) Inspection and Risk Assessment of 232 East Grand Boulevard, Detroit, Michigan (the Property). Refer to the attached Figure 1 (Site Location Map) for the approximate site location. As guidance, ASTI's work used the United States Department of Housing and Urban Development (HUD) and the United States Environmental Protection Agency (EPA) statutes, regulations, and guidelines, as well as Michigan Lead Hazard Control Rules. This LBP Inspection and Risk Assessment report is prepared for the benefit of Field Street III LDHA, LLC and MSHDA, and ASTI acknowledges that said parties may rely on the contents, conclusions and recommendations presented in this report.

The LBP inspection and risk assessment activities were conducted on September 9, 2020. The LBP inspection and hazard risk assessment activities were completed by Mr. John Schuitema, Michigan Lead Risk Assessor No. P-07409. Mr. Schuitema's certifications are provided in Appendix A.

The purpose of the inspection and assessment was to identify any existing LBP and/or lead hazards that might exist at the Property. An LBP Inspection is an on-site investigation to determine the existence, nature, severity, and location of LBP hazards and the provision of a report explaining the results of the investigation and options for reducing the LBP hazards. A LBP Hazard Risk Assessment addresses the hazards related to friction, impact, and chewable surfaces that have LBP, potential hazards associated with lead dust inside the building, as well as the potential soil-lead hazards associated with bare soils outside the building. Lead hazards are defined in the EPA and HUD regulations and include the following six items:

1) Lead paint that is in deteriorated (flaking, chipped, peeling, etc.) condition;
2) Lead paint on a friction surface (rubbing doors, sliding windows, etc.) where associated dust levels exceed EPA and HUD lead dust concentration limits;
3) Lead paint on an impact surface (window sills, shelves, etc.) where the impact is caused by another building component;
4) Lead paint on a chewable surface (window sills, shelves, etc.) where there are visible teeth marks;

5) Lead-contaminated dust where levels exceed EPA and HUD lead dust concentrations limits; and
6) Lead-contaminated soils where levels exceed EPA and HUD lead concentration limits.

An LBP Hazard Risk Assessment identifies lead hazards by visual evaluation of the painted surfaces and the collection of dust, soil and/or deteriorated paint samples. The sample results are compared to associated lead concentration limits developed by the EPA, HUD, and the State of Michigan.

Project Limitations

Through the completion of an LBP Inspection and Risk Assessment, problems or limitations can be encountered including areas or surfaces which cannot be tested due to locked doors, inclement weather, heights, vegetation, etc. Accordingly, some building components may not be tested or sampled, and these materials are assumed to be LBP. No limitations were encountered during the assessment.

Names and Labels of Buildings, Rooms and Walls

Locations of components in rooms or on exterior facades are described as:

Side A is the side facing the street or the side with the principal entrance.
Side B is the side to the left when viewed from the street.
Side C is the rear when viewed from the street.
Side D is the right side when viewed from the street.

Regulatory Information

The scope of work (LBP Inspection and Risk Assessment) completed is conducted in general accordance with federal regulations (24 CFR Part 35 and 40 CFR Part 745) and Michigan Lead Hazard Control Rules, as well as protocols in *Guidelines for the Evaluation and Control of Lead-Based Paint Hazards In Housing* (2012). Results of the LBP inspection and risk assessment are compared to relevant standards promulgated by HUD, EPA, and the State of Michigan.

PROPERTY DESCRIPTION

The Property includes one two-story, multifamily apartment building, which house a total of five apartment units. Construction materials of the structures include concrete, brick, wood, and asphalt shingles. Interior finish materials consist of dry wall, paint, resilient floor tiles, linoleum, carpet, ceramic tile, cove base, brick, wood and aluminum windows, and wood doors. A Site Features Map is provided as Figure 2. Refer to the Photo Log in Appendix B for photos of the property.

SURVEY METHODOLOGY

Lead-Based Paint Inspection

During the evaluation, ASTI collected 371 measurements of painted surfaces using a Heuresis Pb200i X-Ray Fluorescence (XRF) instrument. In accordance with EPA and HUD guidelines, ASTI inspected all areas of the property structures.

The Heuresis Pb200i XRF, is equipped with a Cobalt 57 radioisotope. The XRF was placed in service in 2019 and is calibrated at the start of each inspection, during the inspection every four hours, and at the conclusion of the inspection.

Deteriorated Lead-Based Paint Inspection

During the Inspection, ASTI found no areas of deteriorated lead-based paint.

Lead Risk Assessment

Prior to sample collection ASTI conducted a visual inspection of the structures. Refer to Appendix E for a Building Condition Form completed by ASTI's lead risk assessor following completion of a visual inspection of the structure and prior to initiating dust wipe sampling.

Following visual inspection of the structure, ASTI personnel collected 61 dust wipe samples including three field blanks in locations selected by the risk assessor. The dust wipe samples were collected as follows:

- Dust wipes were collected from the floors, window sills, and window troughs of each selected unit; and

- The wipe samples were then placed into a container, labeled with unique sample IDs, and sent to a NLLAP-accredited laboratory for testing.

Following testing, the samples were compared to current State of Michigan, HUD, and EPA standards for lead dust to determine if any dust-lead hazards are present at the Property.

Two exterior composite soil samples were collected. These samples were collected from the sides A and D driplines.

RESULTS

Lead-Based Paint Inspection Results

ASTI collected 371 measurements of painted surfaces. Of these measurements, none were positive for LBP.

Deteriorated Lead-Based Paint Inspection Results

During the evaluation, ASTI found no areas of deteriorated lead-based paint.

Lead Dust Wipe Sample Test Results

ASTI personnel collected 61 lead dust wipe samples. Each sample was submitted to a NLLAP-certified laboratory. The NLLAP-certified laboratory used is presented below:

GPI
4403 Donker Court SE
Grand Rapids, Michigan 49512
Phone: 616.608.0514

Review of the lead dust wipe sample results revealed that one of the lead dust concentrations exceeded the State of Michigan and proposed HUD and EPA standards (40 CFR Part 745.227). The current State of Michigan and proposed HUD and EPA clearance levels for lead dust wipes are 10 micrograms per square foot (µg/ft^2) for floors, 100 µg/ft^2 for window sills, 100 µg/ft^2 for window troughs (EPA and HUD remain at 400 µg/ft^2), and 40 µg/ft^2 for porches Specifically, the following locations exceeded State of Michigan standards and are considered dust-lead hazards:

- Laundry Room Floor (FL-05)

Refer to Table 1, Lead Dust Wipe Sample Results, for a summary of the lead dust wipe sample results along with a comparison to State of Michigan standards. Refer to Appendix F for a copy of the laboratory data sheets and associated chain-of-custody.

Soil Sample Results

ASTI personnel collected two soil samples of exposed soil throughout the property. The soil samples were submitted to a National Lead Laboratory Accreditation Program (NLLAP)-certified laboratory. Review of the test results revealed that none of the soil samples exceeded the Environmental Protection Agency (EPA) and Housing and Urban Development (HUD) standards for lead in soil are 400 mg/kg for play areas and gardens, and 1,200 mg/kg for exposed soil. Refer to Table 2 for specific locations and sample results.

RESULTS OF THE RISK ASSESSMENT

1. No lead-paint hazards;
2. One dust-lead hazard;
3. No soil-lead hazards

HAZARD CONTROL OPTIONS AND RECOMMENDATIONS

Based on the results of the LBP hazard risk assessment, the Property currently contains no paint-lead hazards, one dust-lead hazard, and no soil hazards. Refer to Table 3 for a summary of Lead Based Paint Hazards including Abatement and Interim Control Options.

RE-EVALUATION SCHEDULE

Refer to Appendix G HUD's Standard Re-Evaluation Schedules and recommended frequencies for re-evaluation of interim controls.

DISCLOSURE

A summary of this report must be provided to each new tenant or purchaser of this Property under Federal law (24 CFR Part 35 and 40 CFR Part 745) before they become obligated under a tenant or sales contract. In addition, the complete report must also be provided to purchasers and made available to tenants. Landlords (lessors) and sellers are also required to distribute an educational pamphlet approved by the U.S. Environmental Protection Agency (EPA), entitled "Protect Your Family from Lead in Your Home", and include standard warning language in their

leases or sales contracts to ensure that parents have the information they need to protect their children from lead-based paint hazards.

POISON PREVENTION

For further information regarding lead-based paint hazards and poisoning prevention, consult the following resources:

Telephone Sources:
National Lead Information Center: 800-424-LEAD
U.S. Department of Housing and Urban Development: 888-LEADLIST
State of Michigan – Healthy Homes Section: 866-691-LEAD

Publications:
"Lead in Your Home: A Parent's Reference Guide" U.S. EPA
"Protect Your Family from Lead in Your Home" U.S. EPA
"Lead Paint Safety: A Field Guide for Painting, Home Maintenance & Renovation Work" HUD

Websites:

- Michigan Dept. of Community Health – Healthy Homes Section
www.michigan.gov/leadsafe
- HUD – Office of Healthy Homes and Lead Hazard Control
www.hud.gov/offices/lead
- U.S. Environmental Protection Agency
www.epa.gov/lead

DEFINITIONS

The following is a list of definitions of terms used throughout this report.

Abatement: A measure or set of measures designed to permanently eliminate lead-based paint hazards or lead- based paint. Abatement strategies include the removal of lead-based paint, enclosure, encapsulation, replacement of building components coated with lead-based paint, removal of lead-contaminated dust, and removal of lead-contaminated soil or overlaying of soil with a durable covering such as asphalt (grass and sod are considered interim control measures). All of these strategies require preparation; cleanup; waste disposal; post-abatement clearance testing; recordkeeping; and, if applicable, monitoring. (For full EPA definition, see 40 CFR 745.223).

Bare soil: Soil not covered with grass, sod, some other similar vegetation, or paving, including the sand in sandboxes.

Chewable surface: An interior or exterior surface painted with lead-based paint that a young child can mouth or chew. A chewable surface is the same as an "accessible surface" as defined in 42 U.S.C. 4851b(2). Hard metal substrates and other materials that cannot be dented by the bite of a young child are not considered chewable.

Deteriorated paint: Any paint coating on a damaged or deteriorated surface or fixture, or any interior or exterior lead-based paint that is peeling, chipping, blistering, flaking, worn, chalking, cracking or otherwise becoming separated from the substrate.

Drip-line/foundation area: The area within 3 feet out from the building wall and surrounding the perimeter of a building.

Dust-lead hazard: Surface dust in residences that contains an area or mass concentration of lead equal to or in excess of the standard established by the EPA under Title IV of the Toxic Substances Control Act. EPA standards for dust-lead hazards, which are based on wipe samples, are published at 40 CFR 745.65(b); as of November 2015, these are 40 µg/ft^2 on floors, 250 µg/ft^2 on interior windowsills and 400 µg/ft^2 on interior window troughs. Also called lead-contaminated dust.

Friction surface: Any interior or exterior surface, such as a window or stair treads, subject to abrasion or friction.

Garden area: An area where plants are cultivated for human consumption or for decorative purposes.

Impact surface: An interior or exterior surface (such as surfaces on doors) subject to damage by repeated impact or contact.

Interim controls: A set of measures designed to temporarily reduce human exposure or possible exposure to lead-based paint hazards. Such measures include, but are not limited to, specialized cleaning, repairs, maintenance, painting, temporary containment,

and the establishment and operation of management and resident education programs. Monitoring, conducted by owners, and reevaluations, conducted by professionals, are integral elements of interim control. Interim controls include dust removal; paint film stabilization; treatment of friction and impact surfaces; installation of soil coverings, such as grass or sod; and land use controls. Interim controls that disturb painted surfaces are renovation activities under EPA's Renovation, Repair and Painting Rule.

Lead-based paint: Any paint, varnish, shellac, or other coating that contains lead equal to or greater than 1.0 mg/cm^2 as measured by XRF or laboratory analysis, or 0.5 percent by weight (5000 mg/g, 5000 ppm, or 5000 mg/kg) as measured by laboratory analysis. (Local definitions may vary.)

Lead-based paint hazard: A condition in which exposure to lead from lead-contaminated dust, lead- contaminated soil, or deteriorated lead-based paint would have an adverse effect on human health (as established by the EPA at 40 CFR 745.65, under Title IV of the Toxic Substances Control Act). Lead-based paint hazards include, for example, paint-lead hazards, dust-lead hazards, and soil-lead hazards.

Paint-lead hazard: Lead-based paint on a friction surface that is subject to abrasion and where a dust-lead hazard is present on the nearest horizontal surface underneath the friction surface (e.g., the window sill, or floor); damaged or otherwise deteriorated lead-based paint on an impact surface that is caused by impact from a related building component; a chewable lead-based painted surface on which there is evidence of teeth marks; or any other deteriorated lead-based paint in any residential building or child-occupied facility or on the exterior of any residential building or child-occupied facility.

Play area: An area of frequent soil contact by children of under age 6 as indicated by, but not limited to, such factors including the following: the presence of outdoor play equipment (e.g., sandboxes, swing sets, and sliding boards), toys, or other children's possessions, observations of play patterns, or information provided
by parents, residents, care givers, or property owners.

Soil-lead hazard: Bare soil on residential property that contains lead in excess of the standard established by the EPA under Title IV of the Toxic Substances Control Act. EPA standards for soil-lead hazards, published at 40 CFR 745.65(c), as of the publication of this edition of these *Guidelines*, is 400 µg/g in play areas and 1,200 µg/g in the rest of the yard; also called lead-contaminated soil.

FIGURES

Field St. and E. Grand Blvd. Detroit, MI

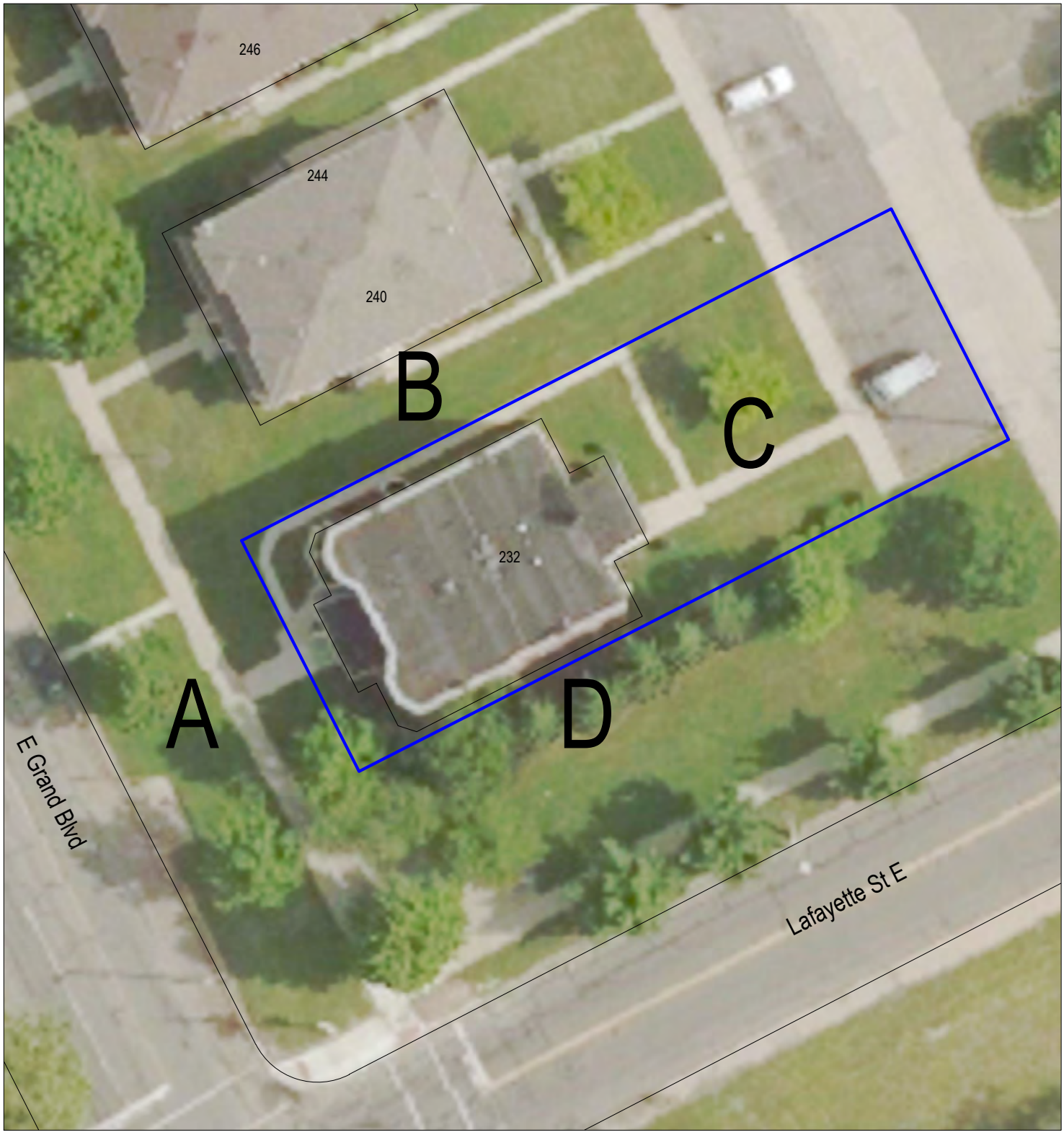
2,000 1,000 0 2,000 Feet

N

ASTI Environmental

Created for: Field Street III LDHA, LLC
Created by: RMH, September 21, 2020, ASTI Project 3-11284

Site Location Map



GRAPHIC SCALE

0 15 30 60

1 inch = 30 ft.
Paper Size = (8.5x11)

LEGEND

Property Line

N

232 East Grand Boulevard.

Detroit, MI

ASTI Environmental

Client: Field Street III LDHA, LLC

Site Features Map

ASTI Project 3-11284, JRN, September 22, 2020

Tables

Table 1
Lead Dust Samples — 232 E. Grand Blvd., Detroit, MI

Sample Number	Unit	Room	Surface	Lead Dust ($\mu g/ft^2$)	Standard* ($\mu g/ft^2$)	Below Standard?
FL-01	101	Bedroom (Living Room)	Floor	<RL	10	Y
WS-01	101	Bedroom (Living Room)	Sill	<RL	100	Y
FL-02	101	Living Room (Dining Room)	Floor	<RL	10	Y
WS-02	101	Living Room (Dining Room)	Sill	13	100	Y
FL-03	101	Bathroom	Floor	<RL	10	Y
FL-04	101	Kitchen	Floor	<RL	10	Y
WS-04	101	Kitchen	Sill	<RL	100	Y
FL-05	101	Dining Room (Bed 2)	Floor	<RL	10	Y
WT-05	101	Dining Room (Bed 2)	Trough	22	100	Y
FL-06	101	Clothes Room (Bed 1)	Floor	<RL	10	Y
WS-06	101	Clothes Room (Bed 1)	Sill	12	100	Y
FL-01	201	Living Room	Floor	<RL	10	Y
WT-01	201	Living Room	Trough	<RL	100	Y
FL-02	201	Dining Room	Floor	<RL	10	Y
WS-02	201	Dining Room	Sill	<RL	100	Y
FL-03	201	Kitchen	Floor	<RL	10	Y
WT-03	201	Kitchen	Trough	<RL	100	Y
FL-04	201	Bathroom	Floor	<RL	10	Y
FL-05	201	Bedroom 1	Floor	<RL	10	Y
WS-05	201	Bedroom 1	Sill	<RL	100	Y
FL-06	201	Bedroom 2	Floor	<RL	10	Y
WS-06	201	Bedroom 2	Sill	<RL	100	Y
FL-07	201	Under Sink (Field Blank)	NA	<RL	NA	NA

Bold results indicate an exceedance of standards.

<RL=Less than the reporting limit

NA=Not Applicable

Table 1
Lead Dust Samples — 232 E. Grand Blvd., Detroit, MI

Sample Number	Unit	Room	Surface	Lead Dust ($\mu g/ft^2$)	Standard* ($\mu g/ft^2$)	Below Standard?
FL-01	102	Living Room	Floor	<RL	10	Y
WS-01	102	Living Room	Sill	20	100	Y
FL-02	102	Dining Room	Floor	<RL	10	Y
WS-02	102	Dining Room	Sill	22	100	Y
FL-03	102	Kitchen	Floor	<RL	10	Y
WS-03	102	Kitchen	Sill	<RL	100	Y
FL-04	102	Bathroom	Floor	<RL	10	Y
FL-05	102	Bedroom 1	Floor	<RL	10	Y
WS-05	102	Bedroom 1	Sill	<RL	100	Y
FL-06	102	Bedroom 2	Floor	<RL	10	Y
WS-06	102	Bedroom 2	Sill	<RL	100	Y
FL-07	102	Under Sink (Field Blank)	NA	<RL	NA	NA
FL-01	B-1	Dining Room	Floor	<RL	10	Y
WS-01	B-1	Dining Room	Sill	<RL	100	Y
FL-02	B-1	Living Room	Floor	<RL	10	Y
FL-03	B-1	Kitchen	Floor	<RL	10	Y
FL-04	B-1	Hall	Floor	<RL	10	Y
FL-05	B-1	Bathroom	Floor	<RL	10	Y
WS-05	B-1	Bathroom	Sill	<RL	100	Y
FL-06	B-1	Bedroom	Floor	<RL	10	Y
WS-06	B-1	Bedroom	Sill	<RL	100	Y
FL-06	B-1	Under Sink (Field Blank)	NA	<RL	NA	NA
FL-01	202	Living Room	Floor	<rl	10	Y

Bold results indicate an exceedance of standards.

<RL=Less than the reporting limit

NA=Not Applicable

Table 1
Lead Dust Samples — 232 E. Grand Blvd., Detroit, MI

Sample Number	Unit	Room	Surface	Lead Dust (µg/ft^2)	Standard* (µg/ft^2)	Below Standard?
WT-01	202	Living Room	Trough	10	100	Y
FL-02	202	Dining Room	Floor	<RL	10	Y
WS-02	202	Dining Room	Sill	18	100	Y
FL-03	202	Kitchen	Floor	<RL	10	Y
WS-03	202	Kitchen	Sill	<RL	100	Y
FL-04	202	Bathroom	Floor	<RL	10	Y
WS-05	202	Bedroom 1	Sill	21	100	Y
FL-05	202	Bedroom 1	Floor	<RL	10	Y
FL-06	202	Bedroom 2	Floor	<RL	10	Y
WS-06	202	Bedroom 2	Sill	<RL	100	Y
FL-01	Common	2nd Floor Hall	Floor	<RL	10	Y
FL-02	Common	Stair Landing	Floor	<RL	10	Y
FL-03	Common	1st Floor Entry	Floor	<RL	10	Y
FL-04	Common	1st Floor Hall	Floor	<RL	10	Y
FL-05	**Common**	**Laundry Room**	**Floor**	**15**	**10**	**N**

* - State of Michigan Lead-Based Paint Hazard Level

Bold results indicate an exceedance of standards.

<RL=Less than the reporting limit

NA=Not Applicable

Table 2
Lead Soil Samples — 232 E. Grand Blvd., Detroit, MI

Sample Number	Location	Lead Results (mg/Kg)	Standard* (mg/Kg)	Below Standard?
SL-01	Side A Dripline	150	1,200	Yes
SL-02	Side D Dripline	67	1,200	Yes

Bold results indicate exceedance of standards

* - Applicable EPA Soil Lead Hazard Level

Table 3 - Summary of Lead Hazards
Including Abatement and Interim Control Options

Client:	Field Street III LDHA, LLC	
Inspection Location:	232 East Grand Boulevard, Detroit, Michigan	
Survey Date:	September 9, 2020	Project No.: 3-11284
Inspector:	John Schuitema	Certification No. P-07409

The items listed below represent lead-based paint hazards found at the aforementioned address. For each identified hazard, there are corresponding options for performing abatement (long term) fixes and/or interim controls (shorter term) fixes. The client and or their general contractor need to select the appropriate solution to address each of the hazards identified.

Identified Hazard	Priority[1]	Severity[2]	Abatement Options	Interim Control Measures
Hazards within Structure				
Dust identified in one floor sample (FL-05) in the Laundry Room was found to have elevated lead levels. Therefore, all unsampled floors within the common areas of the structure should be considered lead contaminated.	Moderate	Moderate	Clean all floors present within the common areas of the structure, unless already tested and found to contain no elevated levels of lead dust, using accepted HEPA-wash-HEPA cleaning methods. Following cleaning, collect clearance samples in accordance with HUD requirements.	Clean all floors present within the common areas of the structure, unless already tested and found to contain no elevated levels of lead dust, using accepted HEPA-wash-HEPA cleaning methods. Following cleaning, collect clearance samples in accordance with HUD requirements.

1) *Priority Rankings) High - Requires Immediate Attention; Moderate – Requires Scheduled Attention; and Low – Attention at Owners Discretion*

2) *Severity Rankings) High - Requires Immediate Attention; Moderate – Requires Scheduled Attention; and Low – Attention at Owners Discretion*

APPENDICES

Appendix A

Resume & Credentials

JOHN F. SCHUITEMA
Environmental Field Technician

PROFILE

Certifications
Asbestos Inspector (A51781)
Michigan Lead Inspector/Risk Assessor (P-07409)
ICC Property Maintenance Inspector
ICC Zoning Inspector
40-Hour OSHA HAZWOPER Training
8-Hour OSHA HAZWOPER Refresher

Education
Lead Inspector/Risk Assessor Training
Asbestos Awareness Training
Lead Awareness Training
Asbestos Inspector Training

Experience History
Field Technician, ASTI ENVIRONMENTAL
Government

Professional Background
Mr. Schuitema has experience in the field with soil sampling, lead dust sampling, asbestos surveys, air monitoring, hazardous materials surveys, and lead inspections. Mr. Schuitema has assisted with Phase II investigations, property condition assessments, mold sampling, indoor air quality assessments, moisture operation and maintenance plans, and performed health and safety related building inspections.

Years' Experience:

3 --- ASTI ENVIRONMENTAL
3 --- Government

ENVIRONMENTAL DUE DILIGENCE AND SITE INVESTIGATION PROJECTS

Environmental Site Assessments
Completed numerous site assessments for a variety of projects (vacant land, agricultural, residential, commercial, and industrial), to determine the environmental condition of sites for real estate transactions. Projects involved both surface and subsurface evaluations of sites for a variety of hazardous substances.

ASBESTOS AND LEAD INSPECTION AND RISK ASSESSMENTS

Responsible for asbestos inspections and lead inspections and risk assessments on commercial, multi-family, and single-family properties.

Lead Based Paint Inspections and Risk Assessments, Flint Housing Commission
Inspection of lead hazards throughout Flint's public housing complexes, dust wipe sample collection for laboratory analysis, XRF sampling, and writing the report to the Flint Housing Commission with findings and compliance requirements.

Large Apartment Complex in Flint, Michigan
Conducted asbestos inspections of over 100 residential units. Collected samples of suspect ACM for laboratory analysis. Provided report to the City of Flint with findings and compliance requirements.

INDOOR AIR QUALITY AND MOLD

Conducted mold assessments and verification sampling on municipal buildings, schools, and private facilities in the State of Michigan. Assessment scopes included mold identification and moisture infiltration, abatement scope design, and post abatement visual inspection and clearance sampling.

Conducted visual and indoor air quality clearance samples for multiple residential homes following ACM removal, prior to demolition, throughout the State of Michigan.

Highrise Apartment Building Detroit, Michigan
Monitored indoor air quality during removal of asbestos containing materials. Provided clearance air sampling upon completion.

Multiple School Buildings Detroit, Michigan
Performed visual inspection, tape lift samples, air sampling, and moisture readings to evaluate potential mold growth. Completed clearance inspection and sampling after remediation and provided the client with a report of methods and findings.

PROPERTY CONDTION ASSESSMENTS

Completed inspections of commercial, industrial, and residential properties in the State of Michigan. Identified physical deficiencies, material defects, and deferred maintenance. Reported findings, including cost estimates for repairs and replacements deemed necessary.

STORM WATER INSPECTIONS

Performed inspections of construction sites to determine compliance with state storm water regulations. Reported deficiencies and recommend remedies.

Large Apartment Complex Howell, Michigan
Conducted weekly inspections during construction to ensure compliance with construction storm water regulations. Provided weekly report with findings, deficiencies, and remedy options to the client and County.

WASTEWATER OPERATIONS

Super Fund Site, St. Joseph, Michigan
Performed monthly maintenance and sampling to insure proper operation and compliance with applicable regulations. Maintained air striper and CatOx system for removal of VOCs from contaminated groundwater.

AIR MONITORING

Former McLouth Steel Site, Trenton, Michigan
Operated outdoor air monitoring and sampling stations to ensure chemicals of concern and fugitive dust did not leave the property. Performed real time air monitoring during demolition activities.

Michigan Department of Health and Human Services

Healthy Homes Section

John Schuitema

Lead Inspector/Risk Assessor

Cert. number P-07409

Annual fee due by March 31, 2021

Appropriate refresher training and exam must be taken to renew this certification before March 31, 2023

Appendix B

Photo Log

PHOTO LOG

232 East Grand Boulevard, Detroit, Michigan

	**Photo 1.** View of 232 East Grand Boulevard, Side A
	**Photo 2.** View of 232 East Grand Boulevard, Side B
	**Photo 3.** View of 232 East Grand Boulevard, Side C

ASTI Project No. 3-11284
9/9/2020
Photographed By John Schuitema

PHOTO LOG

232 East Grand Boulevard, Detroit, Michigan

	**Photo 4.** View of 232 East Grand Boulevard, Side D

ASTI Project No. 3-11284
9/9/2020
Photographed By John Schuitema

Appendix C

All XRF Readings

No.	Time	Type	Apartment	Room	Side	Sturcture	Member	Substrate	Condition	Results
7636	11:45:08	Lead Paint	232 E Grand	Calibration						Positive
7637	11:45:33	Lead Paint	232 E Grand	Calibration						Positive
7638	11:45:59	Lead Paint	232 E Grand	Calibration						Positive
7639	11:51:18	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Room	Wall	Drywall	Intact	Negative
7640	11:51:38	Lead Paint	232 E Grand B1	Living Room/Dining Room	B	Room	Wall	Drywall	Intact	Negative
7641	11:51:58	Lead Paint	232 E Grand B1	Living Room/Dining Room	C	Room	Wall	Drywall	Intact	Negative
7642	11:52:19	Lead Paint	232 E Grand B1	Living Room/Dining Room	D	Room	Wall	Drywall	Intact	Negative
7643	11:52:44	Lead Paint	232 E Grand B1	Living Room/Dining Room	D	Room	Ceiling	Drywall	Intact	Negative
7644	11:53:13	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Room	Baseboard	Wood	Intact	Negative
7645	11:53:49	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Window	Casing	Wood	Intact	Negative
7646	11:54:10	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Window	Sill	Wood	Intact	Negative
7647	11:54:30	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Window	Apron	Wood	Intact	Negative
7648	11:54:57	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Window	Sash	Wood	Intact	Negative
7649	11:55:16	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Window	Jamb	Wood	Intact	Negative
7650	11:55:49	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Door	Jamb	Wood	Intact	Negative
7651	11:56:11	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Door	Casing	Wood	Intact	Negative
7652	11:56:34	Lead Paint	232 E Grand B1	Living Room/Dining Room	A	Door	---	Metal	Intact	Negative
7653	11:57:39	Lead Paint	232 E Grand B1	Kitchen	A	Room	Wall	Drywall	Intact	Negative
7654	11:58:02	Lead Paint	232 E Grand B1	Kitchen	B	Room	Wall	Drywall	Intact	Negative
7655	11:58:22	Lead Paint	232 E Grand B1	Kitchen	C	Room	Wall	Drywall	Intact	Negative
7656	11:58:41	Lead Paint	232 E Grand B1	Kitchen	D	Room	Wall	Drywall	Intact	Negative
7657	11:59:06	Lead Paint	232 E Grand B1	Kitchen	D	Room	Ceiling	Drywall	Intact	Negative
7658	11:59:33	Lead Paint	232 E Grand B1	Kitchen	D	Room	Baseboard	Wood	Intact	Negative
7659	12:00:02	Lead Paint	232 E Grand B1	Kitchen	C	Cabinets	Door	Wood	Intact	Negative
7660	12:00:42	Lead Paint	232 E Grand B1	Hallway	A	Room	Wall	Drywall	Intact	Negative
7661	12:01:04	Lead Paint	232 E Grand B1	Hallway	B	Room	Wall	Drywall	Intact	Negative
7662	12:01:23	Lead Paint	232 E Grand B1	Hallway	C	Room	Wall	Drywall	Intact	Negative
7663	12:01:49	Lead Paint	232 E Grand B1	Hallway	D	Room	Wall	Drywall	Intact	Negative
7664	12:02:19	Lead Paint	232 E Grand B1	Hallway	D	Room	Ceiling	Drywall	Intact	Negative
7665	12:02:57	Lead Paint	232 E Grand B1	Hallway	D	Door	Jamb	Wood	Intact	Negative
7666	12:03:21	Lead Paint	232 E Grand B1	Hallway	D	Door	Casing	Wood	Intact	Negative
7667	12:03:48	Lead Paint	232 E Grand B1	Hallway	D	Door	---	Metal	Intact	Negative
7668	12:04:16	Lead Paint	232 E Grand B1	Hallway	D	Closet	Bi-Fold Door	Wood	Intact	Negative
7669	12:04:50	Lead Paint	232 E Grand B1	Hallway	D	Closet	Wall	Drywall	Intact	Negative
7670	12:05:30	Lead Paint	232 E Grand B1	Bathroom	A	Room	Wall	Drywall	Intact	Negative

No.	Time	Type	Apartment	Room	Side	Sturcture	Member	Substrate	Condition	Results
7671	12:05:49	Lead Paint	232 E Grand B1	Bathroom	B	Room	Wall	Drywall	Intact	Negative
7672	12:06:08	Lead Paint	232 E Grand B1	Bathroom	C	Room	Wall	Drywall	Intact	Negative
7673	12:06:28	Lead Paint	232 E Grand B1	Bathroom	D	Room	Wall	Drywall	Intact	Negative
7674	12:06:49	Lead Paint	232 E Grand B1	Bathroom	D	Room	Ceiling	Drywall	Intact	Negative
7675	12:07:16	Lead Paint	232 E Grand B1	Bathroom	D	Door	Casing	Wood	Intact	Negative
7676	12:07:39	Lead Paint	232 E Grand B1	Bathroom	D	Door	---	Wood	Intact	Negative
7677	12:08:13	Lead Paint	232 E Grand B1	Bathroom	B	ccess Pane	Casing	Wood	Intact	Negative
7678	12:08:33	Lead Paint	232 E Grand B1	Bathroom	B	ccess Pane	Door	Wood	Intact	Negative
7679	12:09:10	Lead Paint	232 E Grand B1	Hallway	B	Room	Baseboard	Wood	Intact	Negative
7680	12:10:40	Lead Paint	232 E Grand B1	Bedroom	A	Room	Wall	Drywall	Intact	Negative
7681	12:11:04	Lead Paint	232 E Grand B1	Bedroom	B	Room	Wall	Drywall	Intact	Negative
7682	12:11:23	Lead Paint	232 E Grand B1	Bedroom	C	Room	Wall	Drywall	Intact	Negative
7683	12:11:45	Lead Paint	232 E Grand B1	Bedroom	D	Room	Wall	Drywall	Intact	Negative
7684	12:12:20	Lead Paint	232 E Grand B1	Bedroom	D	Room	Ceiling	Drywall	Intact	Negative
7685	12:13:00	Lead Paint	232 E Grand B1	Bedroom	D	Room	Baseboard	Wood	Intact	Negative
7686	12:13:25	Lead Paint	232 E Grand B1	Bedroom	D	Door	Casing	Wood	Intact	Negative
7687	12:13:49	Lead Paint	232 E Grand B1	Bedroom	D	Door	---	Wood	Intact	Negative
7688	12:14:15	Lead Paint	232 E Grand B1	Bedroom	D	Closet	Bi-Fold Door	Wood	Intact	Negative
7689	12:14:39	Lead Paint	232 E Grand B1	Bedroom	D	Closet	Wall	Drywall	Intact	Negative
7690	12:15:05	Lead Paint	232 E Grand B1	Bedroom	D	Door	Casing	Drywall	Intact	Negative
7691	12:16:06	Lead Paint	232 E Grand B1	Bedroom	B	Window	Sash	Wood	Intact	Negative
7692	12:16:33	Lead Paint	232 E Grand B1	Bedroom	B	Window	Jamb	Wood	Intact	Negative
7693	12:16:55	Lead Paint	232 E Grand B1	Bedroom	B	Window	Sill	Wood	Intact	Negative
7694	12:34:18	Lead Paint	232 E Grand 101	Living Room	A	Room	Wall	Drywall	Intact	Negative
7695	12:34:44	Lead Paint	232 E Grand 101	Living Room	B	Room	Wall	Drywall	Intact	Negative
7696	12:35:08	Lead Paint	232 E Grand 101	Living Room	C	Room	Wall	Drywall	Intact	Negative
7697	12:35:28	Lead Paint	232 E Grand 101	Living Room	D	Room	Wall	Drywall	Intact	Negative
7698	12:36:00	Lead Paint	232 E Grand 101	Living Room	D	Room	Ceiling	Drywall	Intact	Negative
7699	12:36:37	Lead Paint	232 E Grand 101	Living Room	C	Room	Baseboard	Wood	Intact	Negative
7700	12:37:17	Lead Paint	232 E Grand 101	Living Room	C	Door	---	Wood	Intact	Negative
7701	12:37:38	Lead Paint	232 E Grand 101	Living Room	C	Door	Casing	Wood	Intact	Negative
7702	12:38:29	Lead Paint	232 E Grand 101	Living Room	A	Window	Sash	Wood	Intact	Negative
7703	12:38:51	Lead Paint	232 E Grand 101	Living Room	A	Window	Casing	Wood	Intact	Negative
7704	12:39:14	Lead Paint	232 E Grand 101	Living Room	A	Window	Sill	Wood	Intact	Negative
7705	12:39:45	Lead Paint	232 E Grand 101	Living Room	A	Window	Apron	Wood	Intact	Negative
7706	12:40:31	Lead Paint	232 E Grand 101	Family Room	A	Room	Wall	Drywall	Intact	Negative

No.	Time	Type	Apartment	Room	Side	Sturcture	Member	Substrate	Condition	Results
7707	12:40:56	Lead Paint	232 E Grand 101	Family Room	B	Room	Wall	Drywall	Intact	Negative
7708	12:41:21	Lead Paint	232 E Grand 101	Family Room	C	Room	Wall	Drywall	Intact	Negative
7709	12:41:41	Lead Paint	232 E Grand 101	Family Room	D	Room	Wall	Drywall	Intact	Negative
7710	12:42:26	Lead Paint	232 E Grand 101	Family Room	D	Room	Ceiling	Drywall	Intact	Negative
7711	12:42:57	Lead Paint	232 E Grand 101	Family Room	D	Room	Baseboard	Wood	Intact	Negative
7712	12:43:39	Lead Paint	232 E Grand 101	Family Room	D	Window	Casing	Wood	Intact	Negative
7713	12:44:42	Lead Paint	232 E Grand 101	Bedroom 1	A	Room	Wall	Drywall	Intact	Negative
7714	12:45:09	Lead Paint	232 E Grand 101	Bedroom 1	B	Room	Wall	Drywall	Intact	Negative
7715	12:45:30	Lead Paint	232 E Grand 101	Bedroom 1	C	Room	Wall	Drywall	Intact	Negative
7716	12:45:50	Lead Paint	232 E Grand 101	Bedroom 1	D	Room	Wall	Drywall	Intact	Negative
7717	12:46:11	Lead Paint	232 E Grand 101	Bedroom 1	D	Room	Ceiling	Drywall	Intact	Negative
7718	12:46:45	Lead Paint	232 E Grand 101	Bedroom 1	D	Room	Baseboard	Wood	Intact	Negative
7719	12:47:42	Lead Paint	232 E Grand 101	Bedroom 1	D	Window	Sash	Wood	Intact	Negative
7720	12:48:07	Lead Paint	232 E Grand 101	Bedroom 1	D	Window	Casing	Wood	Intact	Negative
7721	12:48:32	Lead Paint	232 E Grand 101	Bedroom 1	D	Closet	Door	Wood	Intact	Negative
7722	12:48:56	Lead Paint	232 E Grand 101	Bedroom 1	D	Closet	Casing	Wood	Intact	Negative
7723	12:49:27	Lead Paint	232 E Grand 101	Bedroom 1	D	Closet	Wall	Wood	Intact	Negative
7724	12:50:49	Lead Paint	232 E Grand 101	Bedroom 2	A	Room	Wall	Drywall	Intact	Negative
7725	12:51:19	Lead Paint	232 E Grand 101	Bedroom 2	B	Room	Wall	Drywall	Intact	Negative
7726	12:51:43	Lead Paint	232 E Grand 101	Bedroom 2	C	Room	Wall	Drywall	Intact	Negative
7727	12:52:07	Lead Paint	232 E Grand 101	Bedroom 2	D	Room	Wall	Drywall	Intact	Negative
7728	12:52:30	Lead Paint	232 E Grand 101	Bedroom 2	D	Room	Ceiling	Drywall	Intact	Negative
7729	12:53:14	Lead Paint	232 E Grand 101	Bedroom 2	C	Room	Baseboard	Wood	Intact	Negative
7730	12:53:44	Lead Paint	232 E Grand 101	Bedroom 2	C	Window	Casing	Wood	Intact	Negative
7731	12:54:04	Lead Paint	232 E Grand 101	Bedroom 2	C	Window	Sill	Wood	Intact	Negative
7732	12:54:29	Lead Paint	232 E Grand 101	Bedroom 2	C	Window	Apron	Wood	Intact	Negative
7733	12:54:55	Lead Paint	232 E Grand 101	Bedroom 2	A	Closet	Door	Wood	Intact	Negative
7734	12:55:34	Lead Paint	232 E Grand 101	Bedroom 2	A	Closet	Casing	Wood	Intact	Negative
7735	12:56:03	Lead Paint	232 E Grand 101	Bedroom 2	A	Door	---	Wood	Intact	Negative
7736	12:56:27	Lead Paint	232 E Grand 101	Bedroom 2	A	Door	Casing	Wood	Intact	Negative
7737	12:57:40	Lead Paint	232 E Grand 101	Kitchen	A	Room	Wall	Drywall	Intact	Negative
7738	12:58:03	Lead Paint	232 E Grand 101	Kitchen	B	Room	Wall	Drywall	Intact	Negative
7739	12:58:24	Lead Paint	232 E Grand 101	Kitchen	C	Room	Wall	Drywall	Intact	Negative
7740	12:58:44	Lead Paint	232 E Grand 101	Kitchen	D	Room	Wall	Drywall	Intact	Negative
7741	12:59:04	Lead Paint	232 E Grand 101	Kitchen	D	Room	Ceiling	Drywall	Intact	Negative
7742	12:59:32	Lead Paint	232 E Grand 101	Kitchen	D	Room	Baseboard	Wood	Intact	Negative

No.	Time	Type	Apartment	Room	Side	Sturcture	Member	Substrate	Condition	Results
7743	13:00:10	Lead Paint	232 E Grand 101	Kitchen	C	Door	---	Metal	Intact	Negative
7744	13:00:32	Lead Paint	232 E Grand 101	Kitchen	C	Door	Casing	Wood	Intact	Negative
7745	13:00:58	Lead Paint	232 E Grand 101	Kitchen	C	Window	Casing	Wood	Intact	Negative
7746	13:01:21	Lead Paint	232 E Grand 101	Kitchen	C	Window	Sill	Wood	Intact	Negative
7747	13:01:41	Lead Paint	232 E Grand 101	Kitchen	C	Window	Apron	Wood	Intact	Negative
7748	13:02:40	Lead Paint	232 E Grand 101	Bathroom	A	Room	Wall	Drywall	Deteriorated	Negative
7749	13:03:04	Lead Paint	232 E Grand 101	Bathroom	B	Room	Wall	Drywall	Intact	Negative
7750	13:03:26	Lead Paint	232 E Grand 101	Bathroom	C	Room	Wall	Drywall	Intact	Negative
7751	13:03:46	Lead Paint	232 E Grand 101	Bathroom	D	Room	Wall	Drywall	Intact	Negative
7752	13:04:07	Lead Paint	232 E Grand 101	Bathroom	D	Room	Ceiling	Drywall	Intact	Negative
7753	13:04:41	Lead Paint	232 E Grand 101	Bathroom	B	Door	Jamb	Wood	Intact	Negative
7754	13:05:24	Lead Paint	232 E Grand 101	Bathroom	B	Door	---	Wood	Intact	Negative
7755	13:06:47	Lead Paint	232 E Grand 101	Hallway	B	Room	Wall	Drywall	Intact	Negative
7756	13:07:08	Lead Paint	232 E Grand 101	Hallway	C	Room	Wall	Drywall	Intact	Negative
7757	13:07:28	Lead Paint	232 E Grand 101	Hallway	D	Room	Wall	Drywall	Intact	Negative
7758	13:07:54	Lead Paint	232 E Grand 101	Hallway	D	Room	Ceiling	Drywall	Intact	Negative
7759	13:08:25	Lead Paint	232 E Grand 101	Hallway	D	Room	Baseboard	Wood	Intact	Negative
7760	13:08:48	Lead Paint	232 E Grand 101	Hallway	D	Closet	Door	Wood	Intact	Negative
7761	13:10:07	Lead Paint	232 E Grand 101	Hallway	D	Closet	Casing	Wood	Intact	Negative

Appendix D

Building Condition Form

ASTI Environmental

Building Condition Form

Property Address: 232 East Grand Boulevard, Detroit, MI

Name of Property Owner Field Street III LDHA, LLC

Name of Assessor: John Schuitema **Dates of assessment** 9/9/2020

License Number: P-06369

Condition	Yes	No
Roof missing parts of surfaces (tiles, boards, shakes, etc.)		X
Roof has holes or large cracks		X
Gutters or downspouts broken		X
Chimney masonry cracked, bricks loose or missing, obviously out of plumb		X
Exterior or interior walls have obvious large cracks or holes, requiring more than routine pointing (if masonary) or painting		X
Exterior siding has missing boards or shingles		X
Water stains on interior walls or ceilings		X
Walls or ceilings deteriorated		X
More than "very small" amount of paint in room deteriorated		X
Two or more windows or doors broken, missing, or boarded up		X
Porch or steps have major elements broken, missing, or boarded up		X
Foundation has major cracks, missing material, structure leans, or visibly unsound		X
Total number*	0	12

*The "very small" amount is the de minimis amount under the HUD Lead Safe Housing Rule (24 CFR 35. 1350(d)), or the amount of paint that is not "paint in poor condition" under the EPA lead training and certification ("402") rule (40 CFR 745.223).

**If the "Yes" column has two or more checks, the dwelling is usually considered to be in poor condition for the purposes of a risk assessment. However, (1) not all conditions listed above are equally important/significant, and (2) specific conditions and extenuating circumstances should be considered before determining the final condition of the dwelling and the appropriateness of a lead hazard screen.

Notes:

no additional notes

**Disclaimer: The evaluation herein is the assessment of a licensed Lead-based Paint Inspector/Risk Assessor only; it does not represent the expertise of an architect or a structural engineer. The user of this report cannot not rely upon this evaluation as definitive with respect to structural integrity, or the condition of hidden areas/materials such as crawl spaces and insulation.

Appendix E

Lead Dust Wipe Laboratory Test Results

ANALYTICAL LABORATORY REPORT

Monday, September 21, 2020

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-005

LAB NUMBER: AD00884

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: FL-01 Bedroom (Living) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00885

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: WS-01 Bedroom (Living) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.5 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	10 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00886

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: FL-02 Living Room (Dining) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-005

LAB NUMBER: AD00887

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: WS-02 Living Room (Dining) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.56 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	7.3 ug	5.0 ug	**13 ug/ft²**	8.9 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00888

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: FL-03 Bathroom Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00889

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: FL-04 Kitchen Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-005

LAB NUMBER: AD00890

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: WS-04 Kitchen Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.25 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	20 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00891

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: FL-05 Dining Room (Bed 2) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00892

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: WT-05 Dining (Bed 2) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.25 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	5.5 ug	5.0 ug	**22 ug/ft²**	20 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-005

LAB NUMBER: AD00893

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: FL-06 Clothes Room (Bed 1) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00894

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 101
Sample Identification: WS-06 Clothes Room (Bed 1) Unit 101

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.49 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	5.7 ug	5.0 ug	**12 ug/ft²**	10 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-005

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

Tests Reviewed By: David Johnson, Analyst II

Reporting Limit (RL): The lowest concentration of analyte in a sample that can be reported with a defined, reproducible level of certainty. This value is based on the lowest standard used for instrument calibration and must be at least twice the MDL.

GPI Laboratories, Inc. has obtained accreditation under the following programs:

- **National Lead Laboratory Accreditation Program (NLLAP)**
  A2LA: American Association for Laboratory Accreditation (Certificate 5033.01) (www.a2la.org)
- **OH:** Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 (www.odh.ohio.gov)
- **National Environmental Laboratory Accreditation Program (NELAP)**
  NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 61448-61452) (518-485-5570)
  LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) (www.deq.louisiana.gov)
  OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deq.state.ok.us)

Testing which is performed by GPI Laboratories, Inc. according to test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

SCOPE OF ACCREDITATION

Air and Emissions

Element/Test	Method	Accreditation(s)
Suspended Particulates: PM10 / TSP	40 CFR 50 Appendix J / 40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	40 CFR 50 Appendix G	A2LA, LA
Lead in Airborne Dust	NIOSH 7300	A2LA, OH, NY, LA
Metals in Airborne Dust	NIOSH 7300	A2LA

Solid Chemical Materials

Element/Test	Method	Accreditation(s)
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Lead in Soil	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Ignitability	EPA 1010A	NY
pH	EPA 9045D	NY

	Non-Potable Water / Analysis by ICP		Solid Chemical Materials	
Element/Test	Method	Accreditation(s)	Method	Accreditation(s)
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Mercury	EPA 245.1 Rev.3/ EPA 7470A	NY, LA, OK	EPA 7471B	NY, LA, OK
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cobalt	----	----	EPA 6010C	NY, LA, OK
Manganese	----	----	EPA 6010C	NY, LA, OK
Acid Digestion	EPA 3010A	NY, LA	EPA 3050B	NY, LA

CHAIN OF CUSTODY FORM

✓ AT 9/14

GPI

Send To:
GPI Laboratories, Inc.
4403 Donker Court, Grand Rapids MI 49512-4054
(616) 940-3112 | GRLabsInfo@gpinet.com | www.gpinet.com

FOR LAB USE ONLY			
Properly Contained	(YES)	NO	N/A
ASTM E1792 wipes	YES	(NO)	N/A
Adequate Ph Adjust	YES	NO	(N/A)
Lab acidified: By/Date:			

Company: ASTI Environmental	Address: 10448 Citation Dr. Brighton, MI 48116	Company Contact: Dave Amir	P.O./Proj #: 11284
		Telephone: damir@asti-env.com	Location: 232 E Grand Blvd unit 101
		E-Mail: jschuitema@asti-env.com	Comments:

Matrix	TCLP (Waste)	Metals Content	Other Tests	Turnaround Time
☐ Paint Chips ☑ Wipe	☐ Lead	☐ Lead	☐ pH (Corrosivity)	☐ Same Day*
☑ Soil ☐ Filter	☐ RCRA (8) Metals	☐ Lead, Cad., Chrome.	☐ Ignitability	☐ Rush*
☐ Abrasive ☐ Dust	☐ _____	☐ RCRA (8) Metals	☐ VOC (Method 24, etc)	☑ Standard
☐ Wastewater		☐ _____	☐ _____	☐ _____

GPI Labs accepts Visa, MasterCard, and American Express. *Accelerated Turnaround is not available for every test. Please call for information.

Laboratory ID	Sample Number	Date/Time Sampled	Sample Identification / Location:	Special Instructions:	Wipes Area wiped (sq.ft.)	Air Sampling Filters (☐ TSP ☐ PM10 ☐ 37 mm Cassette) Minutes	Flow Rate	UNITS
AD00884	FI-01	9/9/20	Bedroom (Living) unit 101		12x12			
AD00885	WS-01		Bedroom (Living)		6x12			
AD00886	FI-02		Living Room (Dining)		12x12			
AD00887	WS-02		Living Room (Dining)		5x16			
AD00888	FI-03		~~Clothes (Bed 2)~~ Bathroom		12x12			
~~AD00889~~ SL 9/14/20	~~WS-03~~		~~Clothes (Bed 2)~~		—			
AD00889	FI-04		Kitchen		12x12			
AD00890	WS-04		Kitchen		3x12			
AD00891	FI-05		Dining Room (Bed 2)		12x12			
AD00892	WT-05		Dining (Bed 2)		1.5x24			
AD00893	FI-06		Clothes Room (Bed 1)		3x14			
AD00894	WS-06		Clothes Room (Bed 1)					

Sampled By (Please print) : John Schuitema Date Submitted: 9/10/20 Signature: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Page 1 of 1

Method of Shipment: _____

Received for Laboratory by: Sara Larsen Date/Time: 9/14/20, 11:09 Submittal #: 2020-09-14-005

1/18/17 Form #: 53-12

ANALYTICAL LABORATORY REPORT

Monday, September 21, 2020

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-006

LAB NUMBER: AD00895

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: FL-01 Living Room Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00896

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: WT-01 Living Room Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.58 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	8.6 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00897

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: FL-02 Dining Room Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-006

LAB NUMBER: AD00898

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: WS-02 Dining Room Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.56 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- **< RL**	8.9 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00899

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: FL-03 Kitchen Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- **< RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00900

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: WT-03 Kitchen Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.17 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- **< RL**	29 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-006

LAB NUMBER: AD00901

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: FL-04 Bathroom Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00902

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: FL-05 Bedroom 1 Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00903

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: WS-05 Bedroom 1 Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.42 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	12 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-006

LAB NUMBER: AD00904

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: FL-06 Bedroom 2 Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00905

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: WS-06 Bedroom 2 Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.56 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	8.9 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00906

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 201
Sample Identification: FL-07 Under Sink Unit 201

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-006

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

Tests Reviewed By: David Johnson, Analyst II

Reporting Limit (RL): The lowest concentration of analyte in a sample that can be reported with a defined, reproducible level of certainty. This value is based on the lowest standard used for instrument calibration and must be at least twice the MDL.

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- **National Environmental Laboratory Accreditation Program (NELAP)**
  NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 61448-61452) (518-485-5570)
  LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) (www.deq.louisiana.gov)
  OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deq.state.ok.us)

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SCOPE OF ACCREDITATION

Air and Emissions

Element/Test	Method	Accreditation(s)
Suspended Particulates: PM10 / TSP	40 CFR 50 Appendix J / 40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	40 CFR 50 Appendix G	A2LA, LA
Lead in Airborne Dust	NIOSH 7300	A2LA, OH, NY, LA
Metals in Airborne Dust	NIOSH 7300	A2LA

Solid Chemical Materials

Element/Test	Method	Accreditation(s)
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Lead in Soil	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Ignitability	EPA 1010A	NY
pH	EPA 9045D	NY

	Non-Potable Water / Analysis by ICP		Solid Chemical Materials	
Element/Test	Method	Accreditation(s)	Method	Accreditation(s)
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Mercury	EPA 245.1 Rev.3/ EPA 7470A	NY, LA, OK	EPA 7471B	NY, LA, OK
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cobalt	----	----	EPA 6010C	NY, LA, OK
Manganese	----	----	EPA 6010C	NY, LA, OK
Acid Digestion	EPA 3010A	NY, LA	EPA 3050B	NY, LA

CHAIN OF CUSTODY FORM

GPI

Send To:
GPI Laboratories, Inc.
4403 Donker Court, Grand Rapids MI 49512-4054
(616) 940-3112 | GRLabsInfo@gpinet.com | www.gpinet.com

FOR LAB USE ONLY			
Properly Contained	(YES)	NO	N/A
ASTM E1792 wipes	YES	(NO)	N/A
Adequate Ph Adjust	YES	NO	(N/A)
Lab acidified: By/Date:			

Company: ASTI Environmental	Address: 10448 Citation Dr. Brighton, MI 48116	Company Contact: Dave Amir	P.O./Proj #: 11284
		Telephone: damir@asti-env.com	Location: 232 E Grand Blvd unit 201
		E-Mail: jschuitema@asti-env.com	

Matrix	TCLP (Waste)	Metals Content	Other Tests	Turnaround Time
☐ Paint Chips ☑ Wipe	☐ Lead	☐ Lead	☐ pH (Corrosivity)	☐ Same Day*
☑ Soil ☐ Filter	☐ RCRA (8) Metals	☐ Lead, Cad., Chrome.	☐ Ignitability	☐ Rush*
☐ Abrasive ☐ Dust	☐ _____	☐ RCRA (8) Metals	☐ VOC (Method 24, etc)	☑ Standard
☐ Wastewater		☐ _____	☐ _____	☐ _____

Comments:

GPI Labs accepts Visa, MasterCard, and American Express. *Accelerated Turnaround is not available for every test. Please call for information.

Laboratory ID	Sample Number	Date/Time Sampled	Sample Identification / Location:	Special Instructions:	Wipes Area wiped (sq.ft.)	Air Sampling Filters ☐ TSP ☐ PM10 ☐ 37 mm Cassette Minutes	Flow Rate	UNITS
AD00895	FI-01	9/9/20	Living Room Unit 201		12x12			
AD00896	WT-01	"	" "		3x28			
AD00897	FI-02		Dining Room		12x12			
AD00898	WS-02		" "		5x16			
AD00899	FI-03		Kitchen		12x12			
AD00900	WT-03		"		1.5x16			
AD00901	FI-04		Bathroom		12x12			
AD00902	FI-05		Bedroom 1		12x12			
AD00903	WS-05		" "		5x12			
AD00904	FI-06		Bedroom 2		12x12			
AD00905	WS-06		" "		5x16			
AD00906	FI-07		under Sink					

Sampled By (Please print): John Schuitema Date Submitted: 9/10/20 Signature: [signature]

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

VAT 9/14

Method of Shipment: _____

Page 1 of 1

Received for Laboratory by: Sara Larsen Date/Time: 9/14/20, 11:17 Submittal #: 2020-09-14-006

1/18/17 Form #: 53-12

ANALYTICAL LABORATORY REPORT

Monday, September 21, 2020

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-007

LAB NUMBER: AD00907

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: FL-01 Living Room Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00908

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: WS-01 Living Room Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.67 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	13 ug	5.0 ug	**20 ug/ft²**	7.5 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00909

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: FL-02 Dining Room Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-007

LAB NUMBER: AD00910

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: WS-02 Dining Room Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.56 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	13 ug	5.0 ug	**22 ug/ft²**	8.9 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00911

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: FL-03 Kitchen Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00912

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: WS-03 Kitchen Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.21 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	24 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-007

LAB NUMBER: AD00913

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: FL-04 Bathroom Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00914

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: FL-05 Bedroom 1 Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00915

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: WS-05 Bedroom 1 Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.56 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	8.9 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-007

LAB NUMBER: AD00916

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: FL-06 Bedroom 2 Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00917

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: WS-06 Bedroom 2 Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.42 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	12 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00918

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 102
Sample Identification: FL-07 Under Sink Unit 102

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-007

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

Tests Reviewed By: David Johnson, Analyst II

Reporting Limit (RL): The lowest concentration of analyte in a sample that can be reported with a defined, reproducible level of certainty. This value is based on the lowest standard used for instrument calibration and must be at least twice the MDL.

GPI Laboratories, Inc. has obtained accreditation under the following programs:

- **National Lead Laboratory Accreditation Program (NLLAP)**
  A2LA: American Association for Laboratory Accreditation (Certificate 5033.01) (www.a2la.org)
- **OH:** Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 (www.odh.ohio.gov)
- **National Environmental Laboratory Accreditation Program (NELAP)**
  NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 61448-61452) (518-485-5570)
  LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) (www.deq.louisiana.gov)
  OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deq.state.ok.us)

Testing which is performed by GPI Laboratories, Inc. according to test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

SCOPE OF ACCREDITATION

Air and Emissions

Element/Test	Method	Accreditation(s)
Suspended Particulates: PM10 / TSP	40 CFR 50 Appendix J / 40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	40 CFR 50 Appendix G	A2LA, LA
Lead in Airborne Dust	NIOSH 7300	A2LA, OH, NY, LA
Metals in Airborne Dust	NIOSH 7300	A2LA

Solid Chemical Materials

Element/Test	Method	Accreditation(s)
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Lead in Soil	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Ignitability	EPA 1010A	NY
pH	EPA 9045D	NY

	Non-Potable Water / Analysis by ICP		Solid Chemical Materials	
Element/Test	Method	Accreditation(s)	Method	Accreditation(s)
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Mercury	EPA 245.1 Rev.3/ EPA 7470A	NY, LA, OK	EPA 7471B	NY, LA, OK
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cobalt	----	----	EPA 6010C	NY, LA, OK
Manganese	----	----	EPA 6010C	NY, LA, OK
Acid Digestion	EPA 3010A	NY, LA	EPA 3050B	NY, LA

CHAIN OF CUSTODY FORM

GPI

Send To:
GPI Laboratories, Inc.
4403 Donker Court, Grand Rapids MI 49512-4054
(616) 940-3112 | GRLabsInfo@gpinet.com | www.gpinet.com

FOR LAB USE ONLY			
Properly Contained	YES	NO	N/A
ASTM E1792 wipes	YES	NO	N/A
Adequate Ph Adjust	YES	NO	N/A
Lab acidified: By/Date:			

Company: ASTI Environmental	Address: 10448 Citation Dr. Brighton, MI 48116	Company Contact: Dave Amir Telephone: damir@asti-env.com E-Mail: jschuitema@asti-env.com	P.O./Proj #: 11284 Location: 232 E Grand Blvd unit 102

Matrix	TCLP (Waste)	Metals Content	Other Tests	Turnaround Time
☐ Paint Chips ☑ Wipe	☐ Lead	☐ Lead	☐ pH (Corrosivity)	☐ Same Day*
☑ Soil ☐ Filter	☐ RCRA (8) Metals	☐ Lead, Cad., Chrome.	☐ Ignitability	☐ Rush*
☐ Abrasive ☐ Dust	☐ _____	☐ RCRA (8) Metals	☐ VOC (Method 24, etc)	☑ Standard
☐ Wastewater		☐ _____	☐ _____	☐ _____

Comments:

GPI Labs accepts Visa, MasterCard, and American Express. *Accelerated Turnaround is not available for every test. Please call for information.

Laboratory ID	Sample Number	Date/Time Sampled	Sample Identification / Location:	Special Instructions:	Wipes Area wiped (sq.ft.)	Air Sampling Filters (☐ TSP ☐ PM10 ☐ 37 mm Cassette) Minutes	Flow Rate	UNITS
AD00907	FI-01	9/9/20	Living Room unit 102		12x12			
AD00908	WS-01		Living Room		6x16			
AD00909	FI-02		Dining Room		12x12			
AD00910	WS-02		" "		5x16			
AD00911	FI-03		Kitchen		12x12			
AD00912	WS-03		" "		3x10			
AD00913	FI-04		Bathroom		12x12			
AD00914	FI-05		Bedroom 1		12x12			
AD00915	WS-05		" "		5x16			
AD00916	FI-06		Bedroom 2		12x12			
AD00917	WS-06		" "		5x12			
AD00918	FI-07		Utility Sink		12x12			

Sampled By (Please print): John Schuitema Date Submitted: 9/10/20 Signature: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Method of Shipment: _____

AT914

Page 1 of 1

Received for Laboratory by: Sara Larson Date/Time: 9/14/20, 11:16 Submittal #: 2020-09-14-007

1/18/17 Form #: 53-12

ANALYTICAL LABORATORY REPORT

Monday, September 21, 2020

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-008

LAB NUMBER: AD00919

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: FL-01 Dining Room Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00920

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: WS-01 Dining Room Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 0.83 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	6.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00921

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: FL-02 Living Room Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-008

LAB NUMBER: AD00922

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: FL-03 Kitchen Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00923

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: FL-04 Hall Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Tuesday, September 15, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00924

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: FL-05 Bath Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-008

LAB NUMBER: AD00925

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: WS-05 Bath Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 0.45 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- **< RL**	11 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00926

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: FL-06 Bedroom Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- **< RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00927

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: WS-06 Bedroom Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 0.42 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- **< RL**	12 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-008

LAB NUMBER: AD00928

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit B-1
Sample Identification: FL-06 Under Sink Unit B-1

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-008

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

Tests Reviewed By: David Johnson, Analyst II

Reporting Limit (RL): The lowest concentration of analyte in a sample that can be reported with a defined, reproducible level of certainty. This value is based on the lowest standard used for instrument calibration and must be at least twice the MDL.

GPI Laboratories, Inc. has obtained accreditation under the following programs:

- **National Lead Laboratory Accreditation Program (NLLAP)**
  A2LA: American Association for Laboratory Accreditation (Certificate 5033.01) (www.a2la.org)
- **OH:** Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 (www.odh.ohio.gov)
- **National Environmental Laboratory Accreditation Program (NELAP)**
  NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 61448-61452) (518-485-5570)
  LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) (www.deq.louisiana.gov)
  OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deq.state.ok.us)

Testing which is performed by GPI Laboratories, Inc. according to test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

SCOPE OF ACCREDITATION

Air and Emissions

Element/Test	Method	Accreditation(s)
Suspended Particulates: PM10 / TSP	40 CFR 50 Appendix J / 40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	40 CFR 50 Appendix G	A2LA, LA
Lead in Airborne Dust	NIOSH 7300	A2LA, OH, NY, LA
Metals in Airborne Dust	NIOSH 7300	A2LA

Solid Chemical Materials

Element/Test	Method	Accreditation(s)
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Lead in Soil	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Ignitability	EPA 1010A	NY
pH	EPA 9045D	NY

Non-Potable Water / Analysis by ICP			Solid Chemical Materials		
Element/Test	Method	Accreditation(s)		Method	Accreditation(s)
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Mercury	EPA 245.1 Rev.3/ EPA 7470A	NY, LA, OK	EPA 7471B	NY, LA, OK	
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK	
Cobalt	----	----	EPA 6010C	NY, LA, OK	
Manganese	----	----	EPA 6010C	NY, LA, OK	
Acid Digestion	EPA 3010A	NY, LA	EPA 3050B	NY, LA	

CHAIN OF CUSTODY FORM

GPI

Send To:
GPI Laboratories, Inc.
4403 Donker Court, Grand Rapids MI 49512-4054
(616) 940-3112 | GRLabsInfo@gpinet.com | www.gpinet.com

FOR LAB USE ONLY

Properly Contained	(YES)	NO	N/A
ASTM E1792 wipes	(YES)	NO	N/A
Adequate Ph Adjust	YES	NO	(N/A)
Lab acidified: By/Date:	N/A		

Company: ASTI Environmental	Address: 10448 Citation Dr. Brighton, MI 48116	Company Contact: Dave Amir	P.O./Proj #: 11284
		Telephone: damir@asti-env.com	Location: 232 E Grand Blvd Unit B-1
		E-Mail: jschuitema@asti-env.com	

Matrix	TCLP (Waste)	Metals Content	Other Tests	Turnaround Time
☐ Paint Chips ☑ Wipe	☐ Lead	☐ Lead	☐ pH (Corrosivity)	☐ Same Day*
☑ Soil ☐ Filter	☐ RCRA (8) Metals	☐ Lead, Cad., Chrome.	☐ Ignitability	☐ Rush*
☐ Abrasive ☐ Dust	☐ _____	☐ RCRA (8) Metals	☐ VOC (Method 24, etc)	☑ Standard
☐ Wastewater		☐ _____	☐ _____	☐ _____

Comments:

GPI Labs accepts Visa, MasterCard, and American Express. *Accelerated Turnaround is not available for every test. Please call for information.

Laboratory ID	Sample Number	Date/Time Sampled	Sample Identification / Location:	Special Instructions:	Wipes: Area wiped (sq.ft.)	Air Sampling Filters (☐ TSP ☐ PM10 ☐ 37 mm Cassette): Minutes	Flow Rate	UNITS
AD00919	FI-01	9/9/20	Dining Room unit B-1		12x12			
AD00920	WS-01		Dining Room		10x12			
AD00921	FI-02		Living Room		12x12			
AD00922	FI-03		Kitchen		12x12			
AD00923	FI-04		Hall		12x12			
AD00924	FI-05		Bath		12x12			
AD00925	WS-05		Bath		6.5x10			
AD00926	FI-06		Bedroom		12x12			
AD00927	WS-06		Bedroom		5x12			
AD00928	FI-06		under Sink		12x12			

Sampled By (Please print): John Schuitema Date Submitted: 9/10/20 Signature: [signature]

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Page 1 of 1

Method of Shipment: _____

Received for Laboratory by: Sara Larsen Date/Time: 9/14/20, 11:18 Submittal #: 2020-09-14-008 1/18/17 Form #: 53-12

JCI 9/14/20

ANALYTICAL LABORATORY REPORT

Monday, September 21, 2020

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-009

LAB NUMBER: AD00929

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: FL-01 Living Room Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00930

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: WT-01 Living Room Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.1 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	12 ug	5.0 ug	**10 ug/ft²**	4.5 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00931

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: FL-02 Dining Room Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-009

LAB NUMBER: AD00932

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: WS-02 Dining Room Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 0.46 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	8.2 ug	5.0 ug	**18 ug/ft²**	11 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00933

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: FL-03 Kitchen Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00934

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: WS-03 Kitchen Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 0.49 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	10 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-009

LAB NUMBER: AD00935

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: FL-04 Bathroom Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00936

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: WS-05 Bedroom 1 Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 0.56 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	12 ug	5.0 ug	**21 ug/ft²**	8.9 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00937

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: FL-05 Bedroom 1 Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-009

LAB NUMBER: AD00938

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: FL-06 Bedroom 2 Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00939

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Unit 202
Sample Identification: WS-06 Bedroom 2 Unit 202

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 0.38 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	13 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-009

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

Tests Reviewed By: David Johnson, Analyst II

Reporting Limit (RL): The lowest concentration of analyte in a sample that can be reported with a defined, reproducible level of certainty. This value is based on the lowest standard used for instrument calibration and must be at least twice the MDL.

GPI Laboratories, Inc. has obtained accreditation under the following programs:

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  A2LA: American Association for Laboratory Accreditation (Certificate 5033.01) (www.a2la.org)
- **OH:** Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 (www.odh.ohio.gov)
- **National Environmental Laboratory Accreditation Program (NELAP)**
  NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 61448-61452) (518-485-5570)
  LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) (www.deq.louisiana.gov)
  OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deq.state.ok.us)

Testing which is performed by GPI Laboratories, Inc. according to test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

SCOPE OF ACCREDITATION

Air and Emissions

Element/Test	Method	Accreditation(s)
Suspended Particulates: PM10 / TSP	40 CFR 50 Appendix J / 40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	40 CFR 50 Appendix G	A2LA, LA
Lead in Airborne Dust	NIOSH 7300	A2LA, OH, NY, LA
Metals in Airborne Dust	NIOSH 7300	A2LA

Solid Chemical Materials

Element/Test	Method	Accreditation(s)
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Lead in Soil	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Ignitability	EPA 1010A	NY
pH	EPA 9045D	NY

	Non-Potable Water / Analysis by ICP		Solid Chemical Materials	
Element/Test	Method	Accreditation(s)	Method	Accreditation(s)
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Mercury	EPA 245.1 Rev.3/ EPA 7470A	NY, LA, OK	EPA 7471B	NY, LA, OK
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cobalt	----	----	EPA 6010C	NY, LA, OK
Manganese	----	----	EPA 6010C	NY, LA, OK
Acid Digestion	EPA 3010A	NY, LA	EPA 3050B	NY, LA

CHAIN OF CUSTODY FORM

AT 9/14

GPI

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GPI Laboratories, Inc.
4403 Donker Court, Grand Rapids MI 49512-4054
(616) 940-3112 | GRLabsInfo@gpinet.com | www.gpinet.com

FOR LAB USE ONLY			
Properly Contained	(YES)	NO	N/A
ASTM E1792 wipes	YES	(NO)	N/A
Adequate Ph Adjust	YES	NO	(N/A)
Lab acidified: By/Date:			

Company: ASTI Environmental	Address: 10448 Citation Dr. Brighton, MI 48116	Company Contact: Dave Amir	P.O./Proj #: 11284
		Telephone: damir@asti-env.com	Location: 232 E Grand Blvd unit 202
		E-Mail: jschuitema@asti-env.com	

Matrix	TCLP (Waste)	Metals Content	Other Tests	Turnaround Time
☐ Paint Chips ☑ Wipe	☐ Lead	☐ Lead	☐ pH (Corrosivity)	☐ Same Day*
☑ Soil ☐ Filter	☐ RCRA (8) Metals	☐ Lead, Cad., Chrome.	☐ Ignitability	☐ Rush*
☐ Abrasive ☐ Dust	☐ _____	☐ RCRA (8) Metals	☐ VOC (Method 24, etc)	☑ Standard
☐ Wastewater		☐ _____	☐ _____	☐ _____

Comments:

GPI Labs accepts Visa, MasterCard, and American Express. *Accelerated Turnaround is not available for every test. Please call for information.

Laboratory ID	Sample Number	Date/Time Sampled	Sample Identification / Location:	Special Instructions:	Wipes Area wiped (sq.ft.)	Air Sampling Filters ☐ TSP ☐ PM10 ☐ 37 mm Cassette Minutes	Flow Rate	UNITS
AD00929	F1-01	9/9/20	Living Room Unit 202		12x12			
AD00930	WT-01	"	" "		5x32			
AD00931	F1-02		Dining Room		12x12			
AD00932	WS-02		" "		5.5x12			
AD00933	F1-03		Kitchen		12x12			
AD00934	WS-03		" "		5x14			
AD00935	F1-04		Bathroom		12x12			
AD00936	WS-05		Bedroom 1		5x16			
AD00937	F1-05		" "		12x12			
AD00938	F1-06		Bedroom 2		12x12			
AD00939	WS-06		" "		5.5x10			

Sampled By (Please print): John Schuitema Date Submitted: 9/10/20 Signature: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Method of Shipment: _____

AT 9/14

Page 1 of 1

Received for Laboratory by: Sara Larsen Date/Time: 9/14/20, 11:19 Submittal #: 2020-09-14-009

1/18/17 Form #: 53-12

ANALYTICAL LABORATORY REPORT

Monday, September 21, 2020

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-010

LAB NUMBER: AD00940

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Common
Sample Identification: FL-01 2nd Floor Hall Common Area

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00941

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Common
Sample Identification: FL-02 Stair Landing

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00942

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Common
Sample Identification: FL-03 1st Floor Entry

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-010

LAB NUMBER: AD00943

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Common
Sample Identification: FL-04 1st Floor Hall

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	**- < RL**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00944

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Common
Sample Identification: FL-05 Laundry Room

Date Sampled: 09/09/2020
Sample Description: Dust Wipe

Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wipe Samples)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Wednesday, September 16, 2020

***Sample Area:** 1.0 sq ft

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	15 ug	5.0 ug	**15 ug/ft²**	5.0 ug/ft²

*Based on sampling information supplied by the client.

LAB NUMBER: AD00945

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Common
Sample Identification: SL-01 Side A Dripline

Date Sampled: 09/09/2020
Sample Description: Soil

Preparation Method: EPA 3050B-S-M (Acid Digestion for Soils)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Thursday, September 17, 2020

ELEMENT	RESULT (by dry weight)	REPORTING LIMIT (RL)
Lead	**150 mg/Kg**	10 mg/Kg

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-010

LAB NUMBER: AD00946

Sampled By: John Schuitema
Job Location: 232 E Grand Blvd Common
Sample Identification: SL-02 Side D Dripline

Date Sampled: 09/09/2020
Sample Description: Soil

Preparation Method: EPA 3050B-S-M (Acid Digestion for Soils)
Analysis Method: EPA 6010C-M (ICP-AES Method for Determination of Metals)
Date Analyzed: Thursday, September 17, 2020

ELEMENT	RESULT (by dry weight)	REPORTING LIMIT (RL)
Lead	**67 mg/Kg**	10 mg/Kg

ANALYTICAL LABORATORY REPORT

CUSTOMER: ASTI Environmental
10448 Citation Dr.
Brighton, MI 48116

DATE RECEIVED: Monday, September 14, 2020
PO/PROJECT #: 11284
SUBMITTAL #: 2020-09-14-010

Unless otherwise noted, the condition of each sample was acceptable upon receipt, all laboratory quality control requirements were met, and sample results have not been adjusted based on field blank or other analytical blank results. Individual sample results relate only to the sample as received by the laboratory.

Tests Reviewed By: David Johnson, Analyst II

Reporting Limit (RL): The lowest concentration of analyte in a sample that can be reported with a defined, reproducible level of certainty. This value is based on the lowest standard used for instrument calibration and must be at least twice the MDL.

GPI Laboratories, Inc. has obtained accreditation under the following programs:

- **National Lead Laboratory Accreditation Program (NLLAP)**
  A2LA: American Association for Laboratory Accreditation (Certificate 5033.01) (www.a2la.org)
- **OH:** Ohio Department of Health Lead Poisoning Prevention Program, Approval #E10013 (www.odh.ohio.gov)
- **National Environmental Laboratory Accreditation Program (NELAP)**
  NY: State of New York Department of Health, Laboratory ID#11609 (Serial # 61448-61452) (518-485-5570)
  LA: State of Louisiana Department of Environmental Quality, Laboratory ID#180321 (Certificate 05036) (www.deq.louisiana.gov)
  OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deq.state.ok.us)

Testing which is performed by GPI Laboratories, Inc. according to test methods, or for elements which are not included in the table below fall outside of the current scope of laboratory accreditation. Customers are encouraged to verify the current accreditation status with the individual accreditation programs by calling or visiting the appropriate website for the applicable program.

SCOPE OF ACCREDITATION

Air and Emissions

Element/Test	Method	Accreditation(s)
Suspended Particulates: PM10 / TSP	40 CFR 50 Appendix J / 40 CFR 50 Appendix B	NY, LA
Lead in Airborne Dust	40 CFR 50 Appendix G	A2LA, LA
Lead in Airborne Dust	NIOSH 7300	A2LA, OH, NY, LA
Metals in Airborne Dust	NIOSH 7300	A2LA

Solid Chemical Materials

Element/Test	Method	Accreditation(s)
TCLP	EPA 1311(Sample Preparation Method)	NY, LA, OK
Lead in Soil	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA, OK
Lead in Paint	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Lead in Paint	ASTM D 3335-85A/ EPA 6010C	NY
Lead in Dust Wipes	EPA 3050B/ EPA 6010C	A2LA, OH, NY, LA
Ignitability	EPA 1010A	NY
pH	EPA 9045D	NY

	Non-Potable Water / Analysis by ICP		Solid Chemical Materials	
Element/Test	Method	Accreditation(s)	Method	Accreditation(s)
Arsenic	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Barium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cadmium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Chromium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Copper	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Lead	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Mercury	EPA 245.1 Rev.3/ EPA 7470A	NY, LA, OK	EPA 7471B	NY, LA, OK
Nickel	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Selenium	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Silver	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Zinc	EPA 6010C/ EPA 200.7 Rev 4.4	NY, LA, OK	EPA 6010C	NY, LA, OK
Cobalt	----	----	EPA 6010C	NY, LA, OK
Manganese	----	----	EPA 6010C	NY, LA, OK
Acid Digestion	EPA 3010A	NY, LA	EPA 3050B	NY, LA

CHAIN OF CUSTODY FORM

GPI

Send To:
GPI Laboratories, Inc.
4403 Donker Court, Grand Rapids MI 49512-4054
(616) 940-3112 | GRLabsInfo@gpinet.com | www.gpinet.com

FOR LAB USE ONLY			
Properly Contained	(YES)	NO	N/A
ASTM E1792 wipes	(YES)	NO	N/A
Adequate Ph Adjust	YES	NO	(N/A)
Lab acidified: By/Date:	N/A		

Company: ASTI Environmental	Address: 10448 Citation Dr. Brighton, MI 48116	Company Contact: Dave Amir	P.O./Proj #: 11284
		Telephone: damir@asti-env.com	Location: 232 E Grand Blvd Common
		E-Mail: jschuitema@asti-env.com	

Matrix	TCLP (Waste)	Metals Content	Other Tests	Turnaround Time
☐ Paint Chips ☑ Wipe	☐ Lead	☐ Lead	☐ pH (Corrosivity)	☐ Same Day*
☑ Soil ☐ Filter	☐ RCRA (8) Metals	☐ Lead, Cad., Chrome.	☐ Ignitability	☐ Rush*
☐ Abrasive ☐ Dust	☐ _____	☐ RCRA (8) Metals	☐ VOC (Method 24, etc)	☑ Standard
☐ Wastewater		☐ _____	☐ _____	☐ _____

Comments:

GPI Labs accepts Visa, MasterCard, and American Express. *Accelerated Turnaround is not available for every test. Please call for information.

Laboratory ID	Sample Number	Date/Time Sampled	Sample Identification / Location:	Special Instructions:	Wipes Area wiped (sq.ft.)	Air Sampling Filters ☐ TSP ☐ PM10 ☐ 37 mm Cassette Minutes	Flow Rate	UNITS
AD00940	FI-01	9/9/20	2nd flor Hall Common Area		12x12			
AD00941	FI-02		Stair landing		12x12			
AD00942	FI-03		1st floor Entry		12x12			
AD00943	FI-04		1st floor Hall		12x12			
AD00944	FI-05		Laundry Room		12x12			
AD00945	SI-01		Sink A Dripline					
AD00946	SI-02		Sink D Dripline					

Sampled By (Please print): John Schuitema Date Submitted: 9/10/20 Signature: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Received by: _____ Date/Time: _____ Relinquished Date/Time: _____

Method of Shipment: _____

Page 1 of 1

Received for Laboratory by: Sara Larsen Date/Time: 9/14/20, 11:20 Submittal #: 2020-09-14-010 1/18/17 Form #: 53-12

√ CI 9/14/20

Appendix F

HUD Standard Reevaluation Schedule

Standard Reevaluation Schedules

Schedule	Evaluation Results	Action Taken	Reevaluation Frequency and Duration	Visual Survey (by owner or owner's representative)
1	Combination risk assessment/inspection finds no leaded dust or soil and no lead-based paint.	None.	None.	None.
2	No lead-based paint hazards found during risk assessment conducted before hazard control or at clearance (hazards include dust and soil).	None.	3 Years.	Annually and whenever information indicates a possible problem .
3	The average of leaded dust levels on all floors, interior window sills, or window troughs sampled exceeds the applicable standard, but by less than a factor of 10.	A. Interim controls and/or hazard abatement (or mixture of the two), including, but not necessarily limited to, dust removal. This schedule does not include window replacement.	1 Year, 2 Years.	Same as Schedule 2, except for encapsulants. The first visual survey of encapsulants should be done one month after clearance; the second should be done 6 months later and annually thereafter.
		B. Treatments specified in section A plus replacement of all windows with lead hazards.	1 Year.	
		C. Abatement of all lead-based paint using encapsulation or enclosure.	None.	Same as Schedule 3 above.
		D. Removal of all lead-based paint.	None.	None.
4	The average of leaded dust levels on all floors, interior window sills, or window troughs sampled exceeds the applicable standard by a factor of 10 or more.	A. Interim controls and/or hazard abatement (or mixture of the two), including, but not necessarily limited to dust removal. This schedule does not include window replacement.	6 Months, 1 Year, 2 Years.	Same as Schedule 3.
		B. Treatments specified in section A plus replacement of all windows with lead hazards.	6 Months, 2 Years.	Same as Schedule 3.
		C. Abatement of all lead-based paint using encapsulation and enclosure.	None.	Same as Schedule 3.
		D. Removal of all lead-based paint.	None.	None.

Standard Reevaluation Schedules (continued)

Schedule	Evaluation Results	Action Taken	Reevaluation Frequency and Duration	Visual Survey (by owner or owner's representative)
5	No leaded dust or leaded soil hazards identified, but lead-based paint or lead-based paint hazards are found.	A. Interim controls or mixture of interim controls and a batement (not including window replacement).	2 Years.	Same as Schedule 3.
		B. Mixture of interim controls and abatement, including window replacement.	3 Years.	Same as Schedule 3.
		C. Abatement of all lead-based paint *hazards*, but not all lead-based paint.	4 Years.	Same as Schedule 3.
		D. Abatement of all lead-based paint using encapsulation or enclosure.	None.	Same as Schedule 3.
		E. Removal of all lead-based paint.	None.	None.
6	Bare leaded soil exceeds standard, but less than 5,000 µg/g.	Interim controls.	None.	Three months to check new ground cover, then annually to identify new bare spots.
7	Bare leaded soil greater than or equal to 5,000 µg/g.	Abatement (paving or removal).	None.	None for removal, annually to identify new bare spots or deterioration of paving.

See notes to table 6.1 on following page.

Notes to Table

1. When more than one schedule applies to a dwelling, use the one with the most stringent reevaluation schedule. Do not use the results of a reevaluation for Schedule 2.

2. A lead-based paint hazard includes, but is not limited to, deteriorated lead-based paint and leaded dust and soil above applicable standards. See the Glossary for a more complete definition.

3. The frequency of reevaluations and the interval between reevaluations depends on the findings at each reevaluation and the action taken. For example, a dwelling unit or common area falling under Schedule 3.A would be reevaluated 1 year after clearance. If no lead-based paint hazards are detected at that time, the unit or area would be reevaluated again 2 years after the first reevaluation. If no hazards are found in the second reevaluation, no further reevaluation is necessary, but annual visual monitoring should continue.

   If, on the other hand, the unit or common area fails a reevaluation, a new reevaluation schedule should be determined based on the results of the reevaluation and the action taken. For instance, if the re-evaluation finds deteriorated lead-based paint but no lead-contaminated dust, and the action taken is paint stabilization, Schedule 5.A would apply, which indicates that the next reevaluation should be in 2 years. If, however, the owner of this same property decides to abate all lead-based paint hazards instead of doing only paint stabilization, the property would move to Schedule 5.C, which calls for reevaluation 4 years from the date of clearance after the hazard abatement.

   Following another scenario, suppose a reevaluation of this same dwelling unit or common area finds that the average dust lead levels on sampled window troughs exceeds the applicable standard by a factor of 10 or more, but no other lead-based paint hazards. The owner conducts dust removal. In this case the next reevaluation would be 6 months after clearance followed by another a year later, followed by yet another 2 years later, as indicated by Schedule 4.A.

4. The initial evaluation results determine which reevaluation schedule should be applied. An initial evaluation can be a risk assessment, a risk assessment/ inspection combination, or, if the owner has opted to bypass the initial evaluation and proceed directly to controlling suspected hazards, a combination risk assessment/clearance examination. This type of clearance must be conducted by a certified risk assessor, who should determine if all hazards were in fact controlled. The results of the initial clearance dust tests, soil sampling and visual examination should be used to determine the appropriate schedule. If repeated cleaning was necessary to achieve clearance, use the results of the dust tests *before* repeated cleaning was performed for schedule determination.

5. If a unit fails two consecutive reevaluations, the reevaluation interval should be reduced by half and the number of reevaluations should be doubled. If deteriorated lead-based paint hazards continue to occur, then the offending components/surfaces should be abated. If dwellings with dust hazards but no paint-related hazards repeatedly fail reevaluations, the exterior source should be identified (if identification efforts fail, regular dust removal efforts are needed).

ASTI ENVIRONMENTAL

8,000 ENVIRONMENTAL INVESTIGATION, REMEDIATION, COMPLIANCE AND RESTORATION PROJECTS THROUGHOUT THE GREAT LAKES SINCE 1985.

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ASTI ENVIRONMENTAL

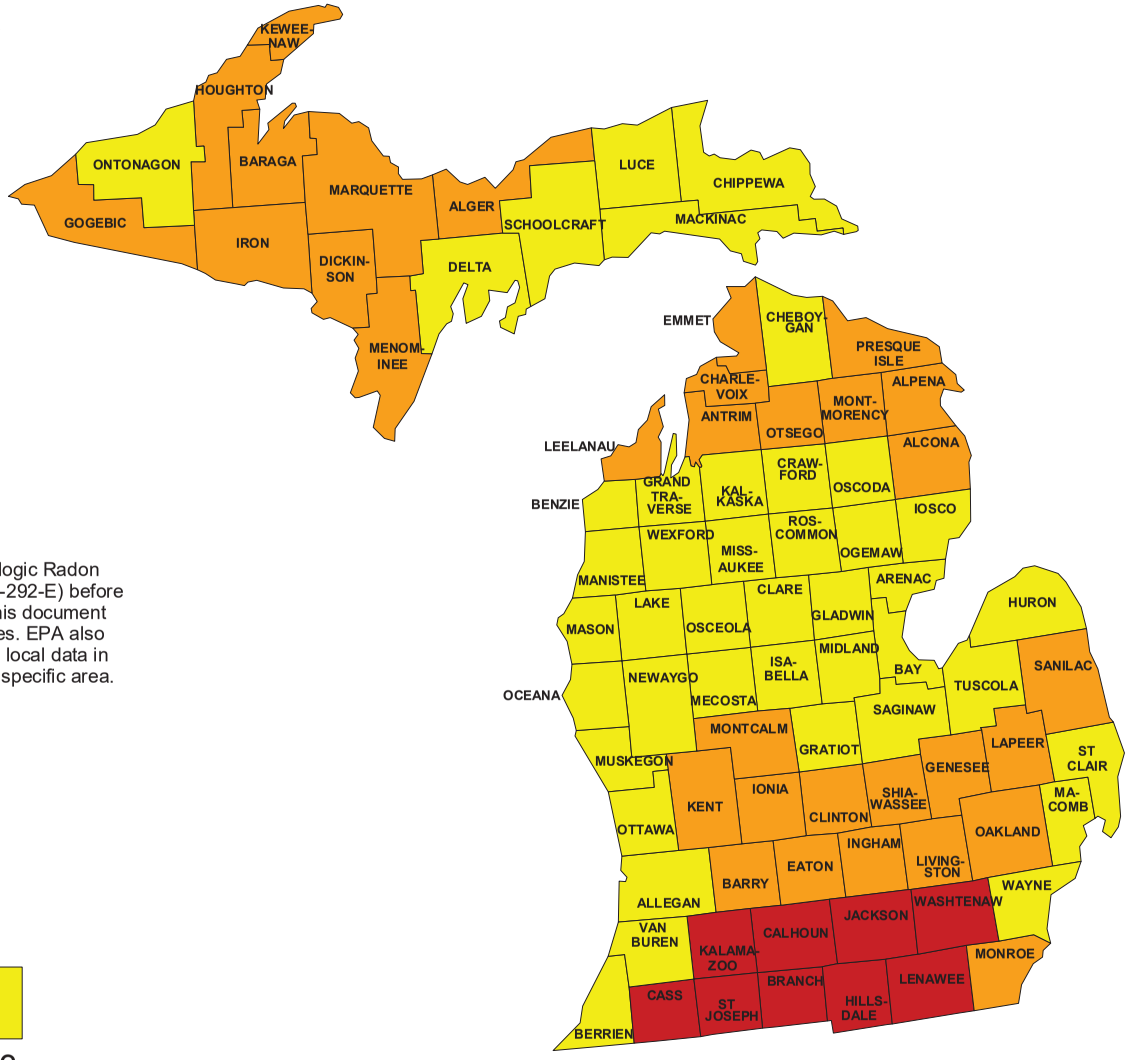
MICHIGAN - EPA Map of Radon Zones

http://www.epa.gov/radon/zonemap.html

The purpose of this map is to assist National, State and local organizations to target their resources and to implement radon-resistant building codes.

This map is not intended to determine if a home in a given zone should be tested for radon. Homes with elevated levels of radon have been found in all three zones.

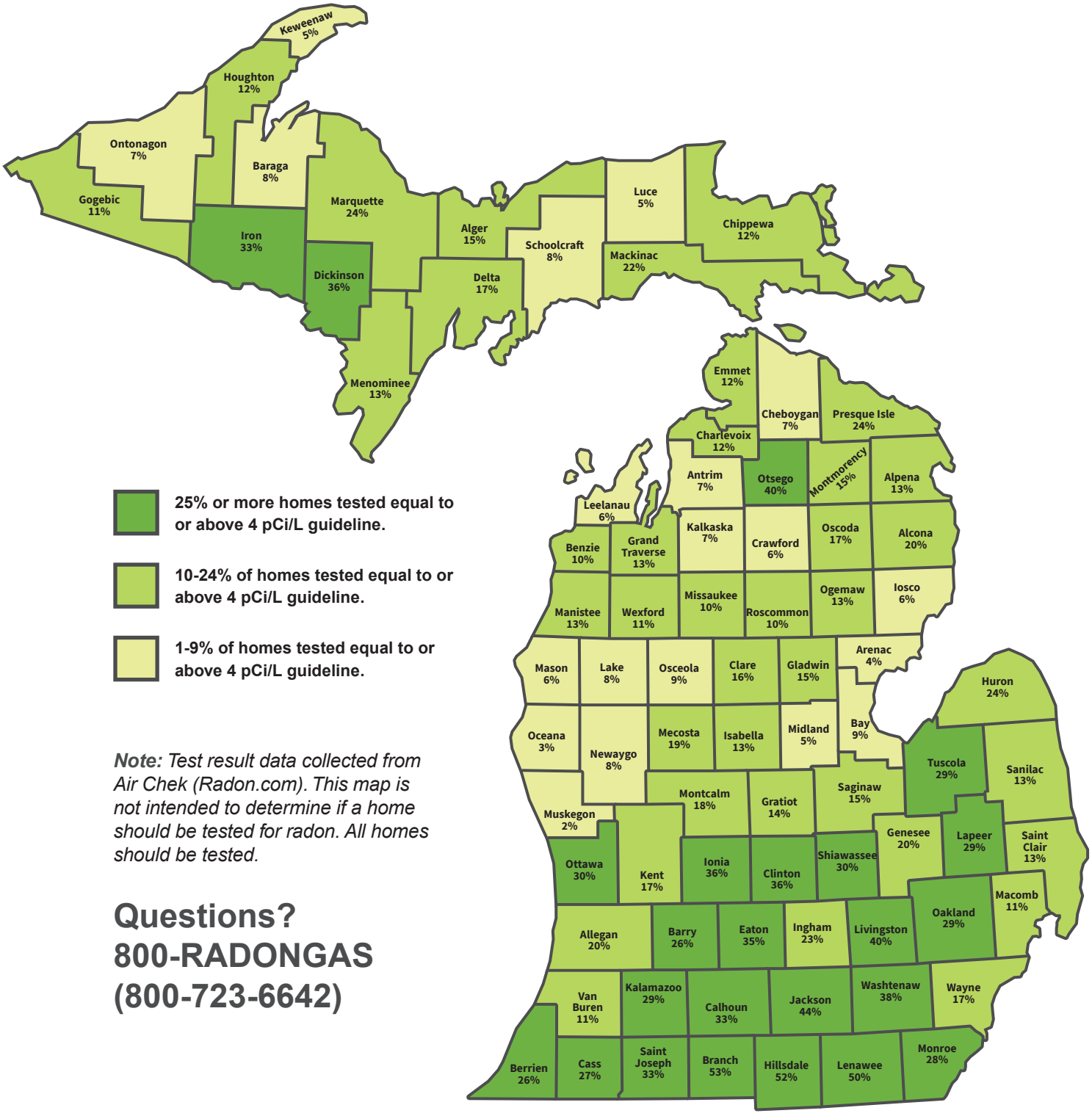
All homes should be tested, regardless of zone designation.



IMPORTANT: Consult the publication entitled "Preliminary Geologic Radon Potential Assessment of Michigan" (USGS Open-file Report 93-292-E) before using this map. http://energy.cr.usgs.gov/radon/grpinfo.html This document contains information on radon potential variations within counties. EPA also recommends that this map be supplemented with any available local data in order to further understand and predict the radon potential of a specific area.

Zone 1 Zone 2 Zone 3

Percentage of Elevated Radon Test Results by County



25% or more homes tested equal to or above 4 pCi/L guideline.

10-24% of homes tested equal to or above 4 pCi/L guideline.

1-9% of homes tested equal to or above 4 pCi/L guideline.

Note: *Test result data collected from Air Chek (Radon.com). This map is not intended to determine if a home should be tested for radon. All homes should be tested.*

Questions?
800-RADONGAS
(800-723-6642)

EGLE MICHIGAN DEPARTMENT OF ENVIRONMENT, GREAT LAKES, AND ENERGY

800-662-9278 | Michigan.gov/radon

12/2019

Michigan
Federally-listed Endangered and Threatened Species

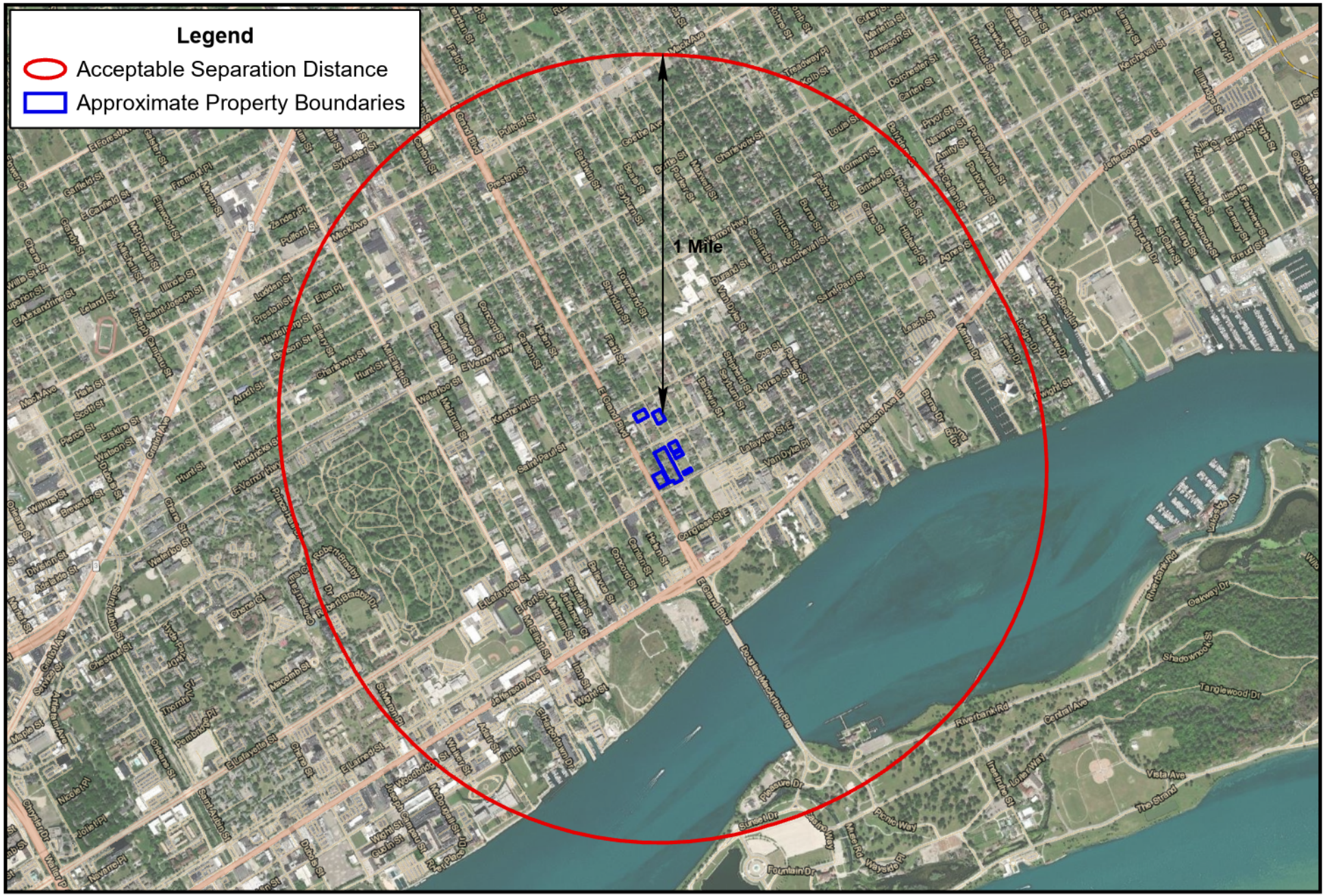
Updated October 2018

SPECIES	STATUS	COUNTIES	HABITAT
MAMMALS			
Canada lynx *(Lynx canadensis)*	Threatened	**Current distribution:** A Canada lynx was recently documented in the Upper Peninsula. The counties listed here have the highest potential for Lynx presence: Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft.	Northern forests
Gray wolf *Canis lupus*	Endangered	Alger, Baraga, Chippewa, Delta, Dickinson, Gogebic, Houghton, Iron, Keweenaw, Luce, Mackinac, Marquette, Menominee, Ontonagon, Schoolcraft	Northern forested areas
Indiana bat *(Myotis sodalis)*	Endangered	Allegan, Barry, Bay, Benzie, Berrien, Branch, Calhoun, Cass, Clinton, Eaton, Genesee, Gratiot, Hillsdale, Ingham, Ionia, Jackson, Kalamazoo, Kent, Lapeer, Leelanau, Lenawee, Livingston, Macomb, Manistee, Mason, Monroe, Montcalm, Muskegon, Oakland, Oceana, Ottawa, Saginaw, St. Joseph, Sanilac, Shiawassee, St. Clair, Tuscola, Van Buren, Washtenaw, and Wayne	Summer habitat includes small to medium river and stream corridors with well developed riparian woods; woodlots within 1 to 3 miles of small to medium rivers and streams; and upland forests. Caves and mines as hibernacula.
Northern long-eared bat *Myotis septentrionalis*	Threatened	Statewide	Hibernates in caves and mines - swarming in surrounding wooded areas in autumn. Roosts and forages in upland forests during spring and summer.
BIRDS			
Kirtland's warbler *Setophaga kirtlandii*	Endangered	Alcona, Alger, Antrim, Baraga, Chippewa, Clare, Crawford, Delta, Grand Traverse, Iosco, Kalkaska, Luce, Marquette, Montmorency, Ogemaw, Oscoda, Otsego, Presque Isle, Roscommon, Schoolcraft	Breeding in young jack pine
Piping plover *(Chradrius melodus)*	Endangered	Alger, Alpena, Benzie, Berrien, Charlevoix, Cheboygan, Chippewa, Delta, Emmet, Leelanau, Luce, Mackinac, Manistee, Mason, Muskegon, Presque Isle, Schoolcraft	Beaches along shorelines of the Great Lakes
Piping plover *(Chradrius melodus)*	Critical Habitat	Alger, Benzie, Charlevoix, Cheboygan, Chippewa, Emmet, Iosco, Leelanau, Luce, Mackinac, Mason, Muskegon, Presque Isle, Schoolcraft	Beaches along shorelines of the Great Lakes

SPECIES	STATUS	COUNTIES	HABITAT
Rufa Red knot *(Calidris canutus rufa)*	Threatened	**Only actions that occur along coastal areas during the Red Knot migratory window of MAY 1 - SEPTEMBER 30 for the following counties:** Alcona, Alger, Allegan, Alpena, Antrim, Arenac, Baraga, Bay, Benzie, Berrien, Charlevoix, Cheboygan, Chippewa, Delta, Emmet, Gogebic, Grand Traverse, Houghton, Huron, Iosco, Keweenaw, Leelanau, Luce, Mackinac, Macomb, Manistee, Marquette, Mason, Menominee, Monroe, Muskegon, Oceana, Ontonagon, Ottawa, Presque Isle, Sanilac, Schoolcraft, St. Clair, Tuscola, Van Buren, Wayne **Only actions that occur in large wetland complexes during the Red knot migratory window of MAY 1 - SEPTEMBER 30 for the following counties:** Midland, Saginaw, Shiawassee	Coastal areas and large wetland complexes
Whooping crane ** (*Grus americanus*)	Non-essential experimental population	Allegan, Barry, Berrien, Jackson, Kent, Lenawee, Macomb, Oceana, Ottawa	Open wetlands and lakeshores
REPTILES			
Copperbelly water snake *(Nerodia erythrogaster neglecta)*	Threatened	Branch, Calhoun, Cass, Eaton, Hillsdale, St. Joseph	Wooded and permanently wet areas such as oxbows, sloughs, brushy ditches and floodplain woods
Eastern massasauga (*Sistrurus catenatus*)	Threatened	Alcona, Allegan, Alpena, Antrim, Arenac, Barry, Berrien, Branch, Calhoun, Cass, Cheboygan, Clare, Clinton, Crawford, Eaton, Emmett, Genesee, Grand Traverse, Hillsdale, Huron, Ingham, Ionia, Iosco, Jackson, Kalamazoo, Kalkaska, Kent, Lake, Lapeer, Lenawee, Livingston, Mackinac, Macomb, Manistee, Mason, Missaukee, Montcalm, Montmorency, Muskegon, Newaygo, Oakland, Oscoda, Presque Isle, Saginaw, St. Joseph, Shiawassee, Van Buren, Washtenaw, Wayne	Graminoid dominated plant communities (fens, sedge meadows, peatlands, wet prairies) open woodlands and shrublands
INSECTS			
Hine's emerald dragonfly *(Somatochlora hineana)*	Endangered	Alcona, Alpena, Mackinac, Menominee, Presque Isle	Spring fed wetlands, wet meadows and marshes; calcareous streams & associated wetlands overlying dolomite bedrock
Hungerford's crawling water beetle *(Brychius hungerfordi)*	Endangered	Charlevoix, Cheboygan, Crawford, Emmet, Montmorency, Oscoda, Otsego, Presque Isle	Cool riffles of clean, slightly alkaline streams; known to occur in five streams in northern Michigan.
Karner blue butterfly *(Lycaeides melissa samuelis)*	Endangered	Allegan, Ionia, Kent, Lake, Mason, Mecosta, Monroe, Montcalm, Muskegon, Newaygo, Oceana	Pine barrens and oak savannas on sandy soils and containing wild lupines *(Lupinus perennis)*, the only known food plant of larvae.
Mitchell's satyr *(Neonympha mitchellii mitchellii)*	Endangered	Barry, Berrien, Branch, Cass, Jackson, Kalamazoo, St. Joseph, Van Buren, Washtenaw	Fens; wetlands characterized by calcareous soils which are fed by carbonate-rich water from seeps and springs

SPECIES	STATUS	COUNTIES	HABITAT
Poweshiek skipperling (*Oarisma poweshiek*)	Endangered Critical Habitat	Hillsdale, Jackson, Lenawee, Livingston, Oakland, and Washtenaw Maps of proposed critical habitat in Michigan at www.fws.gov/midwest/endangered/insects/posk/fCHmaps/poskchMI.pdf	Wet prairie and fens
MUSSELS			
Clubshell *(Pleurobema clava)*	Endangered	Hillsdale	Found in coarse sand and gravel areas of runs and riffles within streams and small rivers
Northern riffleshell *(Epioblasma torulosa rangiana)*	Endangered	Monroe, Sanilac, Wayne	Large streams and small rivers in firm sand of riffle areas; also occurs in Lake Erie
Rayed Bean (*Villosa fabalis*)	Endangered	Oakland, St. Clair	Belle, Black, Clinton and Pine Rivers
Snuffbox (*Epioblasma triquetra*)	Endangered	Gratiot, Ionia, Kent, Livingston, Oakland, St. Clair, Washtenaw	Small to medium-sized creeks in areas with a swift current and some larger rivers
PLANTS			
American hart's tongue fern *(Asplenium scolopendrium* var. *americanun = Phyllitis japonica* ssp. *a.)*	Threatened	Chippewa, Mackinac	Cool limestone sinkholes in mature hardwood forest
Dwarf lake iris *(Iris lacustris)*	Threatened	Alpena, Charlevoix, Cheboygan, Chippewa, Delta, Emmet, Mackinac, Menominee, Presque Isle, Schoolcraft	Partially shaded sandy-gravelly soils on lakeshores
Eastern prairie fringed orchid *(Plantathera leucophaea)*	Threatened	Bay, Cheboygan, Clinton, Eaton, Genesee, Gratiot, Huron, Livingston, Monroe, Saginaw, St. Clair, St. Joseph, Tuscola, Washtenaw, Wayne	Mesic to wet prairies and meadows
Houghton's goldenrod *(Solidago houghtonii)*	Threatened	Charlevoix, Cheboygan, Chippewa, Crawford, Emmet, Kalkaska, Mackinac, Presque Isle, Schoolcraft	Sandy flats along Great Lakes shores
Lakeside daisy *(Hymenoxy acaulis var. glabra)*	Threatened	Mackinac	Dry, rocky prairie grassland underlain by limestone
Michigan monkey-flower *(Mimulus michiganesis)*	Endangered	Benzie, Charlevoix, Cheboygan, Emmet, Leelanau, Mackinac	Soils saturated with cold flowing spring water; found along seepages, streams and lakeshores
Pitcher's thistle *(Cirsium pitcheri)*	Threatened	Alcona, Alger, Allegan, Alpena, Antrim, Arenac, Benzie, Berrien, Charlevoix, Cheboygan, Chippewa, Delta, Emmet, Grand Traverse, Huron, Iosco, Leelanau, Mackinac, Manistee, Mason, Muskegon, Oceana, Ottawa, Presque Isle, Schoolcraft, Van Buren	Stabilized dunes and blowout areas

SPECIES	STATUS	COUNTIES	HABITAT
Small whorled pogonia *(Isotria medeoloides*)	Threatened	Berrien	Dry woodland; upland sites in mixed forests (second or third growth stage)



Field Street III

Field Street and E. Grand Blvd.,
Detroit, MI

1,500 750 0 1,500
Feet

N

ASTI Environmental

Client: Field Street III LDHA LLC
Created by: RMH, October 25, 2021, ASTI Project 2-11284

Acceptable Separation Distance Map

Soil Map—Wayne County, Michigan
(Field Street)

Map Scale: 1:2,000 if printed on A landscape (11" x 8.5") sheet.

N

Meters
0 25 50 100 150

Feet
0 50 100 200 300

Map projection: Web Mercator Corner coordinates: WGS84 Edge tics: UTM Zone 17N WGS84

MAP LEGEND

Area of Interest (AOI)
- Area of Interest (AOI)

Soils
- Soil Map Unit Polygons
- Soil Map Unit Lines
- Soil Map Unit Points

Special Point Features
- Blowout
- Borrow Pit
- Clay Spot
- Closed Depression
- Gravel Pit
- Gravelly Spot
- Landfill
- Lava Flow
- Marsh or swamp
- Mine or Quarry
- Miscellaneous Water
- Perennial Water
- Rock Outcrop
- Saline Spot
- Sandy Spot
- Severely Eroded Spot
- Sinkhole
- Slide or Slip
- Sodic Spot
- Spoil Area
- Stony Spot
- Very Stony Spot
- Wet Spot
- Other
- Special Line Features

Water Features
- Streams and Canals

Transportation
- Rails
- Interstate Highways
- US Routes
- Major Roads
- Local Roads

Background
- Aerial Photography

MAP INFORMATION

The soil surveys that comprise your AOI were mapped at 1:12,000.

Warning: Soil Map may not be valid at this scale.

Enlargement of maps beyond the scale of mapping can cause misunderstanding of the detail of mapping and accuracy of soil line placement. The maps do not show the small areas of contrasting soils that could have been shown at a more detailed scale.

Please rely on the bar scale on each map sheet for map measurements.

Source of Map: Natural Resources Conservation Service
Web Soil Survey URL:
Coordinate System: Web Mercator (EPSG:3857)

Maps from the Web Soil Survey are based on the Web Mercator projection, which preserves direction and shape but distorts distance and area. A projection that preserves area, such as the Albers equal-area conic projection, should be used if more accurate calculations of distance or area are required.

This product is generated from the USDA-NRCS certified data as of the version date(s) listed below.

Soil Survey Area: Wayne County, Michigan
Survey Area Data: Version 7, Sep 7, 2021

Soil map units are labeled (as space allows) for map scales 1:50,000 or larger.

Date(s) aerial images were photographed: May 31, 2014—Jun 15, 2014

The orthophoto or other base map on which the soil lines were compiled and digitized probably differs from the background imagery displayed on these maps. As a result, some minor shifting of map unit boundaries may be evident.

Map Unit Legend

Map Unit Symbol	Map Unit Name	Acres in AOI	Percent of AOI
ShbuaB	Shebeon-Urban land complex, 0 to 4 percent slopes	5.9	76.7%
TedubB	Tedrow-Urban land complex, dense substratum, 0 to 4 percent slopes	1.8	23.3%
Totals for Area of Interest		**7.6**	**100.0%**

Housing and Revitalization Department

Coleman A. Young Municipal Center
2 Woodward Avenue. Suite 908
Detroit, Michigan 48226

Phone: 313.224.6380
Fax: 313.224.1629
www.detroitmi.gov

December 7, 2020

Ashleigh Czapek
ASTI Environmental
10448 Citation Dr.
Brighton, Michigan 48116

RE: Section 106 Review of the Detroit Housing Commission Project Based Voucher-Funded Field Street III Project Located on Field Street and East Grand Boulevard in the City of Detroit, Wayne County, Michigan

Dear Ashleigh Czapek,

In accordance with the National Historic Preservation Act (NHPA) of 1966, as amended, and the "Programmatic Agreement between the Michigan State Historic Preservation Office and the City of Detroit, Michigan…," dated November 9, 2016, as amended by a First Amendment to Programmatic Agreement dated May 4, 2020, the City of Detroit has reviewed the above-cited project and has determined it to be an undertaking as defined by 36 CFR 800.16(y). The project is being funded using a Detroit Housing Commission (DHC) Project Based Vouchers (PBV).

Based on the information submitted to this office on November 12, 2020 by ASTI Environmental, we have concurred with their determination that the East Grand Boulevard National Register-listed historic district is located within the Area of Potential Effects for this project. Hamilton Apartments (232 E. Grand Boulevard) is the only contributing resource to this historic district located within the APE.

Additionally, per Stipulation VI.C and VII of Programmatic Agreement (PA), the proposed undertaking did not qualify for review by the State Historic Preservation Office (SHPO) archaeologist since there are no proposed ground disturbing activities.

Since the project is located within a National Register-listed historic district, the Preservation Specialist is required to review specifications and photos of the proposed work. A scope of work was provided to the Preservation Specialist and the project has been given a **Conditional Approval** and will have **no adverse effect** (Federal Regulations 36 CFR Part 800.5(b)) on properties that are listed or eligible for listing in the National Register of Historic Places, as long at the following conditions are met:

Housing and Revitalization Department

Coleman A. Young Municipal Center
2 Woodward Avenue. Suite 908
Detroit, Michigan 48226

Phone: 313.224.6380
Fax: 313.224.1629
www.detroitmi.gov

- The work is conducted in accordance with the specifications provided to the Preservation Specialist by ASTI Environmental;
- The work will follow the Secretary of the Interior's Standards for Rehabilitation; and,
- If there are any changes to the proposed project, those changes must be submitted to the Preservation Specialist for review and approval prior to proceeding.

Please note that a Conditional Approval means that the Section 106 Review process will not be complete until the above mentioned conditions are met and the completed work is approved by the Preservation Specialist. Additionally, once the work is complete, "After" photos of all work items will need to be submitted to the Preservation Specialist so that the project can comply with the requirements of the Section 106 review. An *Approval of Completed Work* may be issued for the project once photos of the completed work are received and reviewed.

Please be advised that this Section 106 review is not a substitute for a review for the Local Historic District Commission or for projects applying for Federal Historic Preservation Tax Credits. These reviews are conducted independently of the Section 106 review process. If you have any questions you may Preservation Specialist by phone at (313) 224-1508 or email at rschumak@detroitmi.gov. Please reference the project name and the Section 106 identification number in all communications with this office.

Sincerely,

Ryan M. Schumaker
Lead Preservation Specialist
City of Detroit
Housing & Revitalization Department

Cc: File
Penny Dwoinen, HRD
Kim Siegel, HRD

OMB No. 2506-0177
(exp.4/30/2018)

U.S. DEPARTMENT OF HOUSING AND URBAN DEVELOPMENT
WASHINGTON, DC 20410-1000

This Worksheet was designed to be used by those "Partners" (including Public Housing Authorities, consultants, contractors, and nonprofits) who assist Responsible Entities and HUD in preparing environmental reviews, but legally cannot take full responsibilities for these reviews themselves. Responsible Entities and HUD should use the RE/HUD version of the Worksheet.

Noise (CEST Level Reviews) – PARTNER
https://www.hudexchange.info/programs/environmental-review/noise-abatement-and-control

1. **What activities does your project involve? Check all that apply:**

☐ New construction for residential use

NOTE: HUD assistance to new construction projects is generally prohibited if they are located in an Unacceptable zone, and HUD discourages assistance for new construction projects in Normally Unacceptable zones. See 24 CFR 51.101(a)(3) for further details.
→ *Continue to Question 4.*

☒ Rehabilitation of an existing residential property

NOTE: For modernization projects in all noise zones, HUD encourages mitigation to reduce levels to acceptable compliance standards. See 24 CFR 51 Subpart B for further details.
→ *Continue to Question 2.*

☐ None of the above

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below.*

2. **Do you have standardized noise attenuation measures that apply to all modernization and/or minor rehabilitation projects, such as the use of double glazed windows or extra insulation?**

☒ Yes

Indicate the type of measures that will apply (check all that apply):

☒ Improved building envelope components (better windows and doors, strengthened sheathing, insulation, sealed gaps, etc.)

☐ Redesigned building envelope (more durable or substantial materials, increased air gap, resilient channels, staggered wall studs, etc.)

☐ Other (explain below)

Click here to enter text.

→ *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below and provide any documentation.*

☐ No

→ *Continue to Question 3.*

3. **Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).**
   Describe findings of the Preliminary Screening:
   Click here to enter text.
   → *Continue to Question 6.*

4. **Complete the Preliminary Screening to identify potential noise generators in the vicinity (1000' from a major road, 3000' from a railroad, or 15 miles from an airport).**
   Indicate the findings of the Preliminary Screening below:
   ☐ There are no noise generators found within the threshold distances above.
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide a map showing the location of the project relative to any noise generators.*

   ☐ Noise generators were found within the threshold distances.
   → *Continue to Question 5.*

5. **Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:**
   ☐ Acceptable: (65 decibels or less; the ceiling may be shifted to 70 decibels in circumstances described in §24 CFR 51.105(a))
   Indicate noise level here: Click here to enter text.
   → *If the RE/HUD agrees with this recommendation, the review is in compliance with this section. Continue to the Worksheet Summary below. Provide noise analysis, including noise level and data used to complete the analysis.*

   ☐ Normally Unacceptable: (Above 65 decibels but not exceeding 75 decibels; the floor may be shifted to 70 decibels in circumstances described in 24 CFR 51.105(a))
   Indicate noise level here: Click here to enter text.

   Is the project in a largely undeveloped area[1]?
   ☐ No → ***The project requires completion of an Environmental Assessment (EA) pursuant to 51.104(b)(1)(i).***
   ☐ Yes →***The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i).***

   → *Work with the RE/HUD to elevate the level of review. Provide noise analysis, including noise level and data used to complete the analysis.*
   Continue to Question 6.

   ☐ Unacceptable: (Above 75 decibels)
   Indicate noise level here: Click here to enter text.

[1] A largely undeveloped area means the area within 2 miles of the project site is less than 50 percent developed with urban uses and does not have water and sewer capacity to serve the project.

The project requires completion of an Environmental Impact Statement (EIS) pursuant to 51.104(b)(1)(i). *Work with HUD or the RE to either complete an EIS or obtain a waiver signed by the appropriate authority.*
→ *Continue to Question 6.*

6. **HUD strongly encourages mitigation be used to eliminate adverse noise impacts. Work with the RE/HUD on the development of the mitigation measures that must be implemented to mitigate for the impact or effect, including the timeline for implementation.**

☐ Mitigation as follows will be implemented:

Click here to enter text.

→ *Provide drawings, specifications, and other materials as needed to describe the project's noise mitigation measures.*
Continue to the Worksheet Summary.

☐ No mitigation is necessary.

Explain why mitigation will not be made here:

Click here to enter text.

→ *Continue to the Worksheet Summary.*

Worksheet Summary

Provide a full description of your determination and a synopsis of the information that it was based on, such as:

- Map panel numbers and dates
- Names of all consulted parties and relevant consultation dates
- Names of plans or reports and relevant page numbers
- Any additional requirements specific to your program or region

Include all documentation supporting your findings in your submission to HUD.

Development is to undergo installation of double-paned windows and improvement of exterior doors from steel to fiberglass.

From: Tony Martin
To: David Amir
Subject: RE: Field Street III
Date: Thursday, February 3, 2022 5:10:41 PM
Attachments: image001.png

This is correct.

Tony Martin
MHT/Continental Construction
Project Manager

From: David Amir
Sent: Thursday, February 3, 2022 12:37 PM
To: Tony Martin
Subject: Field Street III

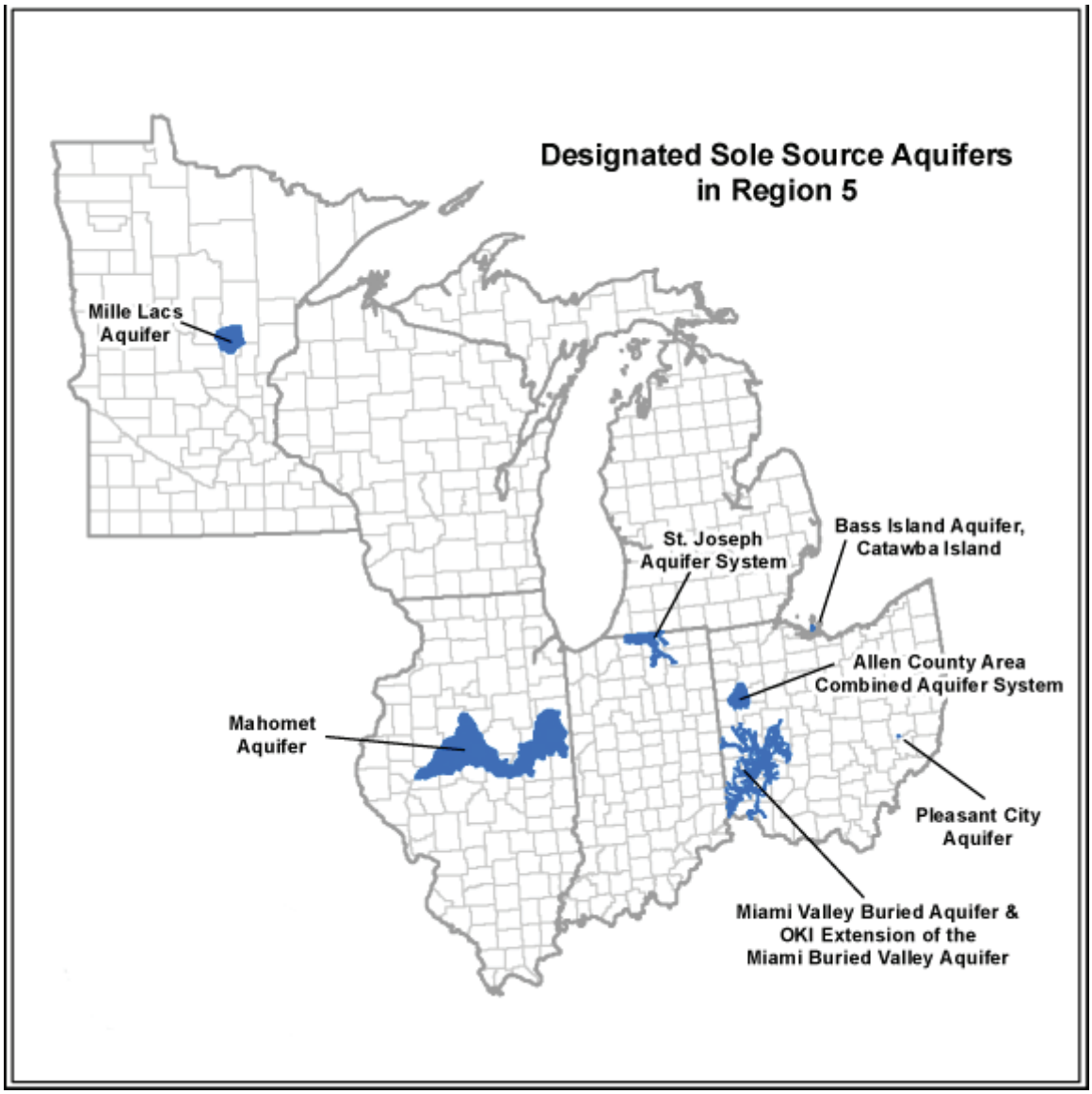
Hi Tony,
Per our discussion earlier, can you confirm that the upgrades to the structures, at a minimum include the following:

- Replacement of current windows with new double-paned windows; and
- Replacement of current steel doors with fiberglass doors

You indicated that both will upgrade the noise attenuation properties of the building materials with specifications soon to follow.

Is this correct?

David Amir
Environmental Professional
ASTI ENVIRONMENTAL
Click here to receive ASTI's technical e-updates.
10448 Citation Dr., Suite 100
Brighton, MI 48116
Cell: 810.599.9376
Ph: 810.225.2800
Fax: 810.225.3800
Web Site: www.asti-env.com
Email: damir@asti-env.com


Designated Sole Source Aquifers
in Region 5
Mille Lacs
Aquifer
St. Joseph
Aquifer System
Bass Island Aquifer,
Catawba Island
Allen County Area
Combined Aquifer System
Mahomet
Aquifer
Pleasant City
Aquifer
Miami Valley Buried Aquifer &
OKI Extension of the
Miami Buried Valley Aquifer

U.S. Fish and Wildlife Service
National Wetlands Inventory

Field St - E Grand Blvd

October 11, 2019

Wetlands

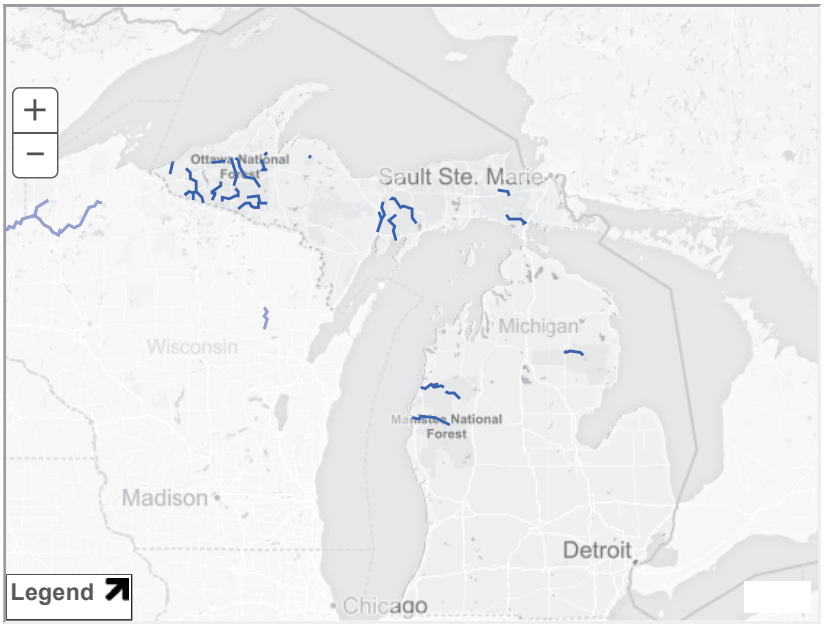
- Estuarine and Marine Deepwater
- Estuarine and Marine Wetland
- Freshwater Emergent Wetland
- Freshwater Forested/Shrub Wetland
- Freshwater Pond
- Lake
- Other
- Riverine

This map is for general reference only. The US Fish and Wildlife Service is not responsible for the accuracy or currentness of the base data shown on this map. All wetlands related data should be used in accordance with the layer metadata found on the Wetlands Mapper web site.

National Wetlands Inventory (NWI)
This page was produced by the NWI mapper

MICHIGAN

Michigan has approximately 51,438 miles of river, of which 656.4 miles are designated as wild & scenic—just a bit more than 1% of the state's river miles.



+ View larger map

Choose A State Go

Choose A River Go

Nourished by the fertile soils of the region, rivers of the Midwest explode with life, from great avian migrations to ancient fishes.

AuSable River
Bear Creek
Black River
Carp River
Indian River
Manistee River
Ontonagon River
Paint River
Pere Marquette River
Pine River
Presque Isle River
Sturgeon River (Hiawatha National Forest)
Sturgeon River (Ottawa National Forest)
Tahquamenon River (East Branch)
Whitefish River
Yellow Dog River

EJSCREEN Report (Version 2020)

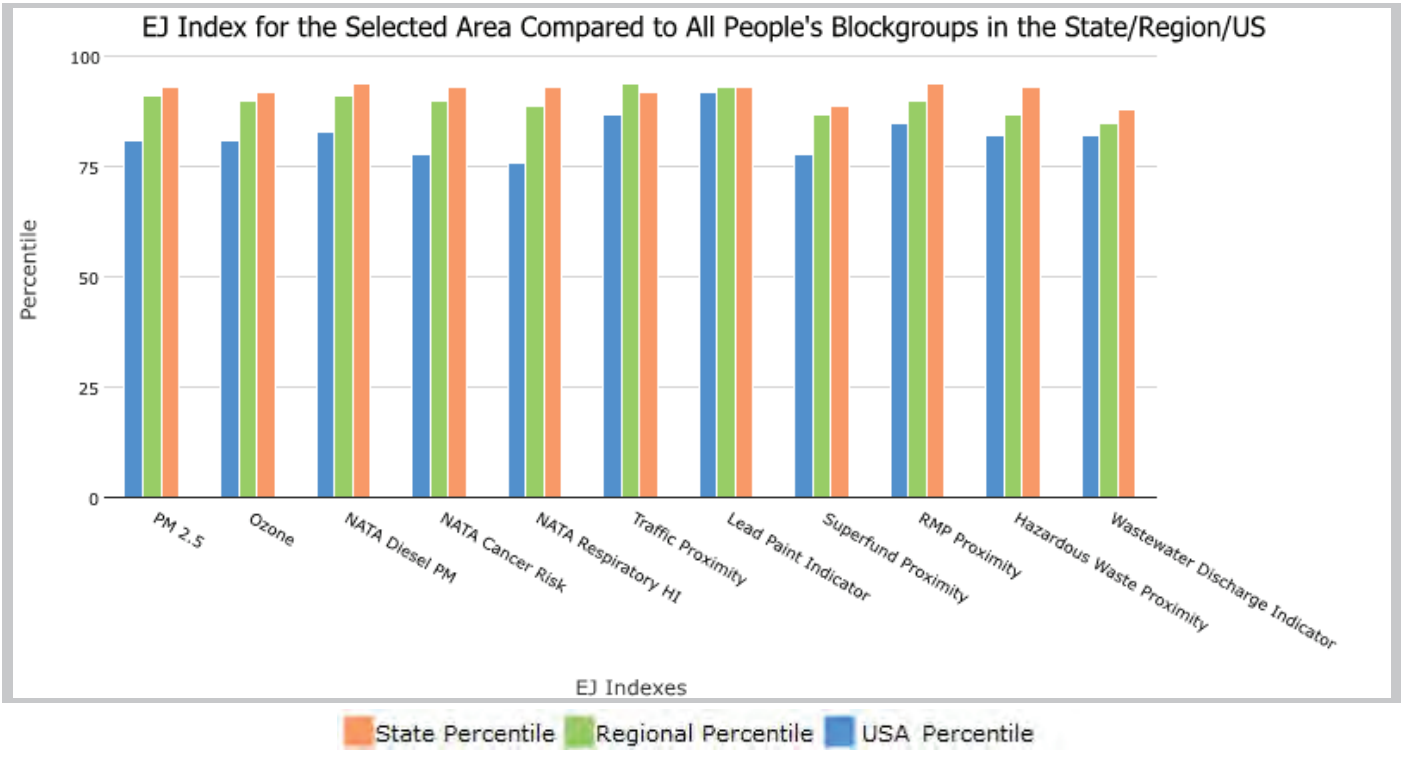
1 mile Ring around the Corridor, MICHIGAN, EPA Region 5

Approximate Population: 14,146

Input Area (sq. miles): 3.54

Field Street (The study area contains 1 blockgroup(s) with zero population.)

Selected Variables	State Percentile	EPA Region Percentile	USA Percentile
EJ Indexes			
EJ Index for PM2.5	93	91	81
EJ Index for Ozone	92	90	81
EJ Index for NATA* Diesel PM	94	91	83
EJ Index for NATA* Air Toxics Cancer Risk	93	90	78
EJ Index for NATA* Respiratory Hazard Index	93	89	76
EJ Index for Traffic Proximity and Volume	92	94	87
EJ Index for Lead Paint Indicator	93	93	92
EJ Index for Superfund Proximity	89	87	78
EJ Index for RMP Proximity	94	90	85
EJ Index for Hazardous Waste Proximity	93	87	82
EJ Index for Wastewater Discharge Indicator	88	85	82



This report shows the values for environmental and demographic indicators and EJSCREEN indexes. It shows environmental and demographic raw data (e.g., the estimated concentration of ozone in the air), and also shows what percentile each raw data value represents. These percentiles provide perspective on how the selected block group or buffer area compares to the entire state, EPA region, or nation. For example, if a given location is at the 95th percentile nationwide, this means that only 5 percent of the US population has a higher block group value than the average person in the location being analyzed. The years for which the data are available, and the methods used, vary across these indicators. Important caveats and uncertainties apply to this screening-level information, so it is essential to understand the limitations on appropriate interpretations and applications of these indicators. Please see EJSCREEN documentation for discussion of these issues before using reports.

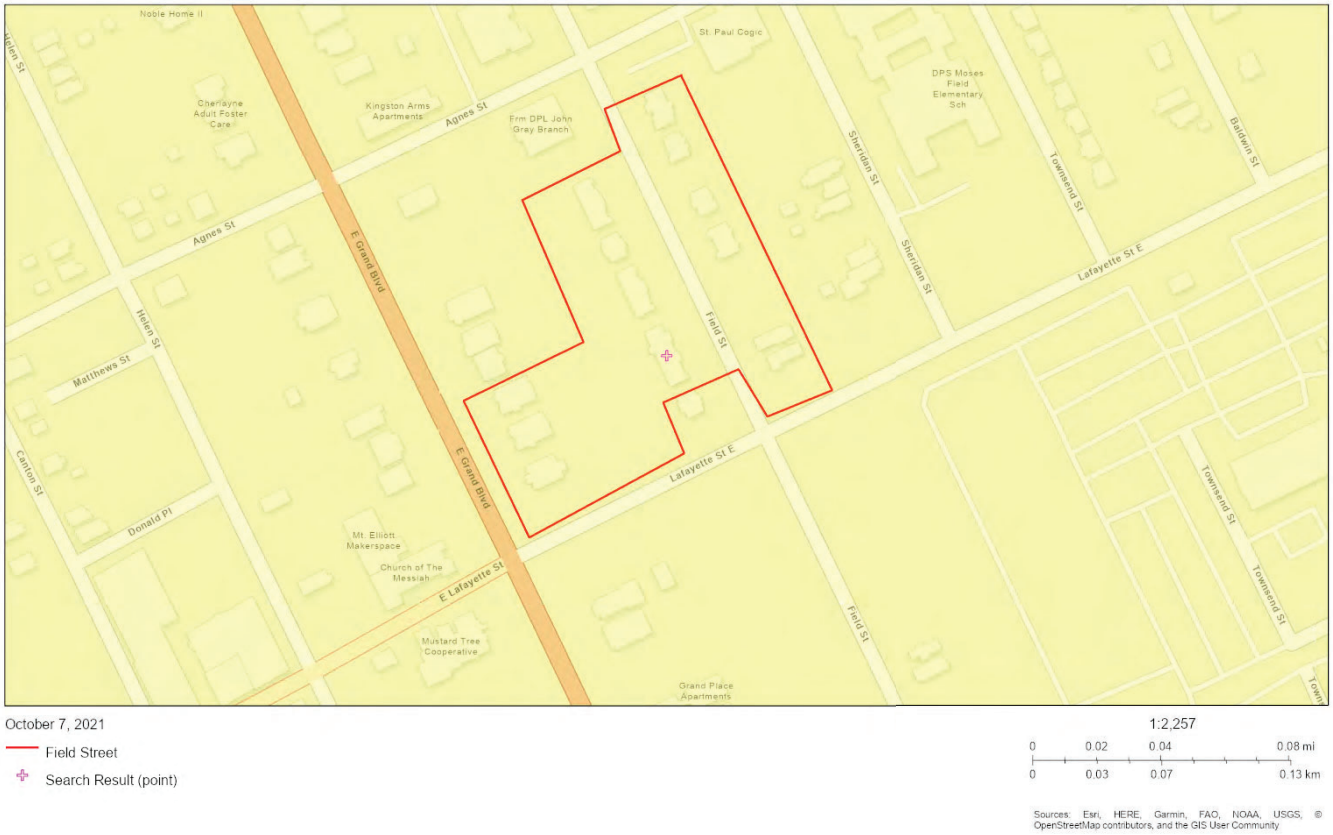
EJSCREEN Report (Version 2020)

1 mile Ring around the Corridor, MICHIGAN, EPA Region 5

Approximate Population: 14,146

Input Area (sq. miles): 3.54

Field Street (The study area contains 1 blockgroup(s) with zero population.)



Sites reporting to EPA	
Superfund NPL	0
Hazardous Waste Treatment, Storage, and Disposal Facilities (TSDF)	0

EJSCREEN Report (Version 2020)

1 mile Ring around the Corridor, MICHIGAN, EPA Region 5

Approximate Population: 14,146

Input Area (sq. miles): 3.54

Field Street (The study area contains 1 blockgroup(s) with zero population.)

Selected Variables	Value	State Avg.	%ile in State	EPA Region Avg.	%ile in EPA Region	USA Avg.	%ile in USA
Environmental Indicators							
Particulate Matter (PM 2.5 in µg/m^3)	9.43	8.11	91	8.4	88	8.55	79
Ozone (ppb)	44.5	43.1	76	43.8	55	42.9	67
NATA* Diesel PM (µg/m^3)	0.643	0.338	92	0.446	80-90th	0.478	70-80th
NATA* Cancer Risk (lifetime risk per million)	30	24	94	26	70-80th	32	<50th
NATA* Respiratory Hazard Index	0.36	0.29	85	0.34	60-70th	0.44	<50th
Traffic Proximity and Volume (daily traffic count/distance to road)	910	650	78	530	85	750	80
Lead Paint Indicator (% Pre-1960 Housing)	0.7	0.38	81	0.38	82	0.28	88
Superfund Proximity (site count/km distance)	0.059	0.15	47	0.13	49	0.13	48
RMP Proximity (facility count/km distance)	1.1	0.53	84	0.83	74	0.74	78
Hazardous Waste Proximity (facility count/km distance)	2.3	1.2	83	2.4	67	5	69
Wastewater Discharge Indicator (toxicity-weighted concentration/m distance)	0.00012	1.7	56	2.4	44	9.4	54
Demographic Indicators							
Demographic Index	65%	29%	90	28%	91	36%	86
People of Color Population	79%	25%	91	25%	91	39%	83
Low Income Population	51%	33%	80	30%	83	33%	80
Linguistically Isolated Population	1%	2%	65	2%	61	4%	46
Population With Less Than High School Education	18%	9%	86	10%	84	13%	75
Population Under 5 years of age	3%	6%	24	6%	22	6%	22
Population over 64 years of age	23%	16%	82	16%	83	15%	83

* The National-Scale Air Toxics Assessment (NATA) is EPA's ongoing, comprehensive evaluation of air toxics in the United States. EPA developed the NATA to prioritize air toxics, emission sources, and locations of interest for further study. It is important to remember that NATA provides broad estimates of health risks over geographic areas of the country, not definitive risks to specific individuals or locations. More information on the NATA analysis can be found at: https://www.epa.gov/national-air-toxics-assessment.

For additional information, see: www.epa.gov/environmentaljustice

2021 Interested Parties List:

All **developers, contractors, or consultants** involved in the application for the assistance or in the planning, development, or implementation of the project or activity and any other person who has a financial interest in the project or activity for which the assistance is sought that exceeds $50,000 or 10 percent of the assistance (whichever is lower) , (58.43) to the **local news media, to the appropriate tribal, local, State and Federal agencies**; to the **Regional Offices of the Environmental Protection Agency** having jurisdiction and to the **HUD Field Office**. The responsible entity may also publish the notice in a newspaper of general circulation in the affected community.

HUD Representative:

U.S. Department of Housing & Urban Development – Detroit Field Office
Mary Weidel, PE, CFM
477 Michigan Avenue
Detroit, Michigan 48226
Mary.t.weidel@hud.gov

HUD PIH Representative (for DHC Vouchers Only):

Public Indian Housing at HUD – Detroit Field Office
Michelle King, Engineer
477 Michigan Avenue
Detroit, Michigan 48226
Michelle.d.king@hud.gov

DHC Representative (for DHC Vouchers Only):

Detroit Housing Commission (DHC)
Joy Flood, Chief Operating Officer, Rental Assistance
3322 Orleans
Detroit, Michigan 4207
floodj@dhcmi.org

Historic:

Michigan Historic Preservation Network
Mark Rodman, Executive Director
313 César E. Chávez Avenue
Lansing, Michigan 48906
mrodman@mhpn.org

Preservation Detroit
Devan Anderson, President
PO Box 6624, Detroit, MI 48202-9998
danderson@perservationdetroit.org

Tribes:

Pokagon Band of Potawatomi Indians, Michigan and Indiana
John Warren, Chairperson

PO Box 180 Dowagiac, MI 49047
pokagonDNR@pokagonband-nsn.gov

Sault Ste. Marie Tribe of Chippewa Indians
Colleen Medicine
Cultural Repatriation Specialist
531 Ashmun Street
Sault Ste. Marie, MI 49783
aaronpayment@saulttribe.net

Ketegitigaaning Ojibwe Nation THPO / Lac Vieux Desert Band of Lake Superior Chippewa Indians
Daisy McGeshick, THPO
P.O. Box 249
Watersmeet, MI 49969
Daisy.mcgeshick@lvdtribal.com

Little River Band of Ottawa Indians
Jonnie J. Sam, Director
2608 Government Center Dr.
Manistee, MI 49660
jsam@lrboi.com

Local:

Wayne County Environmental Services Group
500 Griswold St
Detroit, Michigan 48226
esghelp@waynecounty.com

Michigan Economic Development Corporation (MEDC)
Genna Hines, Business Development Manager
300 N. Washington Square
Lansing, MI 48913
hinesg@michigan.org

Federal:

US EPA Region 5 Field Office
77 W. Jackson Blvd.
Chicago, IL 60604
whitehead.ladawn@epa.gov

MHPN	Michigan Historic Preservation Network Mark Rodman, Executive Director 313 César E. Chávez Avenue Lansing, Michigan 48906	mrodman@mhpn.org
Preservation Detroit	PO Box 6624, Detroit, MI 48202-9998	danderson@preservationdetroit.org

Pokagon Band of Potawatomi Indians, Michigan and Indiana	John Warren, Chairperson PO Box 180 Dowagiac, MI 49047	pokagonDNR@pokagonband-nsn.gov
Sault Ste. Marie Tribe of Chippewa Indians	Colleen Medicine Cultural Repatriation Specialist 531 Ashmun Street Sault Ste. Marie, MI 49783	aaronpayment@saulttribe.net
Ketegitigaaning Ojibwe Nation THPO / Lac Vieux Desert Band of Lake Superior Chippewa Indians	Daisy McGeshick, THPO P.O. Box 249 Watersmeet, MI 49969	Daisy.mcgeshick@lvdtribal.com
Little River Band of Ottawa Indians	Jonnie J. Sam, Director 2608 Government Center Dr. Manistee, MI 49660	jsam@lrboi.com
Wayne County Environmental Services Group	500 Griswold St Detroit, Michigan 48226	ESGhelp@waynecounty.com
Michigan Economic Development Corporation (MEDC)	Genna Hines 300 N. Washington Square Lansing, MI 48913	hinesg@michigan.org
US EPA Region 5 Field Office	77 W. Jackson Blvd. Chicago, IL 60604	whitehead.ladawn@epa.gov