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 Ent Detroit Housing Commission **ity):**

Point of Contact: Joy Flood

Consultant (if applicabl e):

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 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: <u>Attachment 0 - Property Map.pdf</u>

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, \$1.00 **Assisted or Insured Amount:**

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

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 ORE	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] 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	 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). 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 ORD	DERS, AND REGULATI	ONS 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 Coastal Zone Management Act Coastal Zone Management Act, sections 307(c) & (d)	☐ 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).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)] 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
Explosive and Flammable Hazards Above-Ground Tanks)[24 CFR Part 51 Subpart C	☐ Yes ☑ No	(Attachment G). 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

	1	
1966, particularly sections 106 and		programmatic agreement between the
110; 36 CFR Part 800		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	□ Yes ☑ No	There are no applicable busy roads or
Noise Control Act of 1972, as		highways within 1,000 feet of the site.
amended by the Quiet Communities		There are no active railroads within
amended by the Quiet Communities	1	THEFE AFE HU ACTIVE FAILUAUS 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	🗆 Yes 🗹 No	There are no sole source aquifers in the
Safe Drinking Water Act of 1974, as amended, particularly section 1424(e); 40 CFR Part 149		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 Wild and Scenic Rivers Act Wild and Scenic Rivers Act of 1968, particularly section 7(b) and (c)	☐ 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). 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 HC		
	ENVIRONMENTAL J	USTICE
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	Impact	Impact Evaluation	Mitigation		
Assessment Factor	Code				
LAND DEVELOPMENT					
Conformance with Plans /	2	The project is in line with the existing			
Compatible Land Use and		zoning and compatible with the			
Zoning / Scale and Urban		surrounding neighborhood which is a			
Design		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/	2	The site involves the renovation of an			
Erosion / Drainage and		already existing homes; no new			
Storm Water Runoff		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			
Lipzarda and Niuicanasa	2	the project area.			
Hazards and Nuisances including Site Safety and	2	The project is not adversely affected by on-site or off-site hazards or nuisances.			
Site-Generated Noise		There will be adequate on-site parking			
		for residents.			
		ior residents.			

Environmental	Impact	Impact Evaluation	Mitigation			
Assessment Factor	Code		_			
LAND DEVELOPMENT						
Energy	2	The building is already served by				
Consumption/Energy		electrical and gas utilities provided by				
Efficiency		DTE. There is adequate capacity to				
,		serve the new tenants.				
		OCIOECONOMIC				
Employment and Income	2	There will be a temporary increase in				
Patterns		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	1	The project will not change the				
Changes / Displacement		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.				
C	OMMUNI	TY FACILITIES AND SERVICES				
Educational and Cultural	2	Marcus Garvey High School is near the				
Facilities (Access and		project. Cultural facilities are generally				
Capacity)		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	2	The project is located within the				
(Access and Proximity)		"Islandview / Village" areas of Detroit,				
		which has many commercial				
		businesses.				
Health Care / Social	2	The site is located near Ascension at St.				
Services (Access and		John's River Center. Larger care and				
Capacity)		social services facilities can be reached				
		by public transportation.				
Solid Waste Disposal and	2	Solid waste disposal will be taken care				
Recycling (Feasibility and		of via the City of Detroit's Solid Waste				
Capacity)		contractor.				
Waste Water and	2	The site is connected to the municipal				
Sanitary Sewers		sanitary sewer service. Service already				
(Feasibility and Capacity)		exists for the site. The Detroit Water				
		and Sewage Department provides				
		service to the project area.				

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

required. See the Mitigation	determine the
Plan and ResAP - Evaluation	appropriate
Plan for further information.	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		24 CFR Part 51 Subpart D
prevent incompatible development		
around civil airports and military airfields.		

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

Coastal Barrier Resources

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

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

Flood Insurance

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

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

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 FEMAdesignated 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

Air Quality

General requirements	Legislation	Regulation
The Clean Air Act is administered	Clean Air Act (42 USC 7401 et	40 CFR Parts 6, 51
by the U.S. Environmental	seq.) as amended particularly	and 93
Protection Agency (EPA), which	Section 176(c) and (d) (42 USC	
sets national standards on	7506(c) and (d))	
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.		

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

Coastal Zone Management Act

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

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

Contamination and Toxic Substances

General requirements	Legislation	Regulations
It is HUD policy that all properties that are being		24 CFR 58.5(i)(2)
proposed for use in HUD programs be free of		24 CFR 50.3(i)
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.		

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)

<u>Screen Summary</u> 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)	The Endangered	50 CFR Part
mandates that federal agencies ensure that	Species Act of 1973	402
actions that they authorize, fund, or carry out	(16 U.S.C. 1531 et	
shall not jeopardize the continued existence of	seq.); particularly	
federally listed plants and animals or result in	section 7 (16 USC	
the adverse modification or destruction of	1536).	
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").		

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

Explosive and Flammable Hazards

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

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 aboveground 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 1mile of the property (Attachment H).

Supporting documentation

Attachment H - Explosives ASD Map.pdf

Are formal compliance steps or mitigation required?

Yes

Farmlands Protection

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

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

Floodplain Management

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

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

Historic Preservation

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

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

 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	National Register	SHPO Concurrence	Sensitive
/ District	Status		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. (<u>36 CFR 800.5</u>)] Consider direct and indirect effects as applicable as per guidance on <u>direct and indirect effects</u>.

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

Noise Abatement and Control

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

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

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

02/11/2022 13:17

Wetlands Protection

General requirements	Legislation	Regulation
Executive Order 11990 discourages direct or	Executive Order	24 CFR 55.20 can be
indirect support of new construction impacting	11990	used for general
wetlands wherever there is a practicable		guidance regarding
alternative. The Fish and Wildlife Service's		the 8 Step Process.
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.		

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

Detroit, MI

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	Executive Order 12898	
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.		

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).

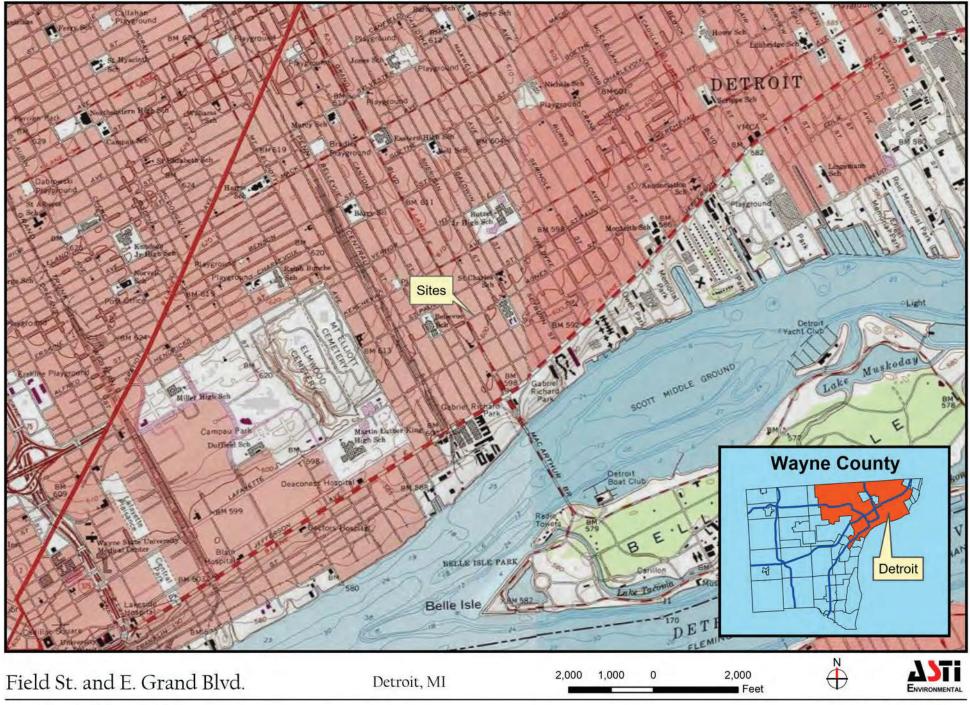
Supporting documentation

Attachment O - EJ Screen.pdf

Are formal compliance steps or mitigation required?

Yes

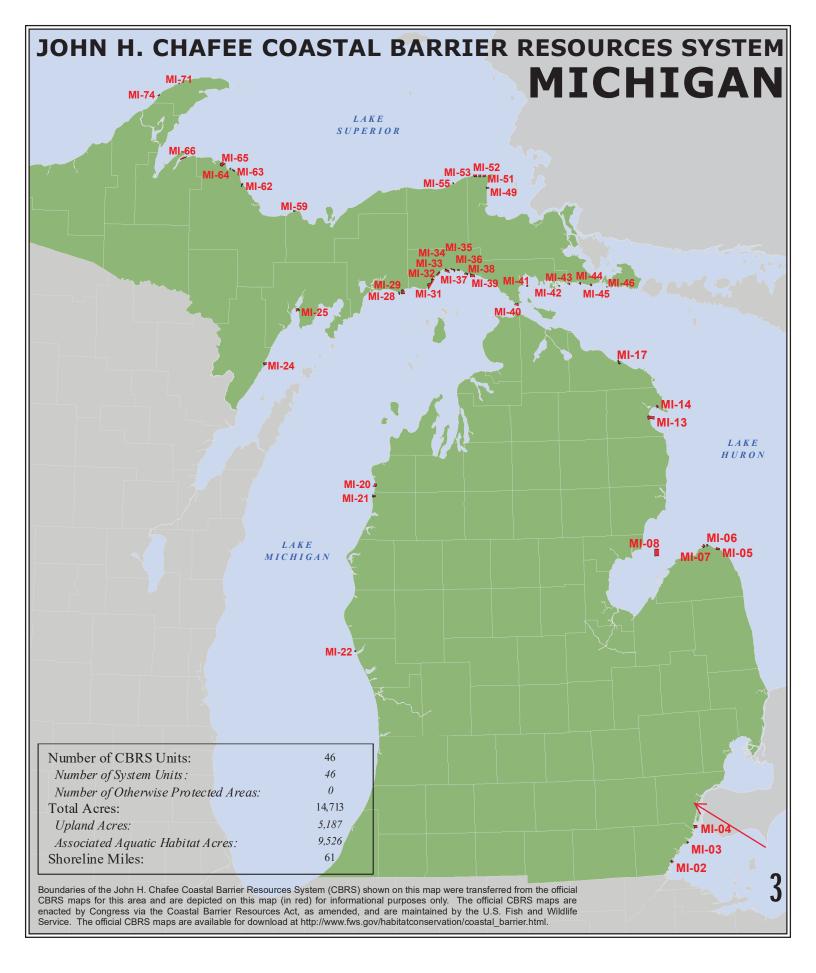
✓ No



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



Airport Location Map



National Flood Hazard Layer FIRMette



Legend

SEE FIS REPORT FOR DETAILED LEGEND AND INDEX MAP FOR FIRM PANEL LAYOUT Without Base Flood Elevation (BFE) With BFE or Depth Zone AE, AO, AH, VE, AR SPECIAL FLOOD HAZARD AREAS **Regulatory Floodway** 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 OTHER AREAS OF FLOOD HAZARD Area with Flood Risk due to Levee Zone D NO SCREEN Area of Minimal Flood Hazard Zone X Effective LOMRs OTHER AREAS Area of Undetermined Flood Hazard Zone D GENERAL - -- - Channel, Culvert, or Storm Sewer STRUCTURES IIIIII Levee, Dike, or Floodwall CITY OF DETROI AREA OF MINIMAL FLOOD HAZARD 17.5 Water Surface Elevation **Coastal Transect** Base Flood Elevation Line (BFE) ~~ 513 ~~~~ Limit of Study T R SNP Jurisdiction Boundary **Coastal Transect Baseline** --- ----OTHER **Profile Baseline** 26163C0285E 2616300301 FEATURES Hydrographic Feature eff. 2/2/2012 eff. 2/2/201 Digital Data Available No Digital Data Available MAP PANELS Unmapped 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.

USGS The National Map: Orthoimagery. Data refreshed April, 2019.

42°21'17.81"N

- 250

500

1,000

1,500

Feet 2,000

1:6,000

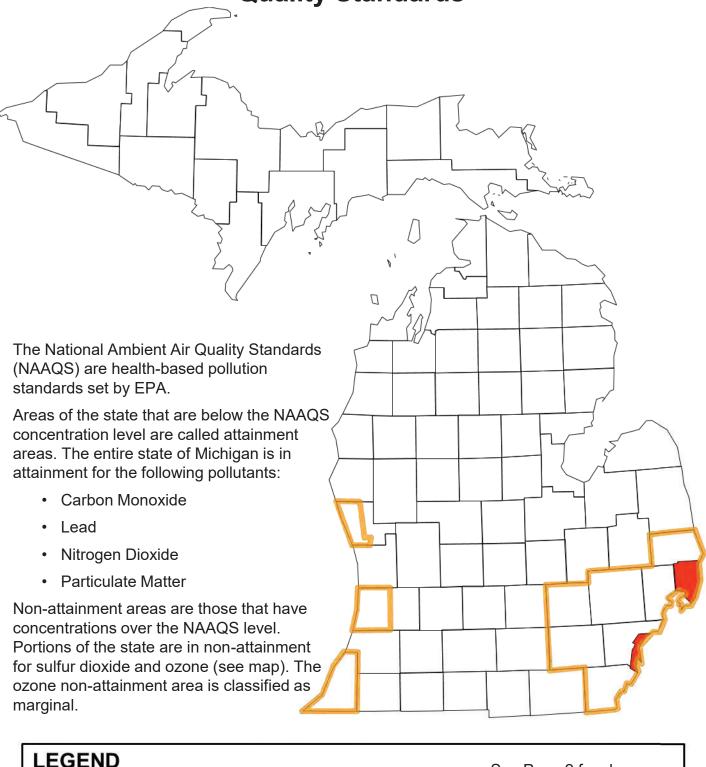
42°20'51.23"N

20.2 Cross Sections with 1% Annual Chance The pin displayed on the map is an approximate

point selected by the user and does not represent

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



Ozone

Sulfur Dioxide

Nonattainment Area



Nonattainment Area

See Page 2 for close-up

maps of partial county

nonattainment areas

St. Clair County Area Wayne County Area Dearborn Detroit Port Huron Heights Dearborn Kimball Windso Wales Center Center Sarni Inkster Melvindale India Reserve X 20 ECRO Allen Park Memphi Columbus 94 Lincon Park Ö Taylor St Clai Southgate Richmond Riverview Casco New Haven Trenton Marine City 3 Grosse Ile New Baltimore Amherstburg Flat Rock Anchor Bay orce Moona South Rockwood Dickinson Base Island Harsens nens Wallace Island MONTAGUE WHITE **Ozone Nonattainment** BLUE LAKE HOLTON (1) Areas CITY OF 100 FRUITLAND DALTON Allegan County Area CEDAR CREEK ç HOLLAND 2 in LAKETON OVERISEL LAKETOWN MUSKEGON FILLMORE NORTH MUSKEGON EGELSTON MOORLAND CASNOVIA CITY OF MUSKEGON CITY OF ROOSEVELT PARK VILLAGE OF SAUGATUCK VILLAGE OF DOUGLAS MANLIUS HEATH SULLIVAN SAUGATUCK RAVENNA NORTON SHORES FRUITPORT FENNVILLE WALLEY WATSON MARTIN CITY OF GANGES CLYDE Muskegon County Area OTSEGO LEE CHE SHIRE TROWBRIDGE GITY OF GUNPLAIN CASCO CITY OF 1 F

Sulfur Dioxide Nonattainment Areas

Updated July 23, 2019

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

Close-Up Maps of Partial County Nonattainment Areas

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**.

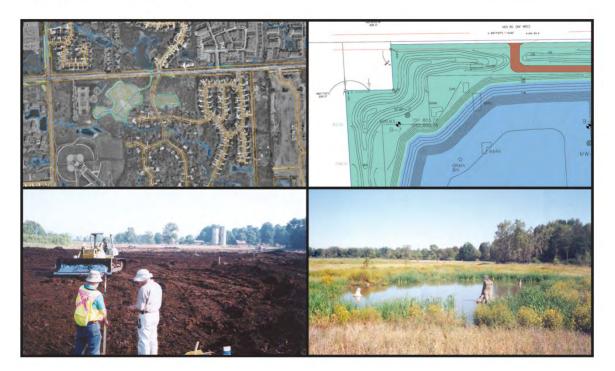


Asbestos-Containing Materials Inspection Field Street and East Grand Boulevard Properties Detroit, Michigan

Field Street III LDHA, LLC

September 24, 2020

ASTI ENVIRONMENTAL





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 (Alexandre Asbestos Inspector (Alexandre Alexandre Ale

Report Reviewed by:

David A. Amir, EP Director-Site Redevelopment Services



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4.0	Asbestos-Containing Materials Inspection	4
	 4.1 Previous Asbestos-Containing Materials Inspections	
5.0	Conclusions and Recommendations	8

Figures

Site Location Map Site Features Map 1 Site Features Map 2

Appendices

- A Resumes and Accreditations
- B Results of Asbestos Sample Analysis and Chain of Custody
- C Photos

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.

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

Presumed Asbestos-Containing Materials Summary

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 <u>Previous Asbestos-Containing Materials Inspections</u>

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.

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

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

<u>Thermal System Insulation (TSI)</u>: 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.

<u>Miscellaneous Materials (MM):</u> 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.

<u>Friable:</u> 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.



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

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

4.3 <u>Sample Collection</u>

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.

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

Presumed Asbestos-Containing Materials Summary



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.

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

Presumed Asbestos-Containing Materials Summary

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.

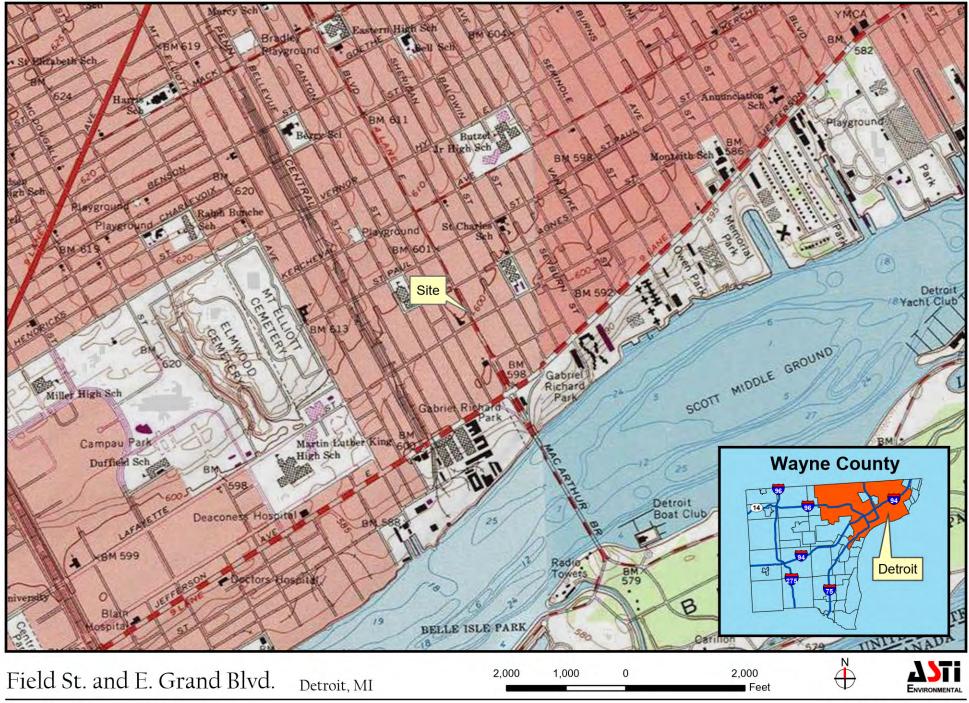
According to classification guidelines set forth in NESHAP, the fire door and frame sets and bathtubs are assumed to contain asbestos and are classified as Category II non-friable ACMs. Until testing of these materials is completed, they should be treated as Category II non-friable ACMs.



Figures

Site Location Map Site Features Map 1 Site Features Map 2





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



Detroit, MI

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

Site Features Map 1



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

Appendix A

Resumes and Accreditations







JELAINE D. TINSLEY Environmental Professional

PROFILE <u>Certifications/Licenses</u> 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-Indiana (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.

<u>Professional Memberships and Service</u> 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 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. Tinslev 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.

<u>Asbestos Inspections, City of Detroit Neighborhood</u> 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

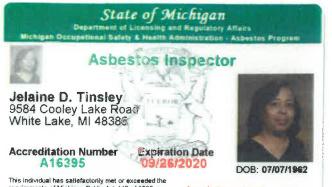
Commercial Development Royal Oak, Michigan

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@astienv.com. More information about ASTI is available on the web at www.asti-env.com.





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 Timpley

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

16395-142489

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

MIOSHA-CSH-269 (03/18) Authority: Michigan Public Act 440 of 1988, as amended If found please return to: MIOSHA - Asbestos Program 530 West Allegan Street P.O. Box 30671 Lansing, MI 48933

81672

This individual has satiefactorily 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 142489 valid if altered





JOHN F. SCHUITEMA Environmental Field Technician

PROFILE

<u>Certifications</u> 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

Department of Labor and Economic Opportunity Michigan Occupational Safety & Health Administration - Asbestos Program

Asbestos Inspector

LA THINK

John F. Schuitema 6790 Hinchey Road Pinckney, MI 48169

Accreditation Number

Expiration Date 02/27/2021

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

Accreditation card is not valid if attered

145227

DOB: 06/17/1981

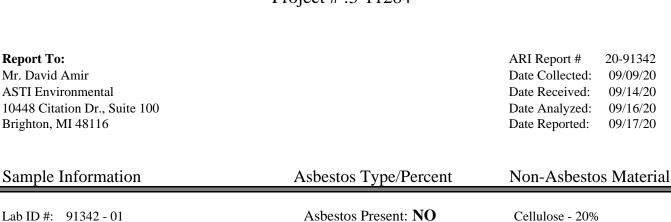
Appendix B

Results of Asbestos Sample Analysis and Chain of Custody



Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284



Cust. #: 1A Material: White Drywall Location: Unit B-1 Closet Appearance: white, fibrous, nonhomogenous Layer: of 2 1

91342 - 01a Lab ID #: Cust. #: 1A Material: Joint Compound Location: Unit B-1 Closet Appearance: white, nonfibrous, homogenous Layer: 2 of 2

Lab ID #: 91342 - 02

1 of

1**B**

White Drywall Location: Unit 101 Living Room

Appearance: white, fibrous, nonhomogenous

2

Cust. #:

Material:

Layer:

No Asbestos Observed

Other - 80%

No Asbestos Observed

Asbestos Present: NO

Asbestos Present: NO

No Asbestos Observed

Cellulose - 1% Other - 99%

Cellulose - 20%

Other - 80%

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

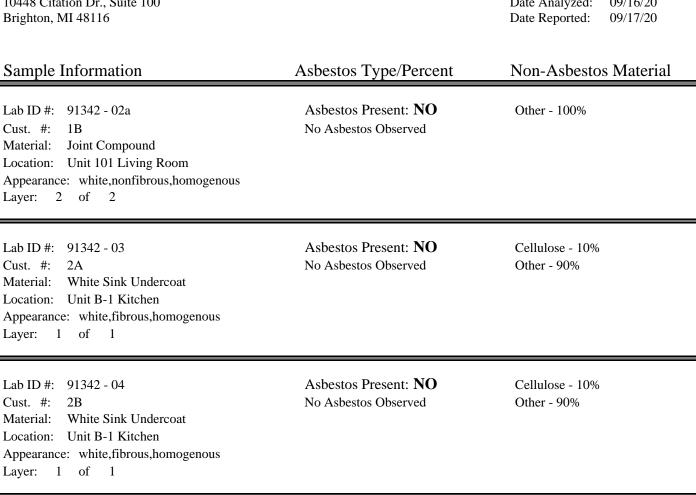
Robert T. Letarte Jr., Laboratory Director

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.



Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

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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

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284

Report To: ARI Report # 20-91342 Date Collected: Mr. David Amir 09/09/20 ASTI Environmental Date Received: 09/14/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 Date Reported: 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91342 - 05 Asbestos Present: NO Cellulose - 1% Cust. #: No Asbestos Observed Other - 99% 3A Material: 12"x12" FT Brown Basket Weave Location: Unit B-1 Living Room Appearance: brown,nonfibrous,homogenous Layer: of 4 1 Asbestos Present: NO 91342 - 05a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 3A Material: Glue Location: Unit B-1 Living Room

Layer: 2 of 4 Lab ID #: 91342 - 05b Cust. #: 3A Material: Beige Floor Tile Location: Unit B-1 Living Room

Appearance: beige, nonfibrous, homogenous

4

Layer:

3 of

Appearance: clear, nonfibrous, homogenous

Asbestos Present: NO No Asbestos Observed

Other - 100%

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

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.

Robert T. Letarte Jr., Laboratory Director

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # ·3-11284

	110jeet # .5-11204	
Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #20-91342Date Collected:09/09/20Date Received:09/14/20Date Analyzed:09/16/20Date Reported:09/17/20
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 05c Cust. #: 3A	Asbestos Present: NO No Asbestos Observed	Cellulose - 1% Other - 99%

Appearance: yellow,nonfibrous,nonhomogenous of 4 4 Asbestos Present: NO 91342 - 06 Other - 100% No Asbestos Observed 3B 12"x12" FT Brown Basket Weave Layer: 1 of 4 Lab ID #: 91342 - 06a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 3B Material: Glue Location: Unit B-1 Kitchen Appearance: clear,nonfibrous,homogenous

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

Robert T. Letarte Jr., Laboratory Director

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Material: Glue Location: Unit B-1 Living Room Layer:

Layer:

2 of 4

Lab ID #: Cust. #: Material: Location: Unit B-1 Kitchen Appearance: brown, nonfibrous, homogenous

Project : 232 E. Grand Blvd Project # :3-11284

Certificate of Laboratory Analysis	
Test Method, Polarized Light Microscopy (PLM)	1

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

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.

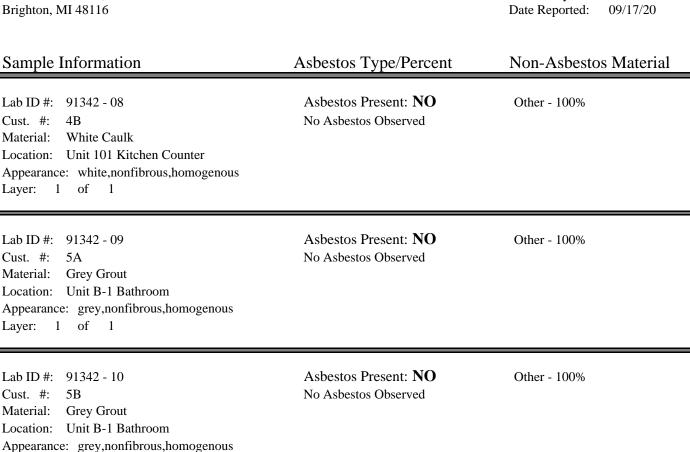


Report To: Mr. David Amir **ASTI Environmental** 10448 Citation Dr., Suite 100 Brighton, MI 48116

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

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284



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

Layer:

1 of 1

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.



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

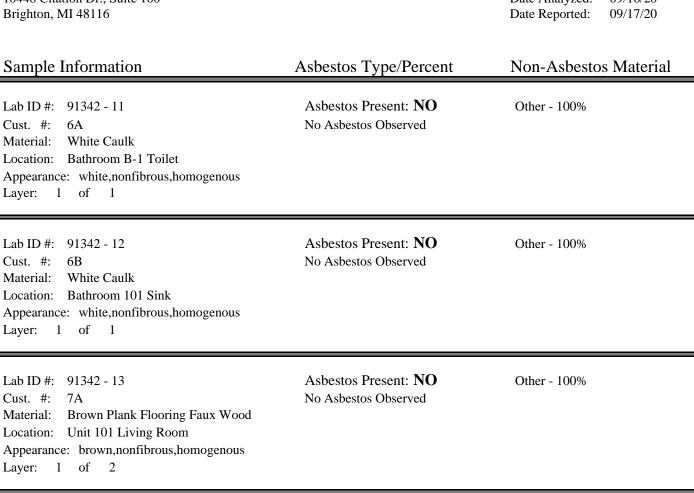
ARI Report # 20-91342 Date Collected: 09/09/20 Date Received: 09/14/20 Date Analyzed: 09/16/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

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 09/16/20

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 09/17/20

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ARI Report #20-91342Date Collected:09/09/20Date Received:09/14/20Date Analyzed:09/16/20Date 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%

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.



NVLAP Lab Code 102118-0

Report To:

Mr. David Amir

ASTI Environmental

10448 Citation Dr., Suite 100

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284

Brighton, MI 48116 Date Reported: 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91342 - 15 Asbestos Present: NO Cellulose - 1% Cust. #: No Asbestos Observed Other - 99% 8A Material: 12"x12" FT Brown w/ Diamond Center Location: Unit 201 Kitchen Appearance: beige, nonfibrous, homogenous Layer: of 4 1 Asbestos Present: NO 91342 - 15a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 8A Material: Glue Location: Unit 201 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 4 Lab ID #: 91342 - 15b Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 8A Material: Beige Floor Tile Location: Unit 201 Kitchen Appearance: beige, nonfibrous, homogenous Layer: 3 of 4

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.



20-91342

09/09/20

09/14/20

09/16/20

ARI Report #

Date Collected:

Date Received:

Date Analyzed:

Page 9 of 17

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284

Date Analyzed: 09/16/20 Date Reported: 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91342 - 15c Asbestos Present: NO Cellulose - 1% Cust. #: No Asbestos Observed Other - 99% 8A Material: Mastic Location: Unit 201 Kitchen Appearance: black,nonfibrous,homogenous Layer: of 4 4 Asbestos Present: NO 91342 - 16 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 8B Material: 12"x12" FT Brown w/ Diamond Center Location: Unit 201 Kitchen Appearance: beige, nonfibrous, homogenous Layer: 1 of 4 Lab ID #: 91342 - 16a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 8BMaterial: Glue Location: Unit 201 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 4

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

Robert T. Letarte Jr., Laboratory Director

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20-91342

09/09/20

09/14/20

Report To:

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

ARI Report # Date Collected: Date Received:

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284

Date Received: Date Analyzed: 09/16/20 Date Reported: 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Other - 100% Lab ID #: 91342 - 16b Asbestos Present: NO Cust. #: No Asbestos Observed **8**B Material: Beige Floor Tile Location: Unit 201 Kitchen Appearance: beige, nonfibrous, homogenous Layer: of 4 3 Asbestos Present: NO 91342 - 16c Cellulose - 1% Lab ID #: Cust. #: No Asbestos Observed Other - 99% 8B Material: Mastic Location: Unit 201 Kitchen Appearance: black,nonfibrous,homogenous Layer: 4 of 4 Lab ID #: 91342 - 17 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9A 12"x12" FT Cream w/ Blue/Tan/Reddish Material: Location: Bldg 232 Entry 1st Fl Appearance: beige, nonfibrous, homogenous Layer: 1 of 2

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.



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

ARI Report # 20-91342 Date Collected: 09/09/20 09/14/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

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.

Material: Glue

12"x12" FT Cream w/ Blue/Tan/Reddish

Lab ID #: 91342 - 18a Cust. #: 9B Location: Bldg 232 Entry 1st Fl

Appearance: yellow,nonfibrous,homogenous

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

2

Appearance: beige, nonfibrous, homogenous

Asbestos Present: NO No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Robert T. Letarte Jr., Laboratory Director

Other - 100%

91342 - 17a Asbestos Present: **NO** 9A No Asbestos Observed Glue Location: Bldg 232 Entry 1st Fl Appearance: yellow,nonfibrous,homogenous 2 of 2

91342 - 18

Location: Bldg 232 Entry 1st Fl

of 2

2 of

9B

Cust. #:

Material:

Layer:

Lab ID #: Cust. #:

Material:

Layer: 1

Layer:

Report To:		ARI Report # 20-91342
Mr. David Amir		Date Collected: 09/09/20
ASTI Environmental		Date Received: 09/14/20
10448 Citation Dr., Suite 100		Date Analyzed: 09/16/20
Brighton, MI 48116		Date Reported: 09/17/20
Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Lab ID #: 91342 - 17a	Asbestos Present: NO	Other - 100%

Certificate of Laboratory Analysis

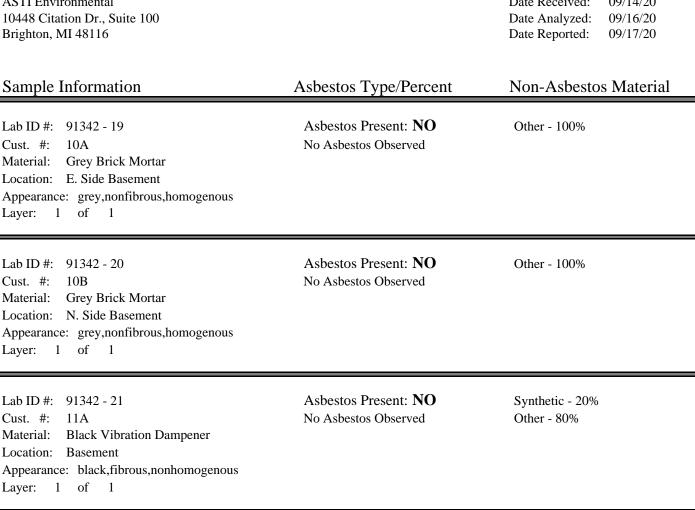
Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284



Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91342 Date Collected: 09/09/20 Date Received: 09/14/20

Test Method, Polarized Light Microscopy (PLM)

Project : 232 E. Grand Blvd Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/09/20Date Received:09/14/20Date Analyzed:09/16/20Date 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%

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

Report To:

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.



20-91342

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 #20-91342Date Collected:09/09/20Date Received:09/14/20Date Analyzed:09/16/20Date 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%

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 : 232 E. Grand Blvd Project # :3-11284

ASTI Environmental Date Received: 09/14/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Date Reported: Brighton, MI 48116 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91342 - 28 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 14A Material: White Caulk Location: Dryer Vent Exterior East Appearance: white, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 91342 - 29 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 14B Material: White Caulk Location: Dryer Vent Exterior East Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91342 - 30 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 15A Material: Caulk Brown Location: Window Caulk Exterior North Appearance: brown,nonfibrous,homogenous Layer: 1 of 1

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.



Report To: Mr. David Amir ARI Report # 20-91342 Date Collected: 09/09/20

Test Method, Polarized Light Microscopy (PLM)

Project · 232 F Grand Blvd

Project # :3-		
Report To:	ARI Report #	20-91342
Mr. David Amir	Date Collected:	09/09/20
ASTI Environmental	Date Received:	09/14/20
10448 Citation Dr., Suite 100	Date Analyzed:	09/16/20
Brighton, MI 48116	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:			

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

Robert T. Letarte Jr., Laboratory Director

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	Revision R4 Date: May2017	64	50	40	30	28	6 I	Lab ID Customer ID #	er Name: A: 10448 C:: Zip: <u>Bright</u> 10.225, 280 nd Time: (circle
APEX RESEARCH	Received By	A white Caulk / Bathroom B-1 toilet b & / Bathroom 101 Sink	Gray Grant / unit B-1 Bathroom	white caulk / counter k	12"412" Floor J	3 white sink under coat / unit B-1 Kitclen	+	Material/Location	APEX Research, Inc. , MI 48189. Phone: (734) 449 - 9990, Fax (734) Date of Survey: 9-990, Fax (734) Date of Survey: 9-990, Fax (734) Date of Survey: 9-990, Fax (734) Project: 2.3.2. E. GP Project: 3.11.2. GP Contact Person: <u>J:11.7</u> Email: <u>J:1.0.5.1eg @ astro-100</u> Sulk X Wipe NIOSH NIOSH
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APEX RESE,	Kr(+VFD	Muster Gray rough cast Basement Extensor 1		Black vibration / Basement	V/ North side Busement	sray Brick mortar / East side Basement		2°UN CLANTE LE MARS	XIC TICK TIE BROWN with Diamond center unit	12"Sis" Clove Lib Room Closet	ing tag		Material/Location	APEX Research, Inc. , MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 Date of Survey: <u>990, Fax (734) 449</u> Date of Survey: <u>990, Fax (734) 449</u> Date of Survey: <u>990, Fax (734) 449</u> Project: <u>2.32</u> Grand Project: <u>2.32</u> Grand Project # <u>3.112.84</u> Contact Person: <u><u>7.11 Tins</u> Email: <u><u>7+ins</u>ley <u>@ asti-</u> <i>Circle analyses required, indice</i> Isbestos: Bulk <u>Vipe</u> Vipe ASTM E17927 circle YES or NO Hold: Bulk <u>Air/Zefon/Alerge</u> EM: Bulk/NOB NIOSH 740</u></u>
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Apex #

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Junishury				154	14B	125	13A	12c	Customer ID #	Page ame: A: <u>1960</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u> <u>1000</u>
	DEFENSE		* / East side	Cault-Brown / Window Caulk Roth	white caulk I dryer vient East or		aulk / Dryervent Exterior	Plaster / Ellenion Normansal		APEX Research, Whitmore Lake, MI 48189. Phone: (734) 449 - 9 Mended Date of Surve Mended Project: 2 Userved Project: 3 Userved Project: 3 Userved Project: 3 Contact Perso Email: 5 Ib.225.3800 Email: 5 Son the other side. Circle analyses Asbestos: Bulk Lead / Cad / Chrome: Wipe ASTM E17927 Mold: Bulk TEM: Bulk/NOB
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Received By: Time/Date:								Area	EPA Level II	991 www.Apex - 2020 - 2
d By:								Results	vel II Other	S PCM

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91279 - 01 Asbestos Present: NO Synthetic - 20% Cust. #: No Asbestos Observed Other - 80% 1A Material: Black Vibration Dampener Location: Unit 238 Basement Appearance: black,fibrous,homogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91279 - 02 Synthetic - 20% Cust. #: No Asbestos Observed Other - 80% 1BMaterial: **Black Vibration Dampener** Location: Unit 238 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1 Lab ID #: 91279 - 03 Asbestos Present: NO Cellulose - 20% No Asbestos Observed Cust. #: Fiberglass - 2% 2A Other - 78% Material: White Drywall Location: Unit 238 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2

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.



Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 20-91279 Date Collected: 09/08/20 Date Received: 09/10/20 Date Analyzed: 09/14/20

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Date Received: Date Analyzed: Date Reported:

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.

Report To:

Mr. David Amir

ASTI Environmental

Brighton, MI 48116

10448 Citation Dr., Suite 100

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.



20-91279

09/08/20

09/10/20

09/14/20

09/14/20

ARI Report #

Date Collected:

NVLAP Lab Code 102118-0

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

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

Sample Information

91279 - 05

Lab ID #:

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

Non-Asbestos Material

Cellulose - 20%

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Layer: 1 of 4

Asbestos Type/Percent

Asbestos Present: NO

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 : 236-248 E. Grand River Project # :3-11284

Date Collected: Mr. David Amir 09/08/20 ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91279 - 07a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4A Material: Mastic Location: Unit 238 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4 Asbestos Present: NO Lab ID #: 91279 - 07b Other - 100% Cust. #: No Asbestos Observed 4A Material: 12"x12" Floor Tile, White Location: Unit 238 Kitchen Appearance: white, nonfibrous, homogenous Layer: 3 of 4 Lab ID #: 91279 - 07c Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 4A Material: Mastic Location: Unit 238 Kitchen

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

Appearance: yellow,nonfibrous,homogenous

4

Layer:

4 of

Robert T. Letarte Jr., Laboratory Director

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Report To:



20-91279

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Date Collected: Mr. David Amir 09/08/20 ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91279 - 08 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4BMaterial: 12"x12" Floor Tile, Pink Location: Dining Room Unit 238 Appearance: pink,nonfibrous,homogenous Layer: of 4 1 Asbestos Present: NO 91279 - 08a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4BMaterial: Mastic Location: Dining Room Unit 238 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 4 Lab ID #: 91279 - 08b Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 4B12"x12" Floor Tile, White Material: Location: Dining Room Unit 238 Appearance: white, nonfibrous, homogenous Layer: 3 of 4

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

Robert T. Letarte Jr., Laboratory Director

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Report To:

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RESEARCH

20-91279

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Date Collected: Mr. David Amir 09/08/20 ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91279 - 08c Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4BMaterial: Mastic Location: Dining Room Unit 238 Appearance: yellow,nonfibrous,homogenous Layer: of 4 4 Asbestos Present: NO Lab ID #: 91279 - 09 Other - 100% Cust. #: No Asbestos Observed 5A Material: White Counter Caulk Location: Unit 238 Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91279 - 10 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5BWhite Counter Caulk Material: Location: Unit 236 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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

Robert T. Letarte Jr., Laboratory Director

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Report To:



20-91279

NVLAP Lab Code 102118-0

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

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.



Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/08/20Date Received:09/10/20Date Analyzed:09/14/20Date Reported:09/14/20
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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 20-91279

Certificate of Laboratory Analysis

NVLAP Lab Code 102118-0

Page 9 of 16

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.

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

Lab ID #: 91279 - 15 Cust. #: 8A Material: White Caulk Location: 2nd Fl Bath Unit 238 Tub

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

NVLAP Lab Code 102118-0

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

Report To:

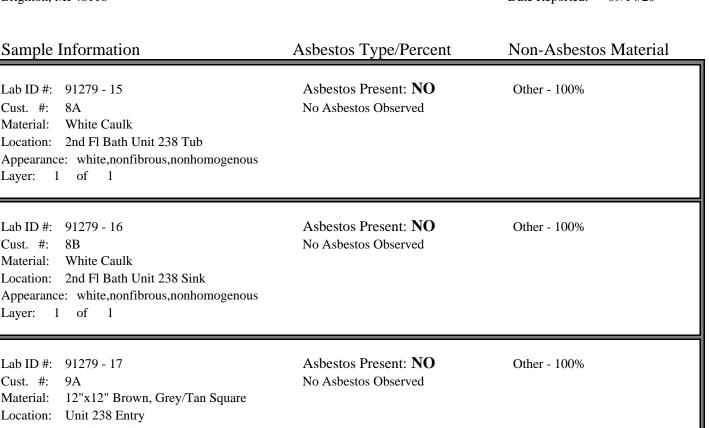
Mr. David Amir

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

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284





Robert T. Letarte Jr., Laboratory Director

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/08/20Date Received:09/10/20Date Analyzed:09/14/20Date Reported:09/14/20
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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To

ARI Report # 20-91279

Robert T. Letarte Jr., Laboratory Director

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

NVLAP Lab Code 102118-0

Location: Unit 248 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Lab ID #: 91279 - 20 Asbestos Present: NO Cust. #: No Asbestos Observed 10B 12"x12" Brown Material: Location: Unit 248 Dining Room

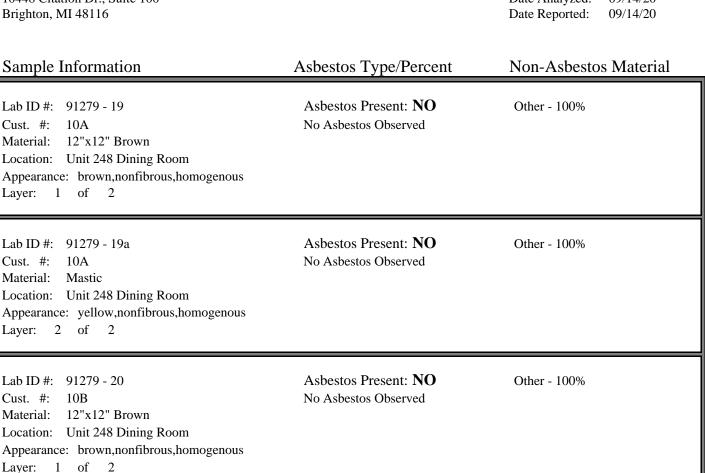
Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100

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

Certificate of Laboratory	Analysis
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Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284





Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/08/20Date Received:09/10/20Date Analyzed:09/14/20Date 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%

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

NVLAP Lab Code 102118-0

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 20-91279 4. C.11 00/00/20

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Report To: ARI Report # 20-91279 Date Collected: Mr. David Amir 09/08/20 ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91279 - 23 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 12A Material: 6" Cream Cove Base Location: 2nd Fl Bathroom Unit 242 Appearance: beige, nonfibrous, homogenous Layer: of 2 1

Asbestos Present: NO

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

91279 - 23a Lab ID #: Cust. #: 12A Material: Mastic Location: 2nd Fl Bathroom Unit 242 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2

Lab ID #: 91279 - 24 Cust. #: 12B 6" Cream Cove Base Material: Location: 2nd Fl Bathroom Unit 242 Appearance: beige, nonfibrous, homogenous Layer: 1 of 2

NVLAP Lab Code 102118-0

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

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.



Robert T. Letarte Jr., Laboratory Director

Other - 100%

Other - 100%

Certificate of Laboratory Analysis Test Method, Polarized Light Microscopy (PLM) Project : 236-248 E. Grand River Project # :3-11284

ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91279 - 24a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 12B Material: Mastic Location: 2nd Fl Bathroom Unit 242 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Asbestos Present: NO Lab ID #: 91279 - 25 Other - 100% Cust. #: No Asbestos Observed 13A Material: White Caulk Location: Window Siding Unit 248 Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91279 - 26 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 13B White Caulk Material: Location: Unit 242 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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

Robert T. Letarte Jr., Laboratory Director

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NVLAP Lab Code 102118-0

Report To: Mr. David Amir ARI Report # 20-91279 Date Collected: 09/08/20

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/08/20Date Received:09/10/20Date Analyzed:09/14/20Date Reported:09/14/20
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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 20-91279

Test Method, Polarized Light Microscopy (PLM)

Project : 236-248 E. Grand River Project # :3-11284

ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Date Reported: Brighton, MI 48116 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91279 - 30 Asbestos Present: NO Fiberglass - 15% Cust. #: No Asbestos Observed Other - 85% 15B Material: Roofing Black Asphalt Shingle Location: Unit 248 Appearance: black,fibrous,homogenous Layer: of 1 1 Asbestos Present: Lab ID #: Cust. #: Material: Location: Appearance: Layer: of Lab ID #: Asbestos Present: Cust. #: Material: Location: Appearance:

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

Robert T. Letarte Jr., Laboratory Director

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Layer:

of

Report To:

Mr. David Amir



20-91279

09/08/20

ARI Report #

Date Collected:

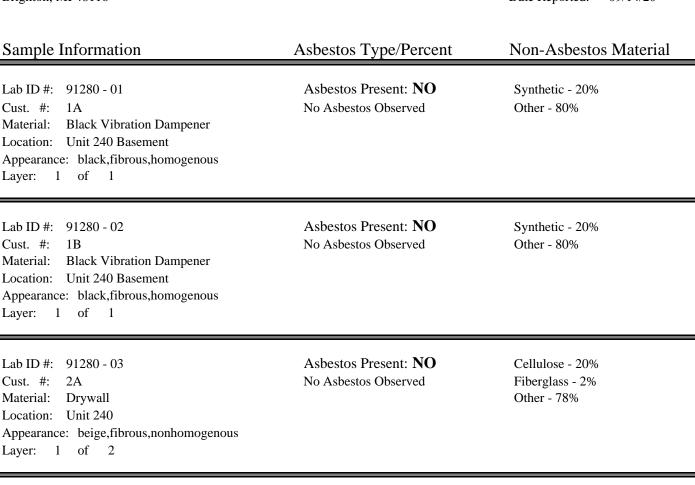
Relinquished By Date: <u>9-10-20</u> Revision R5 Date: Nov/2017													Lab ID C	Samples received after 3pm logged in next morning	Other:	48 hour	Rush	Turn Around Time	Phone: <u>810.225</u>	City, St., Zip: Brodition,	Address: 10번역용	Customer Name: AST			91270
Under R	60	6M.	58	SAL	-HB	HA I	38	48	28	ZA I	21	I IA 6	Customer ID #	(Test Till Positive)	TTP (yes / no	72 hour	24 hour	Turn Around Time: (Circle One) Terms and conditions on the other side	2800	Diation, Mr.	citation ?	-)'		11054 Hi Tech [
Received By: Time/Date:	4	H" Tan covebase /4	\$ /unit 236	White counter cau	+ / Dining ,	12"×12" Floor to pinkt white		white sink undercoat	& Junit	White Drywall & Joind Compound		Black vibration dempene	Material/Location	TEM:	o Mold:	Lead / Cad / Chrome:	Asbestos:	d conditions on the other side.	Fax: 810 225.3800	48386	Drive	Environmental		11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax	APEX
Relinquished By: Date:		4 nit 238 1st ft Book		K/unit238	ruom unit 238	reckervoomer		[unt 239 K	236	Compound / unit 238		Junit238 Bas		Bulk/NOB NIC	Bulk Air/Zefon	Wipe ASTM E1792? circle YES or NO.	Bulk 🗡 Wipe	Circle analyses required,	Email: <u>Jinsley</u> @ a:	Contact Person:	Project # 3-11284	248	Date of Survey:		Research, Inc.
SEP 1.0 2020 Received By: Time/Date:	RECEIVED					unit 238 Kitcher		Achen				iement	Volume Area	NIOSH 7402 EPA Level II	Air/Zefon/AlergencoD BioSIS	r NO Air Paint	Point Count	Circle analyses required, indicate type and quantity	asti-environ / Damire	Tinsley / David Amir		EGrand Blod.	- 8-2020	(734) 449 - 9991 www.ApexMI.com	
By:													Results	Other	SIS Tape	nt Bulk	PCM	Email:	Damir Cast - enf.com Verbal:	Fax:	Report:	Log-In:	Lab Use Only	APEX	B

Relinquished By:													Lab ID	Samples received after 3pm logged in next morning	Other:	48 hour	Rush	Turn Around T	Phone: Slo.	City, St., Zip: Brighton,	Address: 10	Customer N			91279
Junieur	520	12A	II B	11	A 01	10 A	9B	40	98	Ψ8	3F.	M-F-M	Customer ID #	3pm (Test Till Positive)	TTP (yes / no	72 hour	24 hour	Turn Around Time: (Circle One)	810.225,2800	Brighton, Michigan	10448 Citation	Customer Name: ASTT D		L 11054 Hi Tec	2 4
Received By: My 12:45	4	6" cream Covebase		Lindleum moun w tan	& lunit	12"X12" Anown "21	-	12" X12" Brown, GraytTan	\$ 1 indelbatu an	white cauld I and FI		Gray growt / 2nd	Material/Location	e) TEM:	no Mold:	Lead / Cad / Chrome:	Asbestos:	and conditions on the other side.	Fax: 310, 225, 3800	igan, 48116	3	Phinonmental		11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax	APEX
S Relinquished By:		1 Znd fi Bathroom		bown w tan likes square pattern	- 248 Divina woon	(2 Layure) / 248 Dino		rtain square pattern /	anit 238 sink	both unit 238		2nd FI bash Floor unit	ocation	Bulk/NOB N	Bulk Air/Zef	Wipe ASTM E1792? circle YES or NO	Bulk 📈 Wipe _	Circle analyses required, indicate type and quantity	Email: I tinsley @	Contact Person: <u>Jinsley</u>	Project # <u>1-11593</u>	Project: <u>236 - 24</u>	Date of Survey: 9	Phone: (734) 449 - 9990, Fax (Research, Inc.
		unit 242		2 mi R Bah		me room		um+238		TEB .		238	Volume	NIOSH 7402	Air/Zefon/AlergencoD_	6 or NO Air	Poir	d, indicate type	asti-enviorn	Q.	C3	BE.Grand BI	02.02-8-	(734) 449 - 9991 www.ApexMI.com	
Received By		5		unit 242				EARty					Area	EPA Level II	BioSIS	Paint	Point Count	and quantity	n Damine asti-ou.	David Amil		Bivd		ww.ApexMI.com	
Received By:		RCEIVED		2									Results	Other	S Tape	Bulk	PCM	دهم Email:	asti-ew, Verbal:	Fax:	Report:	Log-In:	Lab Use Only	APEX	B

Date: $C_{1}^{2} - (D_{2}^{-1})^{2}$ Revision R5 Date: Nov/2017	Relinquished By												Lab ID	Samples received after 3pm logged in next morning	Other:	48 hour	Rush	Turn Around	Phone: 80.225.2800	City, St., Zip	Address: 10448	Customer Name: ASC			91279
ww	in the second						150	154	148	194	1313	451	Customer ID #	r 3pm (Test Till Positive) g	TTP yes	(72 hour	24 hour	Turn Around Time: (Circle One) *** Terms and conditions on the other side	225,280	City, St., Zip: Brighton, Mi	CHArtion	F-1		لم 11054 Hi Te	ی اور اور
Time/Date:	Received By:				h afs			Roofing Asphalt shing	<i>L</i>	tor 1	+ / unit	white caulk luindow + siding	Material/Location	ive) TEM:	/ no Mold:	Lead / Cad / Chrome:	Asbestos:	is and conditions on the other side.	Fax: 810.725.3800	48116	Drive	Environmental		11054 Hi Tech Drive, Whitmore Lake, MI 48189.	APEX
Date:	Relinquished By:						(inale / unit 248		unit 238	242	otsiding (wait 248	l '	Bulk/NOB	Bulk Air/Z	: Wipe ASTM E1792? circle YES or NO.	Bulk X Wipe	Circle analyses required, indicate type and quantity	Email: It insleage	Contact Person: 🖸	Project # 3-11	×			(Research, Inc.
		スロク		-									Volume	NIOSH 7402	Air/Zefon/AlergencoD	TES or NO Air		red, indicate ty	e asti-env.com	Jul Tholey	184	1	0-8-20	×	
I www.Time/Dat	CEP-1 0 202 Received By:		-wer										Area	EPA Level II		ir Paint	Point Count	pe and quantity	Sec.	/ David Amile	¢	Grand Blvd	S C	(734) 449 - 9991 www.ApexMI.com	
e:	By:												Results	I Other	BioSIS Tape	nt Bulk	PCM	/ Email:	damir @ asti-ewicer Verbal:	Fax:	Report:	Log-In:	Lab Use Only	APEX	6

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284



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.



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

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 03a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 2A Material: Joint Compound Location: Unit 240 Appearance: white, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO 91280 - 04 Cellulose - 20% Lab ID #: Cust. #: No Asbestos Observed Other - 80% $2\mathbf{B}$ Material: Drywall Location: Unit 250 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2 Lab ID #: 91280 - 04a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 2**B** Material: Joint Compound Location: Unit 250 Appearance: white, nonfibrous, homogenous Layer: 2 of 2

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

Robert T. Letarte Jr., Laboratory Director

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

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/10/20Date Analyzed:09/14/20Date 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%

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Robert T. Letarte Jr., Laboratory Director

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20-91280

09/08/20

ARI Report #

Date Collected:

Mr. David Amir

Report To:

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 07a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4A Material: Floor Tile Location: Unit 240 Kitchen Appearance: beige, nonfibrous, homogenous Layer: of 3 2 Asbestos Present: NO 91280 - 07b Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4A Material: Mastic Location: Unit 240 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3 Lab ID #: 91280 - 08 Asbestos Present: NO Cellulose - 25% No Asbestos Observed Cust. #: 4BFiberglass - 5% Other - 70% Material: Linoleum, Tan, Brown w/ Line Sq. Location: Unit 240 Dining Room Appearance: beige, fibrous, homogenous Layer: 1 of 3

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ARI Report # 20-91280 Date Collected: 09/08/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/08/20Date Received:09/10/20Date Analyzed:09/14/20Date 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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(734) 449-9990, Fax (734) 449-9991



Report To:

ARI Report # 20-91280

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 09a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5A Material: Mastic Location: Unit 240 1st Fl Bath Appearance: clear, nonfibrous, homogenous Layer: of 4 2 Asbestos Present: NO 91280 - 09b Other - 100% Lab ID #: Cust. #: No Asbestos Observed 5A Floor Tile Material: Location: Unit 240 1st Fl Bath Appearance: beige, nonfibrous, homogenous Layer: 3 of 4 Lab ID #: 91280 - 09c Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5A Material: Mastic Location: Unit 240 1st Fl Bath Appearance: yellow,nonfibrous,nonhomogenous Layer: 4 of 4

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

Robert T. Letarte Jr., Laboratory Director

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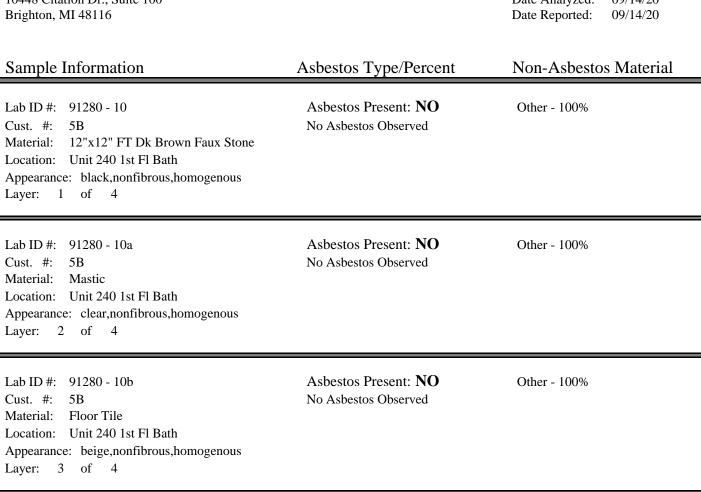
Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91280 Date Collected: 09/08/20 Date Received: 09/10/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

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

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 10c Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5B Material: Mastic Location: Unit 240 1st Fl Bath Appearance: yellow,nonfibrous,nonhomogenous Layer: of 4 4 Asbestos Present: NO 91280 - 11 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6A Material: 4" Tan Cove Base Location: Unit 240 1st Fl Bath Appearance: beige, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91280 - 12 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 6B 4" Tan Cove Base Material: Location: Unit 240 1st Fl Bath Appearance: beige, nonfibrous, homogenous Layer: 1 of 2

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 20-91280 Date Collected: 09/08/20 Date Received: 09/10/20 Date Analyzed: 09/14/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 12a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 6B Material: Mastic Location: Unit 240 1st Fl Bath Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Asbestos Present: NO 91280 - 13 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 7A Material: Grey Grout Location: Unit 240 2nd Fl Bath Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91280 - 14 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 7BMaterial: Grey Grout Location: Unit 240 2nd Fl Bath Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ARI Report # 20-91280 Date Collected: 09/08/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Date Reported: Asbestos Type/Percent Non-Asbestos Material Asbestos Present: NO Other - 100% No Asbestos Observed

Asbestos Present: NO No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Other - 100%

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

Robert T. Letarte Jr., Laboratory Director

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

Sample Information

8A

of

8A

Mastic Location: Unit 250 Basement Stairs

1

91280 - 15

Location: Unit 250 Basement Stairs Appearance: black,nonfibrous,homogenous

91280 - 15a

2

Dk Brown Stair Tread

Appearance: yellow,nonfibrous,homogenous

Dk Brown Stair Tread

Location: Unit 250 Basement Stairs Appearance: black,nonfibrous,homogenous

2

2

Lab ID #:

Cust. #:

Material:

Layer:

Lab ID #: Cust. #:

Material:

Cust. #:

Material:

Layer:

Layer: 2 of

Lab ID #: 91280 - 16

1 of

8**B**

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

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Date Reported: Brighton, MI 48116 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 16a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 8**B** Material: Mastic Location: Unit 250 Basement Stairs Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Asbestos Present: NO Lab ID #: 91280 - 17 Other - 100% Cust. #: No Asbestos Observed 9A Material: 12"x12" Brown/Tan Sq Pattern Location: Unit 250 Kitchen Appearance: grey, nonfibrous, homogenous of Layer: 1 4 Lab ID #: 91280 - 17a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 9A Material: Mastic Location: Unit 250 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 4

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

Robert T. Letarte Jr., Laboratory Director

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

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 17b Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9A Material: Floor Tile Location: Unit 250 Kitchen Appearance: beige, nonfibrous, homogenous Layer: of 4 3 Asbestos Present: NO 91280 - 17c Other - 100% Lab ID #: Cust. #: No Asbestos Observed 9A Material: Mastic Location: Unit 250 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4 Lab ID #: 91280 - 18 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 9B Material: 12"x12" Brown/Tan Sq Pattern Location: Dining Room Appearance: grey, nonfibrous, homogenous Layer: 1 of 4

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91280 Date Collected: 09/08/20 Date Received: 09/10/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 18a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9B Material: Mastic Location: Dining Room Appearance: clear, nonfibrous, homogenous Layer: of 4 2 Asbestos Present: NO 91280 - 18b Other - 100% Lab ID #: Cust. #: No Asbestos Observed 9B Material: Floor Tile Location: Dining Room Appearance: beige, nonfibrous, homogenous Layer: 3 of 4 Lab ID #: 91280 - 18c Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9B Material: Mastic Location: Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4

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

Robert T. Letarte Jr., Laboratory Director

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

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 19 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 10A Material: 12"x12" Grey w/ Rectangles Location: Unit 250 1st Fl Bath Appearance: grey, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 91280 - 19a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 10A Material: Mastic Location: Unit 250 1st Fl Bath Appearance: clear, nonfibrous, homogenous Layer: 2 of 2 Lab ID #: 91280 - 20 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 10B Material: 12"x12" Grey w/ Rectangles Location: Unit 250 1st Fl Bath Appearance: grey, nonfibrous, homogenous Layer: 1 of 2

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 20-91280 Date Collected: 09/08/20 Date Received: 09/10/20 Date Analyzed: 09/14/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Other - 100% Lab ID #: 91280 - 20a Asbestos Present: NO Cust. #: No Asbestos Observed 10B Material: Mastic Location: Unit 250 1st Fl Bath Appearance: clear, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 91280 - 21 Other - 100% Cust. #: No Asbestos Observed 11A Material: 4" Chocolate Coe Base Location: Unit 250 1st Fl Bath Appearance: brown,nonfibrous,homogenous Layer: 1 of 1 Lab ID #: 91280 - 22 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 11B 4" Chocolate Coe Base Material: Location: Unit 250 1st Fl Bath Appearance: brown,nonfibrous,homogenous Layer: 1 of 1

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

Robert T. Letarte Jr., Laboratory Director

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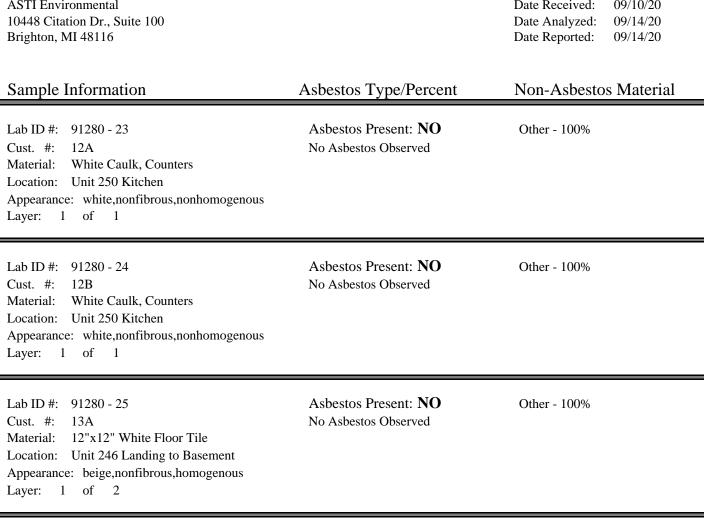
Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91280 Date Collected: 09/08/20 Date Received: 09/10/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

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

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

Robert T. Letarte Jr., Laboratory Director

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

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

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

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

Appearance: white, nonfibrous, homogenous

2

Layer:

1 of

Robert T. Letarte Jr., Laboratory Director

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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

Project : 240-2 Project :

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Date Reported: Brighton, MI 48116 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 29a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 15A Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 91280 - 30 Other - 100% Cust. #: No Asbestos Observed 15B Material: 4" White Cove Base Location: Unit 246 1st Fl Bath Appearance: white, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 91280 - 30a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 15B Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear, nonfibrous, homogenous Layer: 2 of 2

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91280 Date Collected: 09/08/20 Date Received: 09/10/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 31 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 16A Material: 12"x12" Grey, Tan Diamond Center Location: Unit 246 1st Fl Bath Appearance: grey, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 91280 - 31a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 16A Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear, nonfibrous, homogenous Layer: 2 of 2 Lab ID #: 91280 - 32 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 16B Material: 12"x12" Grey, Tan Diamond Center Location: Unit 246 1st Fl Bath Appearance: grey, nonfibrous, homogenous Layer: 1 of 2

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

Robert T. Letarte Jr., Laboratory Director

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Page 20 of 27



20-91280

09/08/20

09/10/20

ARI Report #

Date Collected:

Date Received:

Report To:

Mr. David Amir

ASTI Environmental

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Date Reported: Brighton, MI 48116 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 32a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 16B Material: Mastic Location: Unit 246 1st Fl Bath Appearance: clear, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 91280 - 33 Other - 100% Cust. #: No Asbestos Observed 17A Material: 12"x12" Grey/White Faux Stone Location: Unit 244 Kitchen Appearance: grey, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 91280 - 33a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 17A Material: Mastic Location: Unit 244 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 2

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ARI Report # 20-91280 Date Collected: 09/08/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/08/20Date Received:09/10/20Date Analyzed:09/14/20Date 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%

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

Report To:

Robert T. Letarte Jr., Laboratory Director

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20-91280

ARI Report #

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

ASTI Environmental Date Received: 09/10/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 35a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 18A Material: Mastic Location: Unit 244 Entry Appearance: clear, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 91280 - 36 Other - 100% Cust. #: No Asbestos Observed 18**B** Material: 12"x12" Brown Basket Weave Location: Unit 244 Entry Appearance: brown,nonfibrous,homogenous Layer: 1 of 2 Lab ID #: 91280 - 36a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 18**B** Material: Mastic Location: Unit 244 Entry Appearance: clear, nonfibrous, homogenous Layer: 2 of 2

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ARI Report # 20-91280 Date Collected: 09/08/20

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Date Analyzed: Date Reported: Brighton, MI 48116 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 37 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 19A Material: White Window/Siding Location: Unit 240 Appearance: white, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91280 - 38 Other - 100% Cust. #: 19B No Asbestos Observed Material: White Window/Siding Location: Unit 244 Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91280 - 39 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 20A Material: Brick Mortar Grey Location: Unit 250 Appearance: grey, nonfibrous, homogenous Layer: 1 of 1

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 : 240-250 E. Grand Blvd Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/14/20 Brighton, MI 48116 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 40 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 20B Material: Brick Mortar Grey Location: Unit 240 Appearance: grey, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91280 - 41 Fiberglass - 15% Cust. #: No Asbestos Observed Other - 85% 21A **Reddish Asphalt Shingles** Material: Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 1 of 3 Lab ID #: 91280 - 41a Asbestos Present: NO Fiberglass - 15% No Asbestos Observed Cust. #: 21A Other - 85% Material: Shingle Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 2 of 3

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91280 Date Collected: 09/08/20 Date Received: 09/10/20

Cust. #:

Material:

Layer:

21B

Location: Unit 244

2 of

Shingle

Appearance: black,fibrous,homogenous

3

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

Date Analyzed: 09/14/20 Date Reported: 09/14/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91280 - 41b Asbestos Present: NO Fiberglass - 15% Cust. #: No Asbestos Observed Other - 85% 21A Material: Shingle Location: Unit 244 Appearance: black,fibrous,homogenous Layer: of 3 3 Asbestos Present: NO Lab ID #: 91280 - 42 Fiberglass - 15% Cust. #: No Asbestos Observed Other - 85% 21B **Reddish Asphalt Shingles** Material: Location: Unit 244 Appearance: black,fibrous,homogenous Layer: 1 of 3 Lab ID #: 91280 - 42a Asbestos Present: NO Fiberglass - 15%

No Asbestos Observed

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

Robert T. Letarte Jr., Laboratory Director

Other - 85%

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Test Method, Polarized Light Microscopy (PLM)

Project : 240-250 E. Grand Blvd Project # :3-11284

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

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Page 27 of 27



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

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	Relinquished By Date: 9-10- Revision R5 Date: Nov/2017								Lab ID	Samples received after 3pm logged in next morning	Other:	48 hour	Rush	Phone: <u>Slo</u> . Turn Around	City, St., Zip: Bushton	Address:	Customer Name:		91280
	Josensley - 2020	6A 63	5A SA	4B 4H	3.E D.C	ZB	811 811	À	Customer ID #		TTP (yes)	T2 hour	24 hour	Phone: <u>SUCZES, 2800</u> Fax: <u>SUCZES</u> Turn Around Time: (<i>circle one</i>)	n	10448 Citati	ASTI		
APEX RESEARCH	Received By: RECEIVE Time/Date: SEP 10 2020	"4" Tan coversase	12"×12" Floor tive d	Linoleum tan,	While sink underroat	Diguell + Soint computer		Black vibration Remperer	Material/Location		v no Mold:	Lead / Cad / Chrome:	Asbestos:	$Fax: \frac{-6}{2} \frac{10}{2} \frac{225}{3500}$ is and conditions on the other side.		fion Drive	[INVI Ronmente)		APEX Research, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fax
RCH	ED Relinquished By: Date:	I unit 240	dark brown few stone	brown with white line so	at lunit zulo Ke	-250 -250		1. unit 240	ocation	NOB	Bulk Air/Zef	Wipe ASTM E1792? circle YES or NO	Bulk 🗡 Wipe _	Email: <u>27, As lea e astro-envicem</u> Circle analyses required, indicate type a	Contact Person:	Project # <u>3 -</u>	Project: 240-250	Date of Survey:	Research, Inc. Phone: (734) 449 - 9990, Fax
		est fi Bath	patern / unit	have pattern	Eden			Basencent	Volume A	NIOSH 7402	Air/Zefon/AlergencoD	S or NO Air	Point Count	d, indicate type and quantity	11 Tinsley /	11284	E, Grand	a-8-2020	(734) 449 - 9991 www.ApexMI.com
	Received By: Time/Date:		t zuo ist floor betw	/ unit 240 Kitclew					Area R	EPA Level II	BioSIS	Paint	Count PCM	1 dawne ashrew	David Amir		Bivd	Ø	w.ApexMI.com
			Beth	ě					Results	Other	Tape	Bulk		S Verbal: Email:	Fax:	Report:	Log-ln:	Lab Use Only	APEX

	Date: <u>9-10-2</u> Revision R5 Date: Nov/2017	Relinquished By:													Lab ID	Samples received after 3pm logged in next morning	Other:	48 hour	Rush	Turn Around	Phone: </th <th><u>N</u></th> <th>Address:</th> <th>Customer Name: 4<</th> <th>i</th> <th>3 I C 0 0</th> <th>01280</th>	<u>N</u>	Address:	Customer Name: 4<	i	3 I C 0 0	01280
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APEX RESEARCH	Time/Date: <u>SEP 1 0 2020</u>	Received By: RECEIVED	¥	White Caulk (row		4" chocolate de	¥	12/417" Grant with P	+ / Dining vo	12 F12 Brown + Tan S	*	Dark from start tread		Gray anout / unit	Material/Location	TEM:	Mold:	Lead / Cad / Chrome:	Asbestos:	conditions on the other side.	Fax: 810,225,3600	£	Drive	Environmental		11054 Hi Tech Drive, Whitmore Lake, MI 48189.	APEX
ARCH	020 Date:			(counters) / unit 250		concloace / unit 24	6	Pectrangles / unit	MOOM	square ratern / Unit 2		1 un 7 250 Ba		240 2nd Fi Ban	ocation	Bulk/NOB N	Bulk Air/Ze	Wipe ASTM E1792? circle YES or NO	Bulk 🗡 Wipe	Circle analyses required, indicate type and quantity	Email: J+ingen@	Contact Person:	4 3-11	Project: 240-250	Date of Survey: 9-8-2020	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	APEX Research, Inc.
				Kitchen		50 1St FL BUAN		250 1St A Bath		50 Kideer		Scinend Statilis			Volume Area	NIOSH 7402 EPA	Air/Zefon/AlergencoD	S or NO Air	Point Count	ed, indicate type and c	Com 1	1 Thrshey / David	4	E. Grand Blud	S-2020	(734) 449 - 9991 www.Ape	
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01280	-	APEX	APEX Research, Inc.			B
3 I F O O	د	1054 Hi Tech Drive, Whitmore Lake, MI 48189.	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	: (734) 449 - 9991 ww	v.ApexMI.com	APEX NULL AND A
	ę		Date of Survey:	9-8-2022		Lab Use Only
Customer Name: 451	1	Environmental	Project: <u>240-250</u>	E. Grand	RIVA.	Log-In:
Address: <u>}</u>	10448 citation	Drive	Project # <u>3-11</u>	284		Report:
City, St., Zip:	Bridhton, mi. urus	it. HAME	Contact Person: <u>5// 1</u>	instey /	David Amire	Fax:
Phone: 3107225, 2800	225, 2800	Fax: 310, 225, 3600	Email: <u>Stinsley @ asti-</u>	sti-env.com t	damir casti-envicon	Verbal:
Turn Around Tir	me: (circle one)*******	Turn Around Time: (Circle One)	Circle analyses required, indicate type and quantity	ed, indicate type a	nd quantity	Email:
Rush	24 hour	Asbestos:	Bulk 🔀 Wipe	Point Count		PCM
48 hour	72 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? circle YES or NO.	ES or NO Air	Paint	Bulk
Other:	TTP yes / no	no Mold:	Bulk Air/Ze	Air/Zefon/AlergencoD	BioSIS	Tape
Samples received after 3pm logged in next morning	pm (Test Till Positive)	ve) TEM:	Bulk/NOB]	NIOSH 7402	EPA Level II	Other
Lab ID	Customer ID #	Material/Location	ocation	Volume A	Area	Results
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	1SA	12"×12" Brown basi	basket weave I uni	my the t		tera a
-	18B		*			
Relinquished By:	20 20 20	Received By: SEP 1 0 2020	Relinquished By:		Received By: Time/Date:	
n R5 Date: Nov/20	17		9 9 9			

APEX RESEARCH

91280		APEX	APEX Research, Inc.		
	ĩ	11054 Hi Tech Drive, Whitmore Lake, MI 48189.	Date of Survey: 9-8-20-20	9 - 8 - 70	www.ApexML.com
Customer Name:	ACTI	Environmental	Project: 240 -	250 E. (Strand River
Address: 10	10448 Citation	m Drive	Project #	-11284	
City, St., Zip:	Brighton, mi	48116	Contact Person: <u>Sil</u>	1	Marind Anne
Phone: <u>610,</u>	810, 225, 2 500	Fax: 810.225,3800	Email: It insley @ asti-earlicom	asti-earlicon	1 damir Rasti-curicum
Turn Around Ti	Turn Around Time: (Circle One) HTerms and conditions on the other side	and conditions on the other side.	Circle analyses required, indicate type and quantity	ired, indicate typ	e and quantity
Rush	24 hour	Asbestos:	Bulk 🔀 Wipe		Point Count
48 hour	72 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? circle YES	YES or NO Air	Paint
Other:	TTP (ves)/ no	no Mold:	Bulk Air/2	Air/Zefon/AlergencoD	BioSIS
Samples received after 3pm logged in next morning	pm (Test Till Positive)	E) TEM:	Bulk/NOB	NIOSH 7402	EPA Level II
Lab ID	Customer ID #	Material/Location	cation	Volume	Area
	19A	White window-triding lanit	lanit 240		
	1913	\$/4nt 244	14 1		
	ZOIA	Brack wanter / Unit	it 250		
	2013	6 /unt 240		-	
	214	Reddish Assmult shiveles	es [unit zell		
	213				
Relinquished By	Julasley) Relinquished By:	r:	Received By:
Date: 9-10- Revision R5 Date: Nov/2017	2020	Time/Date:SEP_1_0_2020	Date:		Time/Date:

APEX RESEARCH

Cust. #:

Material:

Layer:

2A

of 2

1

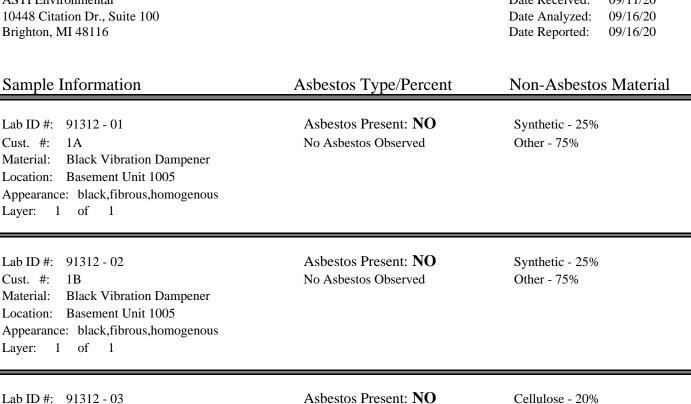
White Drywall Location: Basement Unit 1005

Appearance: beige,fibrous,nonhomogenous

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



No Asbestos Observed

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

Robert T. Letarte Jr., Laboratory Director

Other - 80%

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.



Report To:

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 20-91312 Date Collected: 09/02/20 Date Received: 09/11/20

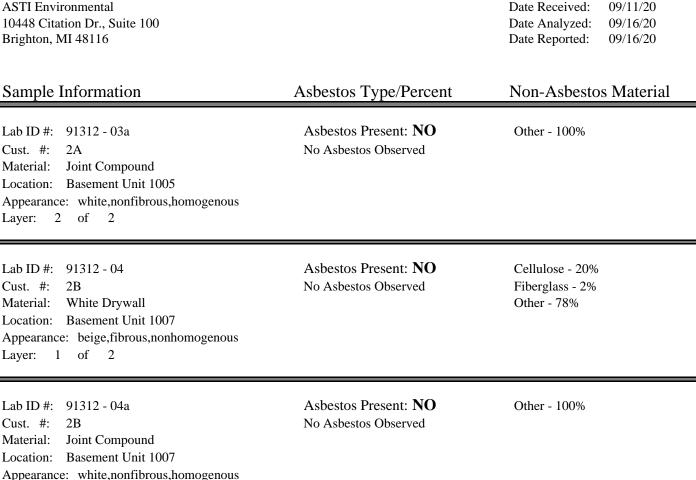
Layer:

2 of 2

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91312 Date Collected: 09/02/20 09/11/20

Layer:

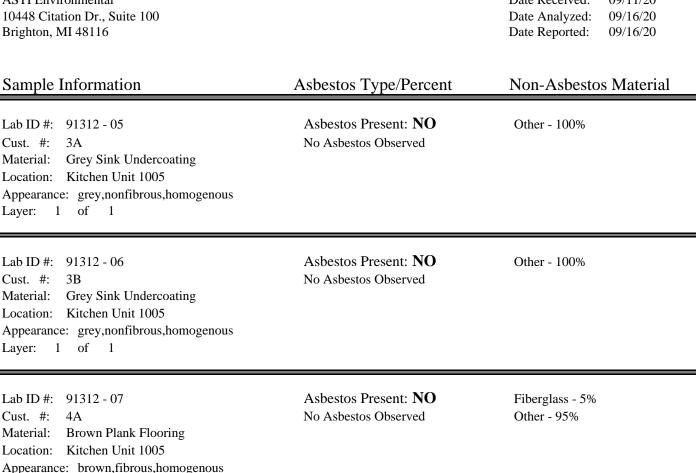
1 of

3

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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Robert T. Letarte Jr., Laboratory Director

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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

Location: Kitchen Unit 1005

1 of

Layer:

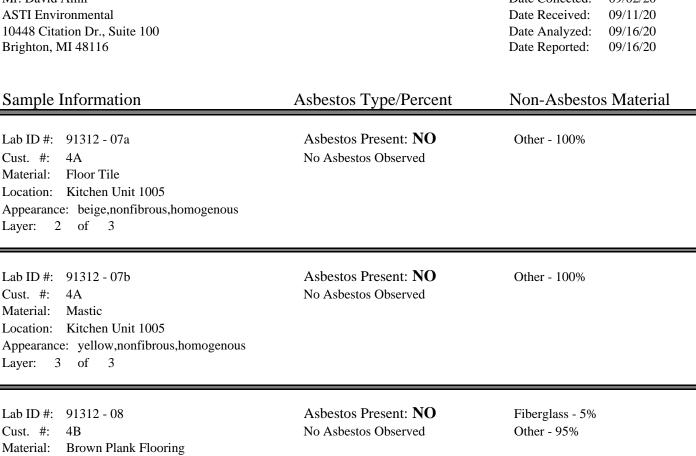
Appearance: brown,fibrous,homogenous

3

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

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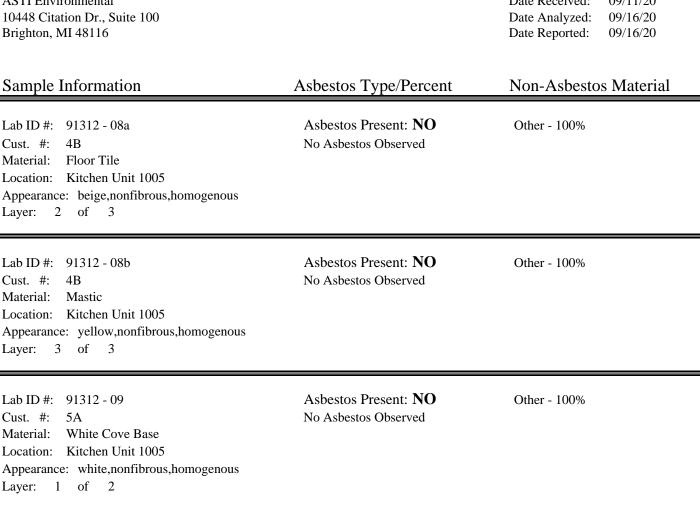


Report To:

Mr. David Amir ASTI Environmental ARI Report # 20-91312 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

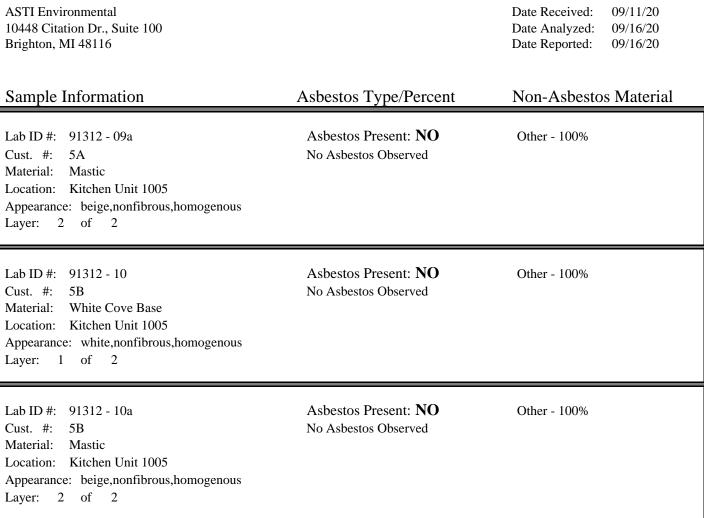
Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested 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.



Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91312 Date Collected: 09/02/20 Date Received: 09/11/20

Test Method, Polarized Light Microscopy (PLM)

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



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Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ARI Report # 20-91312 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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

ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 Date Reported: 09/16/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91312 - 11 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 6A Material: White Countertop Caulk Location: Kitchen Unit 1005 Appearance: white, nonfibrous, nonhomogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91312 - 12 Other - 100% Cust. #: No Asbestos Observed 6B Material: White Countertop Caulk Location: Kitchen Unit 1005 Appearance: white, nonfibrous, nonhomogenous Layer: 1 of 1 Lab ID #: 91312 - 13 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 7A White Caulk Material: Location: Bath Tub Unit 1005 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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.

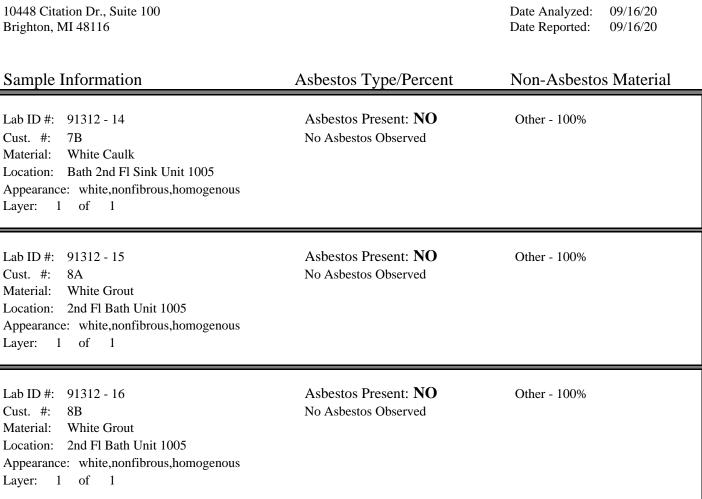




Report To: Mr. David Amir ARI Report # 20-91312 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Prighton 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

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Page 9 of 11

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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

10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91312 - 17 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9A Material: White Cove Base Stair Tread Location: Stairs to 2nd Fl Unit 1007 Appearance: white, nonfibrous, nonhomogenous Layer: of 1 1 Asbestos Present: NO 91312 - 18 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 9B Material: White Cove Base Stair Tread Location: Stairs to 2nd Fl Unit 1007 Appearance: white, nonfibrous, nonhomogenous Layer: 1 of 2 Lab ID #: 91312 - 18a Asbestos Present: NO Other - 100% Cust. #: 9B No Asbestos Observed Material: Mastic Location: Stairs to 2nd Fl Unit 1007 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2

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.



Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91312 Date Collected: 09/02/20 Date Received: 09/11/20 **Report To:**

Mr. David Amir

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/16/20Date 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%

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.





20-91312

09/02/20

ARI Report #

Date Collected:

Report To:

Mr. David Amir

ASTI Environmental

10448 Citation Dr., Suite 100

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

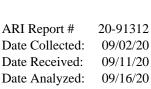
Project : 1005-1007 Field Street Project # :3-11284

Brighton, MI 48116		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:	

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.





	Relinquished By: Date: <u><u><u></u></u> Revision R4 Date: May/2017</u>	. 68	64	99	SA	. Чв	HA	36	3A	28	42	IR.	14	Lab ID Customer ID #		Samples received after 1mm (Terr Till Provision)		48 hour	Rush 24 hour	Turn Around Time: (circle One)Terms and conditions on the other side.	Phone: <u>310.225, 2800</u>	City, St., Zip: Brighton michigan	Address: 16448 Citation Triven			91312
APEX RESEARCH	Received By: <u>SEP 11-2020</u> Relinquished By: Time/Date: <u>DSSS</u> Date:	RECEIVED	white counter the rail K / K for	· · · · · · · · · · · · · · · · · · ·	white coverbase 1 Kitchen unit	11 Junitary	Brown plank flooring / Kitchen	LI L	2470C	1 pasement which Ino7	White drywall + lointronwoound /	()	Black vibration dampened Basemen	Material/Location	TEM: Bulk/NOB	10 Mold: Bulk			sbestos	and conditions on the other side. Circle analyses required, indicate type and quantity	16.725.3800	48 116	mental	Date of Survey:	1_	APEX Recearch Inc
101		, Chr		topy	1374	1		A LIAL T			Basemens		t ant	Volume	NIOSH 7402	Air/Zefon/AlergencoD	ES or NO			red. indicate type an		717	404	9-2-20	IX (734) 449 - 9	
Z pa	- Recei	+ 108	5					1000	5577		01 1: unit	ļ	1002	Area	EPA Level II	Ð	Air	Point Count	a	type and nu		-	field sh	020	(734) 449 - 9991 www.ApexMI.com	
	Received By: Time/Date:										5 5 7			Results		BioSIS Tane	Paint Bulk	PCM		Sasti-env.co	Hmir Fax:		Street Log-In:		MI.com	•

Apex #

2 of 2 pages	2		APEX RESEARCH	APEX RE		
Received By: Time/Date:	- Received B Time/Date:		<u>259 11 2020</u> Date:		000	Date: 9-8-74 Revision R4 Date: May/2017
	, ,		RECEIVED Reliminated Bar	Received By: RECI	Justey	quish
				11	Clir	
		1005	Asphaltshingles lunit (Roofin Black Asphal		
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		100-tmu	1 Baturon	Gray grant and floor	10 A	
				anguri A. Bagari	913	
t-1	100 frank	tair tread	Zidfloor-Covelases	white stairs to Zid	Q.A	
					28	
		4 1005	2nd floor Bath uni	white Grout 2n	d o A	
	285	K unit	Bath and floor sub	810	6 A D	
		2001	1 weth tub anit	- 7	4L HL	
Results	Area				~I~	
		VIA	ocation	Material/Location	Customer ID #	Lab ID
	EPA Level II	NIOSH 7402	NOB			samples received atter 3pm logged in next morning
		Air/Zefon/Alerrencon	Bulk Air/7	/ no Mold:		Other:
	Air	YES or NO	Wipe ASTM E1792?	Lead / Cad / Chrome:	72 hour	48 hour
	Point Count		1 1	Asbestos:	24 hour	KUISD
Sasti-env.co			Circle analyses required,	mis and conditions on the other side.	I UTH AFOUND TIME: (CITC/E ONE). Tems and conditions on the other side	I UTI AFOUND
Hmir Fax:	10	Post: and I la	Email: T+: As ley @ a	Fax: <u>\$16.725.3800</u>	Phone: <u>310.225, 2800</u>	Phone: <u>810</u>
		$\tau + \tau$	Contact Person: 7	lichigan 48116	City, St., Zip: Brighton, Michigan	City, St., Zi
Log-In:	street	1007 Field	Project:	Niron mental	Address: 10448 Citation Drive	Address: <u>] (</u>
	S.	9-2-2020	Date of Survey:	- -	Name Arte r	Clietomer
	1991 www.Anext	-ax (734) 449 - 9	APEX Research, Inc. MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.AnexMT.com	APEX 11054 Hi Tech Drive, Whitmore Lake, MI 48189.		RICIL
						01010

Report To:

Layer:

Mr. David Amir

ASTI Environmental

Brighton, MI 48116

10448 Citation Dr., Suite 100

Sample Information

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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

Date Collected: 09/03/20 Date Received: 09/11/20 Date Analyzed: 09/16/20 Date Reported: 09/16/20 Asbestos Type/Percent Non-Asbestos Material

ARI Report #

Lab ID #: 91295 - 01	Asbestos Present: NO	Cellulose - 20%	
Cust. #: 1A	No Asbestos Observed	Other - 80%	
Material: White Drywall			
Location: Unit 1014			
Appearance: brown,fibrous,nonhomogenous			
Layer: 1 of 2			
		0.1 1000/	
Lab ID #: 91295 - 01a	Asbestos Present: NO	Other - 100%	
Cust. #: 1A	No Asbestos Observed		
Material: Joint Compound			
Location: Unit 1014			
Appearance: white, nonfibrous, homogenous			
Layer: 2 of 2			
Lab ID #: 91295 - 02	Asbestos Present: NO	Cellulose - 20%	
Cust. #: 1B	No Asbestos Observed	Other - 80%	
Material: White Drywall			
Location: Unit 1016			
Appearance: white,fibrous,nonhomogenous			
laver: 1 of 2			

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.



20-91295

Test Method, Polarized Light Microscopy (PLM)

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

Report To: ARI Report # 20-91295 Date Collected: Mr. David Amir 09/03/20 ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 09/16/20 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91295 - 02a Asbestos Present: NO Other - 100% No Asbestos Observed 1B

Cust. #: 1B Material: Joint Compound Location: Unit 1016 Appearance: white,nonfibrous,homogenous Layer: 2 of 2

Lab ID #: 91295 - 03 Cust. #: 2A Material: White Sink Undercoating Location: Unit 1014 Kitchen Appearance: white,fibrous,homogenous Layer: 1 of 1

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

Asbestos Present: NO

No Asbestos Observed

Cellulose - 10% Other - 90%

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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Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/03/20Date Received:09/11/20Date Analyzed:09/16/20Date 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

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20-91295

ARI Report #

Test Method, Polarized Light Microscopy (PLM)

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

Date Collected: 09/03/20 Date Received: 09/11/20 Date Analyzed: 09/16/20 09/16/20 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91295 - 05c Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 3A Material: Glue Location: Unit 1014 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: of 4 4 Asbestos Present: NO 91295 - 06 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 3B Material: 12"x12" FT Tan/Brown Location: Unit 1014 Kitchen Appearance: beige, nonfibrous, homogenous

Asbestos Present: NO

No Asbestos Observed

Lab ID #: 91295 - 06a Cust. #: 3B Material: Glue Location: Unit 1014 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 4

Layer: 1

of 4

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

Robert T. Letarte Jr., Laboratory Director

Other - 100%

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

ARI Report # 20-91295 Brighton, MI 48116

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

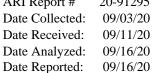
Project: 1014-1016 Field Project # :3-11284 **Report To:** ARI Report # 20-91295 Date Collected: Mr. David Amir 09/03/20 **ASTI Environmental** Date Received: 09/11/20 10448 Citation Dr., Suite 100

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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Test Method, Polarized Light Microscopy (PLM)

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

Report To: ARI Report # 20-91295 Date Collected: 09/03/20 Date Received: 09/11/20 Date Analyzed: 09/16/20 09/16/20 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91295 - 07a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4A Material: Thick Floor Tile Location: Unit 1016 Dining Room Appearance: beige, nonfibrous, homogenous Layer: of 3 2 Asbestos Present: NO 91295 - 07b Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4A Glue

Material: Location: Unit 1016 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3

Lab ID #: 91295 - 08 Asbestos Present: NO No Asbestos Observed Cust. #: 4BMaterial: Brown Planking Faux Wood Pattern Location: Unit 1016 Dining Room Appearance: grey, fibrous, nonhomogenous Layer: 1 of - 3

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

Robert T. Letarte Jr., Laboratory Director

Fiberglass - 5%

Other - 95%

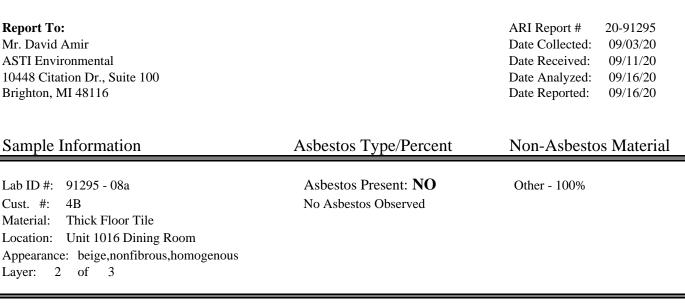
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Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

Test Method, Polarized Light Microscopy (PLM)

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



91295 - 08b Lab ID #: Cust. #: 4BMaterial: Glue Location: Unit 1016 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 3 of 3

Lab ID #: 91295 - 09 Cust. #: 5A White Caulk Material: Location: Unit 1016 1st Fl Bathroom Appearance: white, nonfibrous, homogenous Layer: 1 of 1

Asbestos Present: NO No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Other - 100%

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

Robert T. Letarte Jr., Laboratory Director

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

Test Method, Polarized Light Microscopy (PLM)

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

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

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

Robert T. Letarte Jr., Laboratory Director

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

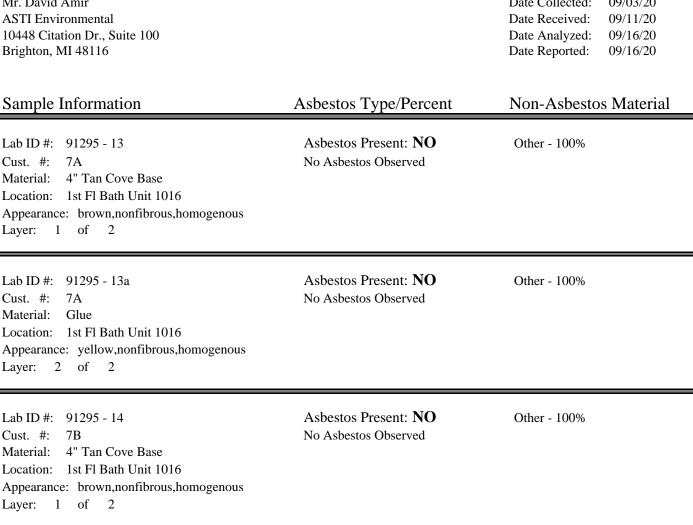
ARI Report # 20-91295 Date Collected: 09/03/20 Date Received: 09/11/20 Date Analyzed: 09/16/20 09/16/20 Date Reported:

Test Method, Polarized Light Microscopy (PLM)

Project # :3-11284

Certificate of Laboratory Analysis

Project : 1014-1016 Field



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

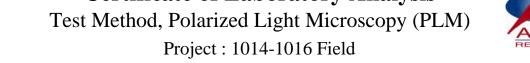
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Report To: Mr. David Amir ARI Report # 20-91295 Date Collected: 09/03/20

Project # :3-11284



Report To: ARI Report # 20-91295 Date Collected: Mr. David Amir 09/03/20 ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 09/16/20 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91295 - 14a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 7B Material: Glue Location: 1st Fl Bath Unit 1016 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Asbestos Present: NO 91295 - 15 Lab ID #: Fiberglass - 30% Cust. #: No Asbestos Observed Other - 70% 8A Material: **Roofing Green Asphalt Shingles** Location: Roof Unit 1014 Appearance: black,fibrous,homogenous Layer: 1 of 1 Lab ID #: 91295 - 16 Asbestos Present: NO Fiberglass - 30% No Asbestos Observed Other - 70% Cust. #: 8B Material: **Roofing Green Asphalt Shingles** Location: Roof Unit 1014 Appearance: black,fibrous,homogenous Layer: 1 of 1

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.



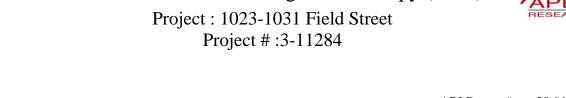
Relinquished By: <u>W. J. M. Wy</u> Date: <u>1. C. Jo W</u> Revision R4 Date: May/2017	68 68	_	3 3 A	IB ZA	Lab ID Customer ID #	91295 11054 Hi Tech Drive, Whitmore Lake Customer Name: ASTI Environmented Address: 10448 Citation Drive City, St., Zip: Brighton, Michagan 48 116 Phone: <u>310.225, 2800</u> Fax: <u>310.225.3</u> Turn Around Time: (circle one)
Received By: SEP 11 2020 Relinquished By: Received By: Time/Date: Date: Date: Time/Date: APEX RESEARCH 1 of 2 pages Time/Date:	White Caulk Lanit 1016 1stfl Bathroom 17 1 2nd flow Bathroom White Counter Caulk/ unit 1016 Kitcher RECEIVED	Brown planking faux wood pattern / unit 10/6 Drived por	12" KIZ" Floor file ton, moun Tunit 1614 Kitcher	K.	A	APEX Research, Inc. APEX Research, Inc. MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com Date of Survey: q_{\circ} 3, 2020 Project: 1014-1016 Field Project: 111 Tinstey / David Amir Contact Person: 111 Tinstey / David Amir Contact Person: 111 Tinstey / David Amir SoO Email: 12 instey @ ast i - env!, com / damir Contact Persor: Trinstey @ ast i - env!, com / damir PcM Isbestos: Bulk Wipe Point Count PcM Ichrome: Wipe ASTM E17927 circle YES or NO Air Paint Iold: Bulk Air/Zefon/AlergencoD BioSIS EM: Bulk/NOB NIOSH 7402 EPA Level II

Apex #

Relinquished By: <u>A. Justury</u> Date: <u>9.8.2020</u> Revision R4 Date: May2017	91295 2 11054 HI Tech Drive, Whitmore Lake Customer Name: AST1 Environmental Address: 10448 Citation Drive Phone: 310.225 2800 Turn Around Time: (circle one) Fax: 310.725.3 Num Around Time: (circle one) TTP (CS) / no Namples recived after 3pm TTP (CS) / no Sigged in next moming TTP (CS) / no Lab ID Customer ID # Ma State State State State State State State State	
Received By: Date: Time/Date: Time/Date: Time/Date:	APEX Research, Inc. INTERNAME Project: (73) 49 - 999, fax (73) 49 - 990, fax (73) 49 -	

Apex #

Test Method, Polarized Light Microscopy (PLM)



Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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

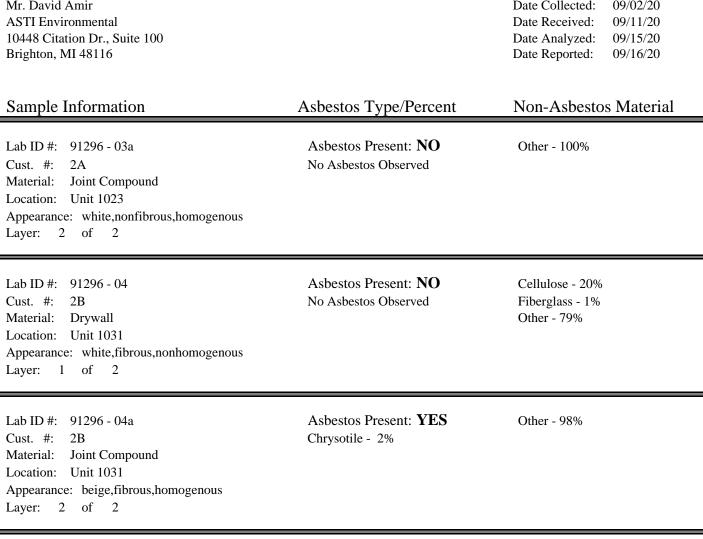
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Report To: Mr David Amir ARI Report # 20-91296 Date Collected 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ARI Report # 20-91296 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



09/16/20 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91296 - 05 Asbestos Present: NO Cellulose - 10% Cust. #: No Asbestos Observed Other - 90% 3A Material: White Sink Undercoating Location: Kitchen 1023 Appearance: white, fibrous, homogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91296 - 06 Cellulose - 10% Cust. #: No Asbestos Observed Other - 90% 3B Material: White Sink Undercoating Location: Kitchen 1023 Appearance: white, fibrous, homogenous Layer: 1 of 1 Lab ID #: 91296 - 07 Asbestos Present: NO Cellulose - 10% No Asbestos Observed Cust. #: 4A Fiberglass - 10% Other - 80% Material: Linoleum Location: Kitchen 1023 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 3

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

Robert T. Letarte Jr., Laboratory Director

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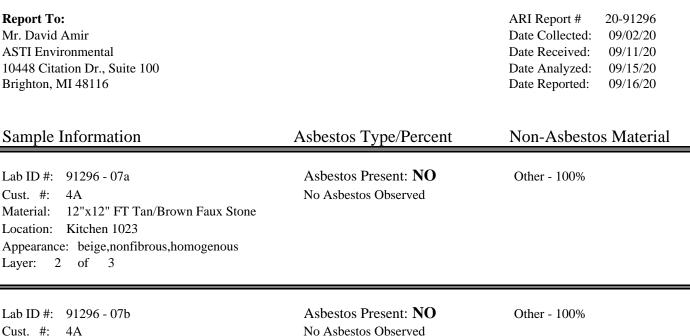


Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

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

Test Method, Polarized Light Microscopy (PLM)

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



Cust. #: 4A Material: Glue Location: Kitchen 1023 Appearance: clear, nonfibrous, homogenous Layer: 3 of 3

Appearance: beige,fibrous,nonhomogenous

Lab ID #: 91296 - 08

Material: Linoleum

1

4B

Location: Dining Room 1023

of 3

Cust. #:

Layer:

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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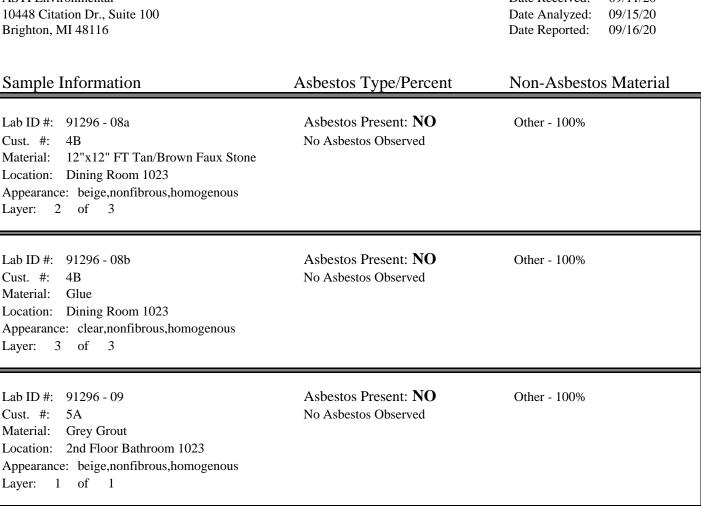
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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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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

Test Method, Polarized Light Microscopy (PLM)

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

Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/15/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91296 - 10 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 5B Material: Grey Grout Location: 2nd Floor Bathroom 1023 Appearance: beige, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 91296 - 11 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6A Material: White Bath Caulk Location: 2nd Fl Bathroom Sink 1023 Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91296 - 12 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 6B White Bath Caulk Material: Location: 2nd Fl Tub Unit 1023 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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

Robert T. Letarte Jr., Laboratory Director

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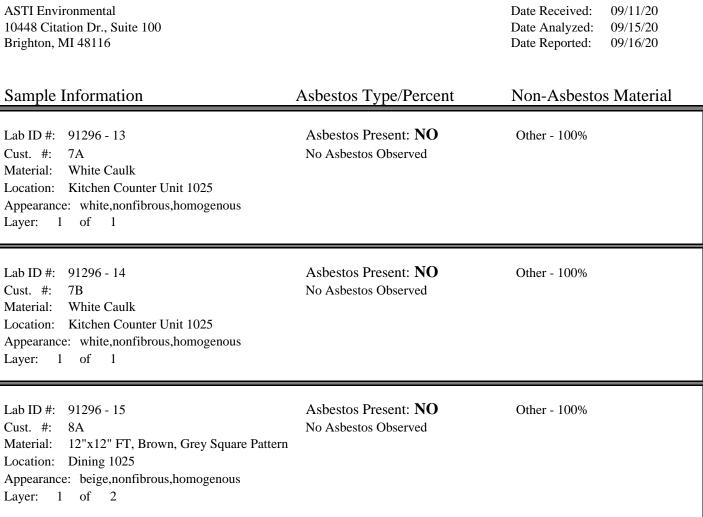




Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91296 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



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Report To: Mr. David Amir ARI Report # 20-91296 Date Collected: 09/02/20

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Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date Reported:09/16/20
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%

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

Robert T. Letarte Jr., Laboratory Director

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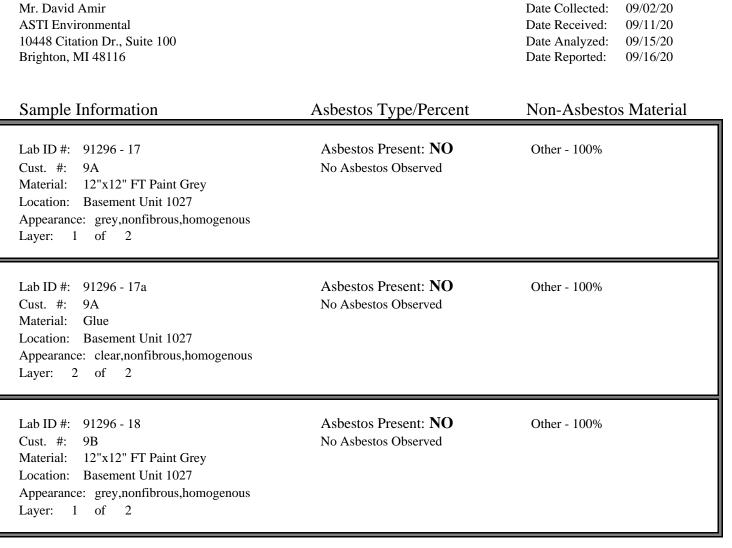


Report To

ARI Report # 20-91296

Test Method, Polarized Light Microscopy (PLM)

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



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

Report To:

Robert T. Letarte Jr., Laboratory Director

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20-91296

ARI Report #

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date Reported:09/16/20
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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 20-91296

Test Method, Polarized Light Microscopy (PLM)

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

Sample InformationAsbestos Type/PercentNon-Asbestos MaterialLab ID #: 91296 - 21 Cust. #: 11A Materiai: Grey Vibration Dampener Location: Basement Unit 1031 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1Asbestos Present: NO No Asbestos ObservedSynthetic - 10% Other - 90%Lab ID #: 91296 - 22 Cust. #: 11B Materiai: Grey Vibration Dampener Location: Basement Unit 1031 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1Asbestos Present: NO No Asbestos ObservedSynthetic - 10% Other - 90%Lab ID #: 91296 - 22 Cust. #: 11B Materiai: Grey Vibration Dampener Location: Basement Unit 1031 Appearance: grey,fibrous,nonhomogenous Layer: 1 of 1Asbestos Present: NO No Asbestos ObservedSynthetic - 10% Other - 90%Lab ID #: 91296 - 23 Cust. #: 12A Materiai: Red Fire Stop Caulk Location: Basement Unit 1031 Appearance: red,fibrous,homogenousAsbestos Present: NO No Asbestos ObservedCellulose - 10% Other - 90%	Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date Reported:09/16/20
Cust. #:11ANo Asbestos ObservedOther - 90%Material:Grey Vibration DampenerOther - 90%Other - 90%Location:Basement Unit 1031Appearance:grey, fibrous, nonhomogenousDiffer - 90%Layer:1of1Differ - 90%Synthetic - 10%Cust. #:91296 - 22Asbestos Present:NOSynthetic - 10%Cust. #:11BNo Asbestos ObservedOther - 90%Other - 90%Material:Grey Vibration DampenerNo Asbestos ObservedOther - 90%Layer:1of1Differ - 90%Layer:1of1Differ - 90%Layer:1of1Differ - 90%Layer:1of1Differ - 90%Layer:1of1Differ - 90%Lab ID #:91296 - 23Asbestos Present:NOCust. #:12ANo Asbestos ObservedOther - 90%Material:Red Fire Stop CaulkNo Asbestos ObservedOther - 90%Material:Red Fire Stop CaulkNo Asbestos ObservedOther - 90%Material:Red Fire Stop CaulkOther - 90%Other - 90%Location:Basement Unit 1031Appearance:red, fibrous, homogenousAppearance:red, fibrous, homogenousStates of the stop CaulkStates of the stop CaulkLocation:Basement Unit 1031Appearance:States of the stop CaulkLocation:Basement Unit 1031Appearance:States of the stop Caulk </td <td>Sample Information</td> <td>Asbestos Type/Percent</td> <td>Non-Asbestos Material</td>	Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Cust. #:11BNo Asbestos ObservedOther - 90%Material:Grey Vibration DampenerLocation:Basement Unit 1031Location:Basement Unit 1031Appearance:grey,fibrous,nonhomogenousLayer:1of1Lab ID #:91296 - 23Asbestos Present:NOCust. #:12ANo Asbestos ObservedOther - 90%Material:Red Fire Stop CaulkNo Asbestos ObservedOther - 90%Location:Basement Unit 1031Appearance:red,fibrous,homogenous	Cust. #: 11A Material: Grey Vibration Dampener Location: Basement Unit 1031 Appearance: grey,fibrous,nonhomogenous		-
Cust. #:12ANo Asbestos ObservedOther - 90%Material:Red Fire Stop CaulkLocation:Basement Unit 1031Appearance:red, fibrous, homogenousImage: Fibrous and Fibrous	Cust. #: 11B Material: Grey Vibration Dampener Location: Basement Unit 1031 Appearance: grey,fibrous,nonhomogenous		-
Layer: 1 of 1	Cust. #: 12A Material: Red Fire Stop Caulk Location: Basement Unit 1031		

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

Robert T. Letarte Jr., Laboratory Director

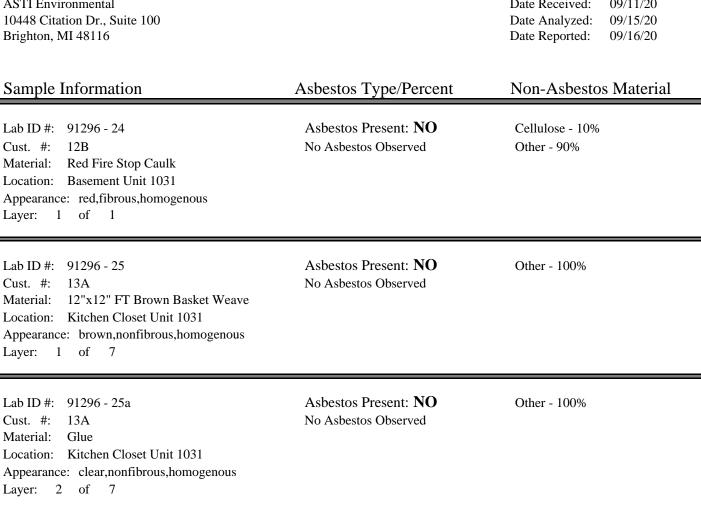
Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested 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.



Report To: Mr David Amir ARI Report # 20-91296 Date Collected 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

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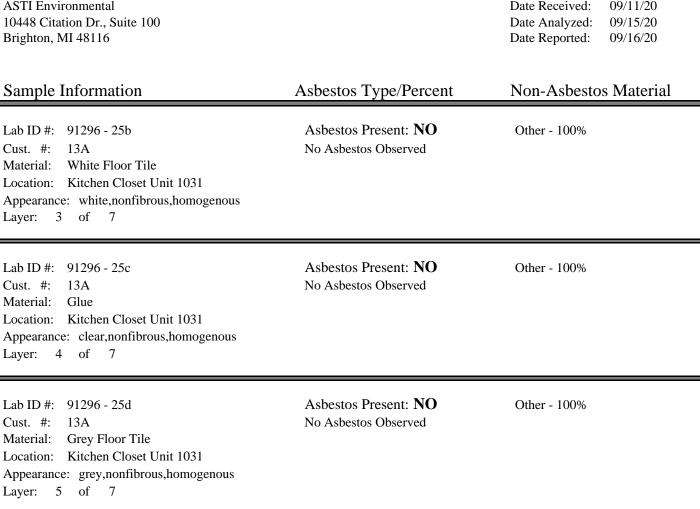




Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91296 Date Collected: 09/02/20 Date Received: 09/11/20

Test Method, Polarized Light Microscopy (PLM)

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



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Robert T. Letarte Jr., Laboratory Director

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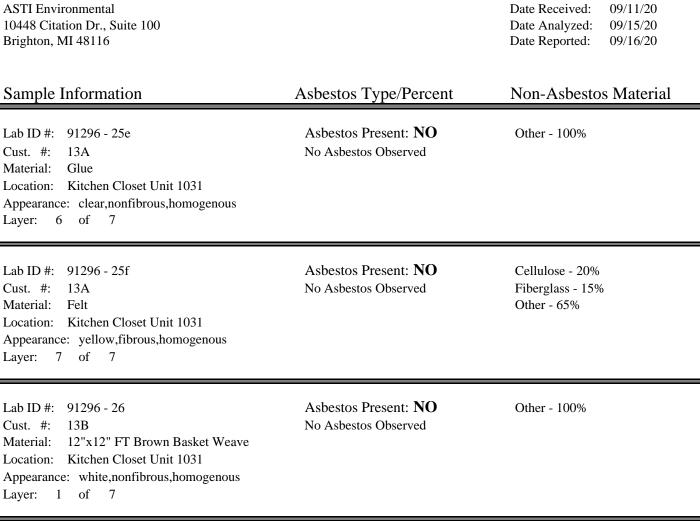


Mr. David Amir ASTI Environmental ARI Report # 20-91296 Date Collected: 09/02/20 Date Received: 09/11/20

Report To:

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

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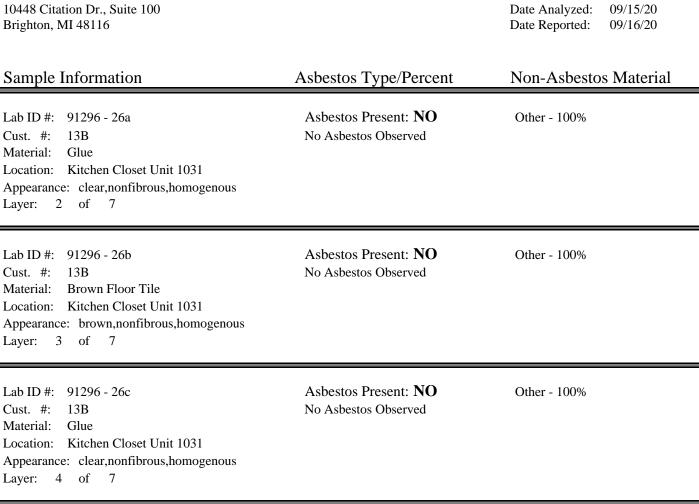




Report To: Mr. David Amir ARI Report # 20-91296 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

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Keport 10: 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

Report To:

Test Method, Polarized Light Microscopy (PLM)

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

ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/15/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91296 - 26d Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 13B Material: Grey Floor Tile Location: Kitchen Closet Unit 1031 Appearance: grey, nonfibrous, homogenous Layer: of 5 7 Asbestos Present: NO 91296 - 26e Other - 100% Lab ID #: Cust. #: 13B No Asbestos Observed Material: Glue Location: Kitchen Closet Unit 1031 Appearance: clear, nonfibrous, homogenous Layer: 6 of 7 Lab ID #: 91296 - 26f Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 13B Material: Felt Location: Kitchen Closet Unit 1031 Appearance: yellow,fibrous,homogenous Layer: 7 of 7

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.



Report To: Mr. David Amir ARI Report # 20-91296 Date Collected: 09/02/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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

ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/15/20 Brighton, MI 48116 Date Reported: 09/16/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91296 - 27 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 14A Material: Brown Plank Faux Wood Location: Dining Room Unit 1029 Appearance: brown,nonfibrous,homogenous Layer: of 4 1 Asbestos Present: NO 91296 - 27a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 14A Material: Glue Location: Dining Room Unit 1029 Appearance: clear, nonfibrous, homogenous of Layer: 2 4 Lab ID #: 91296 - 27b Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 14A Material: Grey Floor Tile Location: Dining Room Unit 1029 Appearance: grey, nonfibrous, homogenous Layer: 3 of 4

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

Robert T. Letarte Jr., Laboratory Director

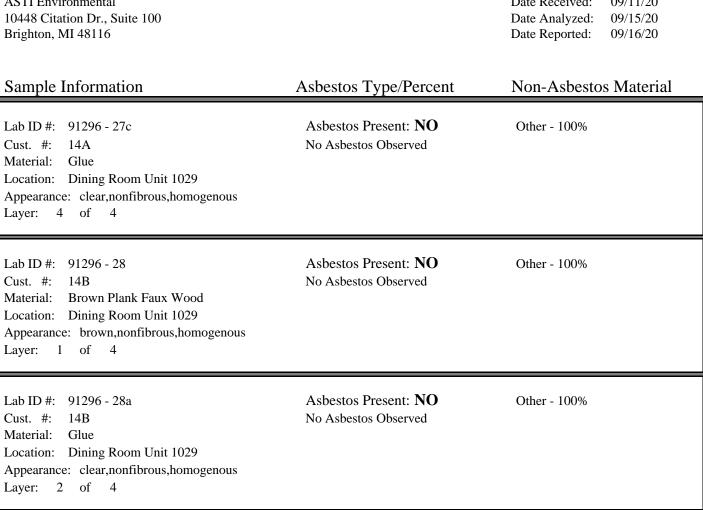
Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested 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.



Report To: Mr. David Amir ARI Report # 20-91296 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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



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Robert T. Letarte Jr., Laboratory Director

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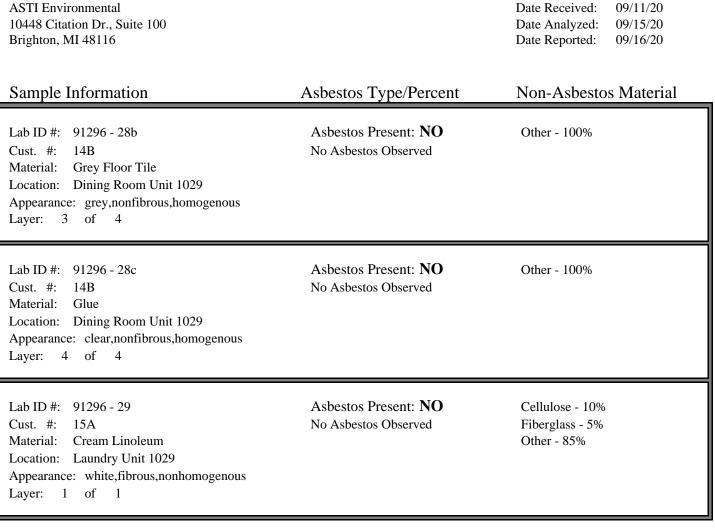
Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91296 Date Collected: 09/02/20 Date Received: 09/11/20 **Report To:**

Mr. David Amir

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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Robert T. Letarte Jr., Laboratory Director

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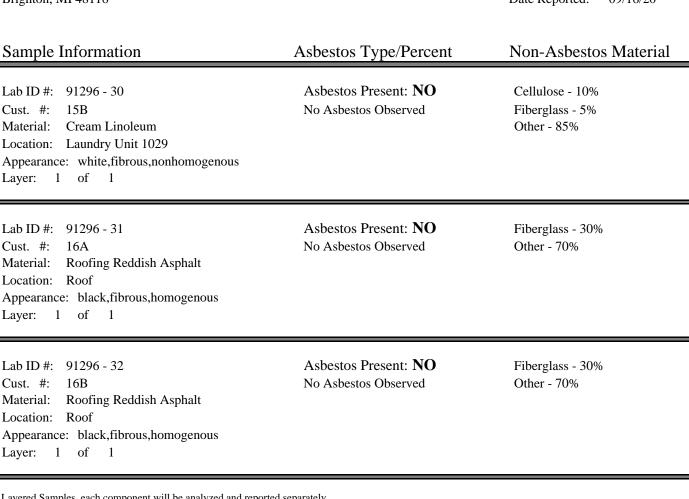


09/02/20

Date Collected:

Test Method, Polarized Light Microscopy (PLM)

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



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Robert T. Letarte Jr., Laboratory Director

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Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100

Report To:

Brighton, MI 48116

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

	Relinquished By: V.J. Date: 9 - 8 - 28 - 28 - 28 - 28 - 28 - 28 - 2													Lab ID	ioggen m next moturn	Samples received after 3pm		10 1	Rush	Turn Around	City, St., Zip	Address: 10	Customer		91296)
	J. Trusky	899	6A	50	5A	чв	4 H	36	AC	20	24	10	LA	Customer ID #	PO	r 3pm (Test Till Positive)	(72 hour			Frome: <u>310.225,2800</u>	City, St., Zip: <u>Brighton, michigan</u>	Address: 10448 Citation	Customer Name: ASTI E	11054 Hi)
APEX RESEARCH	Received By: Time/Date: <u>SEP 11 2020</u>	RECEIVED	White both ceulk 1 2nd	ators activ	Gray grout I and f	14/ Dining room	12" XIZ" floor tile ton		White sink under co	it lunit	Dry wall + joint compand		Black vibration Dame	Material/Location	IEM:	0	Lead / Ca	Asbestos:	Rush	_ Fax: <u>\$10.725,3800</u>	hichigan 48116	Drive	Environmental	11054 Hi Tech Drive, Whitmore Lake, MI 48189.	APEX	
and a	Relinquished By: Date:	I Tab unit	Floor bathroom		Floor bath room		ton & Brown Frank Stone		oating 1 Kitchen 1	1031	1/unit 1023		Dompener / 1023 Basen	ocation	Bulk/NOB		Wipe ASTM E17927 circle YES	Bulk X Wipe	Circle analyses required, indicate type and quantity	Email: Jtinsley@	<u>е</u> і	1	Date of Survey:	P		
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		1	Phone: (734) 449 - 9990, Fax		(734) 449 - 9991 www.ApexMI.com		
		-	Date of Survey:		8	Lab Use Only	P P
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City, St., Zip:	ighton,	Michigan 48 116	Contact Person: T	C: II Tindo			
Phone: <u>310.225, 2800</u>	25.2800	Fax: <u>\$10.725.3800</u>	Email: <u>Jtins</u> ley@	@ ast i -env. com		1 do mir Brosti-envicent/arhal	I
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48 hour	72 hour	Lead / Cad / Chrome:	Wipe ASTM E1792? circle YES or NO.		•	Paint Bulk	
Other: Samples received after 3pm	3pm (Test Till Positive)	6	Bulk Air/Z	Air/Zefon/AlergencoD		BioSIS Tape	I
logged in next morning		TEM:	Bulk/NOB	NIOSH 7402	EPA Level II		
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P 11,2020 Relinquished By:	FINED					L	Aruha It I Prof.	C	I Launday unit	C	found wood I Diving noo		brown basket weave	Location	Bulk/NOB	Bulk Air/2	Wipe ASTM E1792 ?	;; Bulk X Wipe	Circle analyses required, indicate type and quantity	Email: <u>Jtinsley</u>	erson:	Project # 3-	Project: 1023	Ę	APEX Research, Inc.	
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Apex #

Test Method, Polarized Light Microscopy (PLM)

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

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/15/20Date 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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ARI Report # 20-91299 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To:

ARI Report # 20-91299

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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%

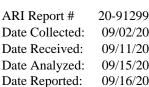
For Layered Samples, each component will be analyzed and reported separately.

Report To:

Robert T. Letarte Jr., Laboratory Director

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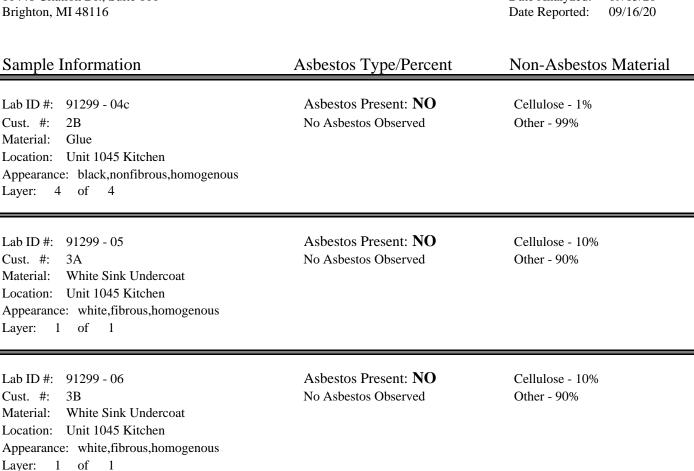






Test Method, Polarized Light Microscopy (PLM)

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



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

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Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton MI 48116
 ARI Report #
 20-91299

 Date Collected:
 09/02/20

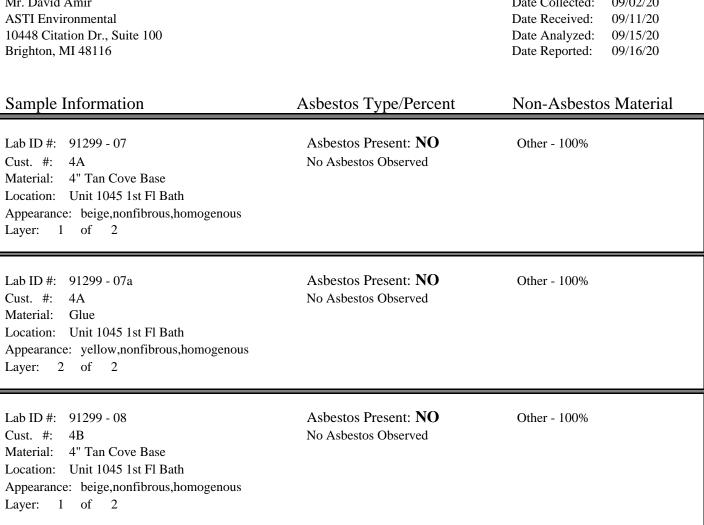
 Date Received:
 09/11/20

 Date Analyzed:
 09/15/20

 Date Reported:
 09/16/20

Test Method, Polarized Light Microscopy (PLM)

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



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Report To: Mr. David Amir ARI Report # 20-91299 Date Collected: 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date Reported:09/16/20
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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Report To: Mr David Amir ARI Report # 20-91299 Date Collected 09/02/20

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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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Report To: Desid ARI Report # 20-91299 4. C.11 00/02/20

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr Douid Amir ARI Report # 20-91299 Data Colloctada 00/02/20

Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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%

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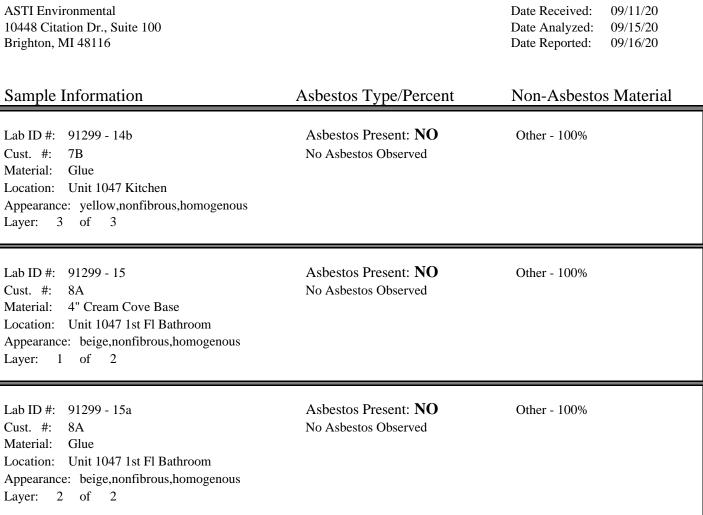


Report To:

ARI Report # 20-91299

Test Method, Polarized Light Microscopy (PLM)

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



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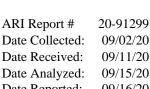
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Test Method, Polarized Light Microscopy (PLM)

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 #20-91299Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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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Test Method, Polarized Light Microscopy (PLM)

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

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/15/20Date 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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20-91299

ARI Report #

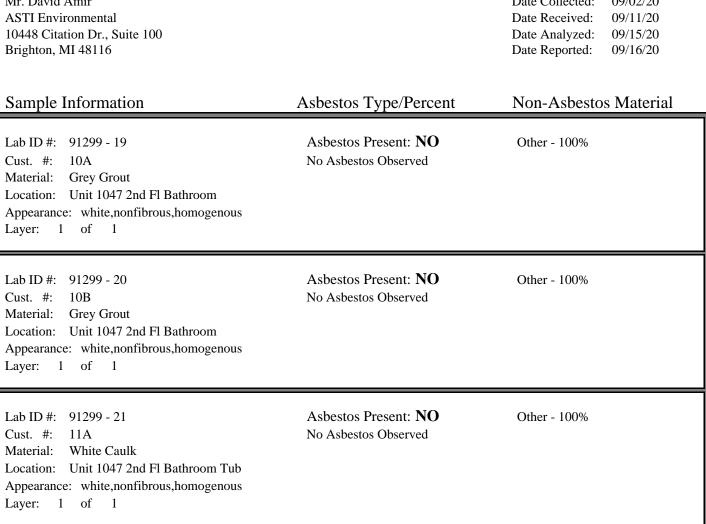
APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Page 13 of 16

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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Report To: Mr. David Amir ARI Report # 20-91299 Date Collected: 09/02/20 Test Method, Polarized Light Microscopy (PLM)

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

Certificate of Laboratory Analysis

Asbestos Present: NO Other - 100% No Asbestos Observed Location: Unit 1047 2nd Fl Bathroom Tub Appearance: white, nonfibrous, homogenous

Asbestos Present: NO

Asbestos Present: NO

No Asbestos Observed

No Asbestos Observed

Asbestos Type/Percent

Lab ID #: 91299 - 23 Cust. #: 12A Material: White Kitchen Counter Caulk Location: Unit 1049 Kitchen Appearance: white, nonfibrous, homogenous Layer: 1 of 1

Lab ID #: 91299 - 24 Cust. #: 12B White Kitchen Counter Caulk Material: Location: Unit 1049 Kitchen Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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

Sample Information

11B

of 1

White Caulk

1

Lab ID #: 91299 - 22

Cust. #:

Material:

Layer:

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

Non-Asbestos Material

Other - 100%

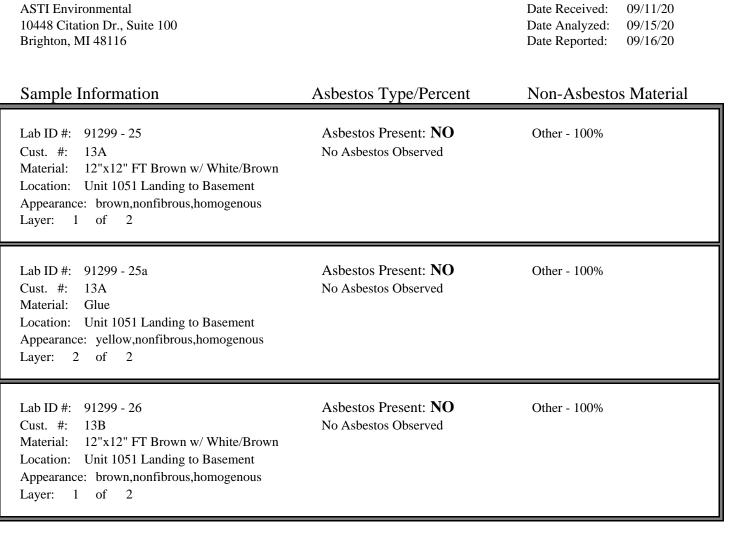
Other - 100%

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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20-91299

09/02/20

ARI Report #

Date Collected:

Test Method, Polarized Light Microscopy (PLM)

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

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/15/20Date 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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Report To: Mr. David Amir ARI Report # 20-91299 Date Collected: 09/02/20

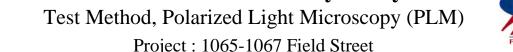
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Received By: <u>SEP 11 2020</u> Time/Date: <u>DECC 19</u> APEX RESEARCH	RECEIVED				 ILLA KOOMMA Ked Asphalt Shingle	> ?		ISA 19% DATE AS	Material/Loc:	TEM: Bulk/NOB	TTP Ves / no Mold: Bulk	••	(sbestos:	Te)"Tems and conditions on the other side.	n, Michigan 48 116	mental		APEX Research, Inc.	
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Project : 1065-1067 Field Street Project # :3-11284



Report To: Date Collected: Mr. David Amir 09/02/20 ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91304 - 01 Asbestos Present: NO Cellulose - 20% Cust. #: No Asbestos Observed Other - 80% 1A Material: Drywall Location: Unit 1065 Appearance: white, fibrous, nonhomogenous Layer: of 1 2 Asbestos Present: NO 91304 - 01a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 1A Material: Joint Compound Location: Unit 1065 Appearance: white, nonfibrous, homogenous Layer: 2 of 2 Lab ID #: 91304 - 02 Asbestos Present: NO Cellulose - 20% No Asbestos Observed Other - 80% Cust. #: 1**B** Material: Drywall Location: Unit 1067 Appearance: white, fibrous, nonhomogenous Layer: 1 of 2

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

Robert T. Letarte Jr., Laboratory Director

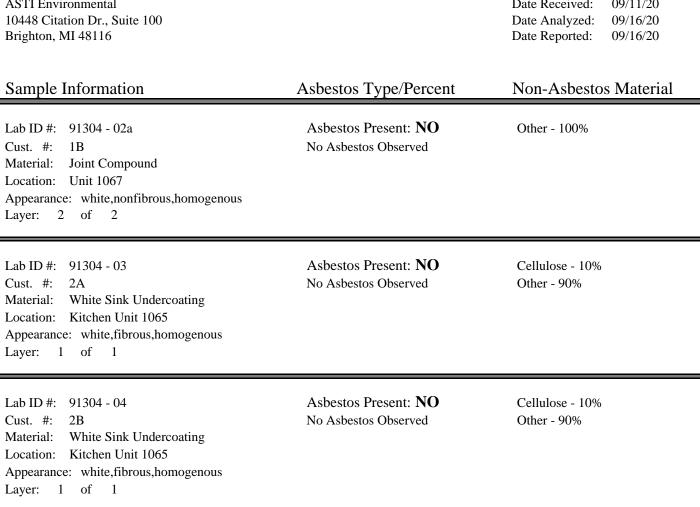
Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested 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.



ARI Report # 20-91304

Test Method, Polarized Light Microscopy (PLM)

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



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

Robert T. Letarte Jr., Laboratory Director

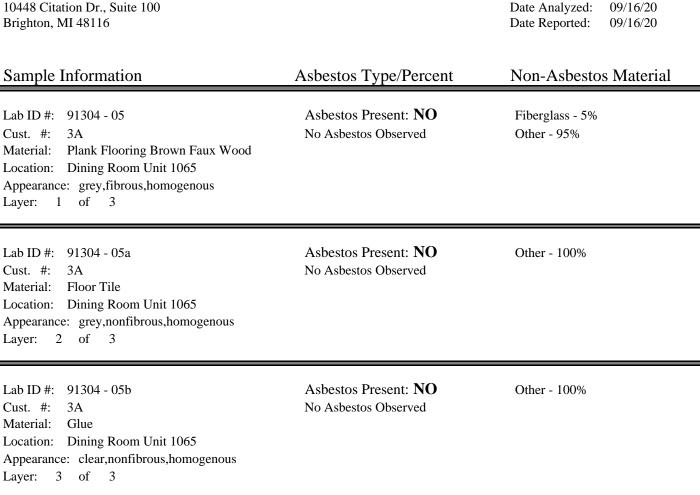
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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91304 Date Collected: 09/02/20 Date Received: 09/11/20

Test Method, Polarized Light Microscopy (PLM)

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



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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

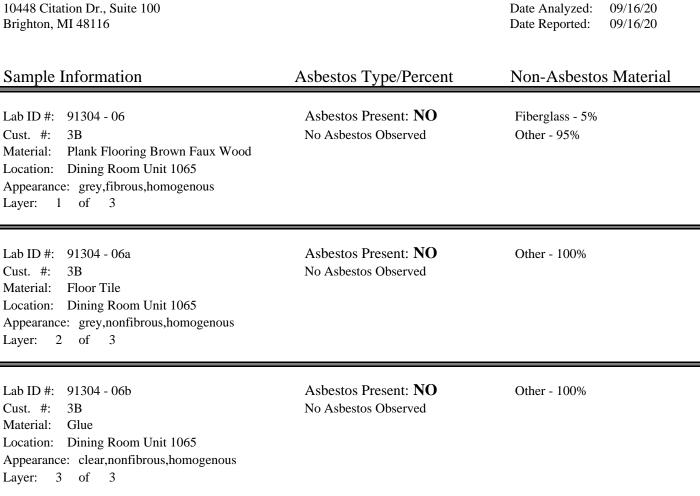
 Date Received:
 09/11/20

 Date Analyzed:
 09/16/20

 Date Reported:
 09/16/20

Test Method, Polarized Light Microscopy (PLM)

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



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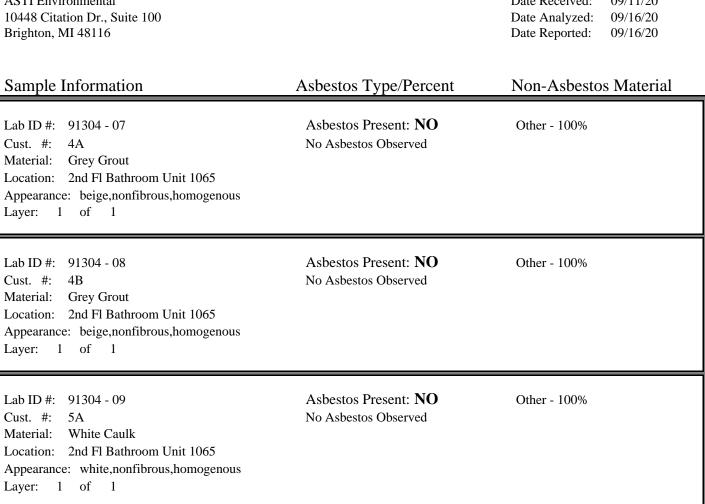
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APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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



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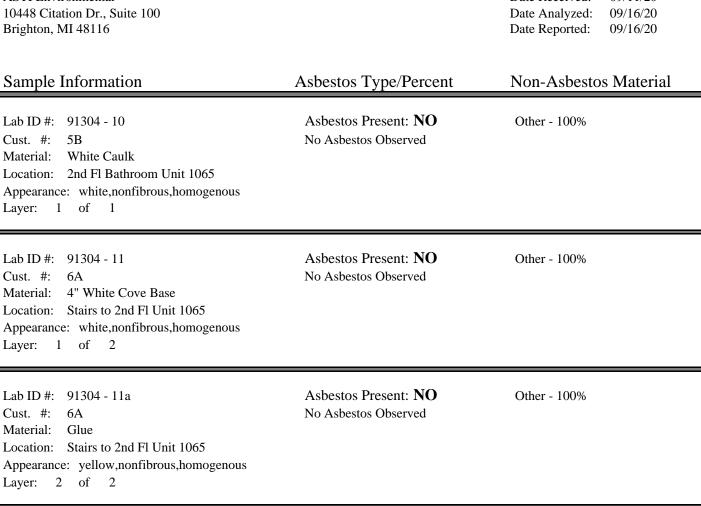
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Test Method, Polarized Light Microscopy (PLM)

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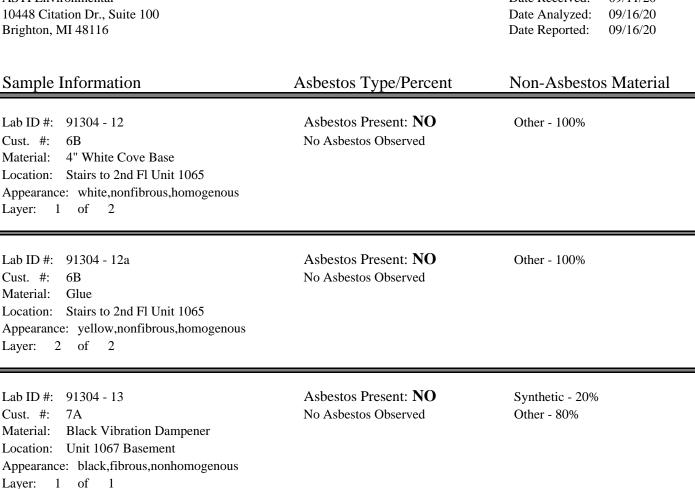
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Test Method, Polarized Light Microscopy (PLM)

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



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Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 1
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 20-91304

 Date Collected:
 09/02/20

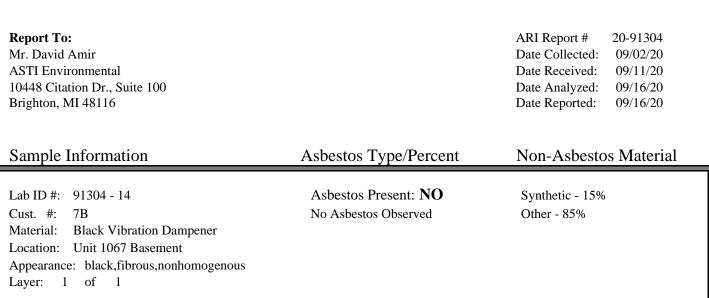
 Date Received:
 09/11/20

 Date Analyzed:
 09/16/20

 Date Reported:
 09/16/20

Test Method, Polarized Light Microscopy (PLM)

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



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

Lab ID #: 91304 - 15a

8A

2 of

Glue

Location: Unit 1067 1st Fl Bathroom Appearance: yellow,nonfibrous,homogenous

2

Cust. #:

Material:

Layer:

Other - 100%

Asbestos Present: **NO** No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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Location: Unit 1067 Dining Room

Layer:

1 of

Appearance: brown,nonfibrous,homogenous

2

Report To:

Mr. David Amir

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

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

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/16/20Date 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	Asbestos Present: NO No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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20-91304

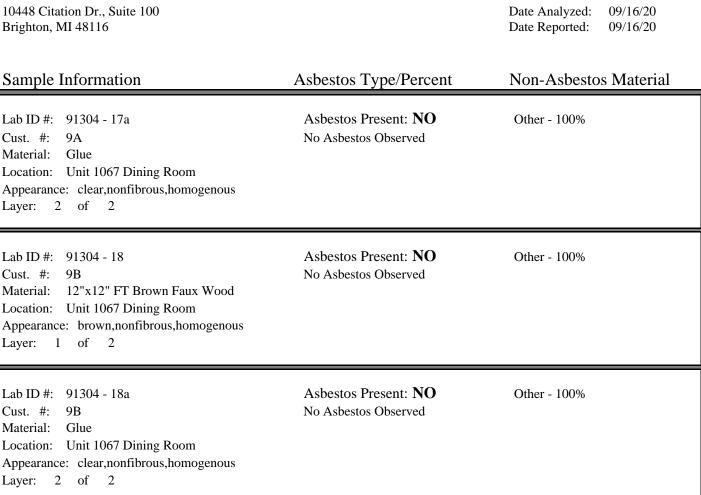
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Test Method, Polarized Light Microscopy (PLM)

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



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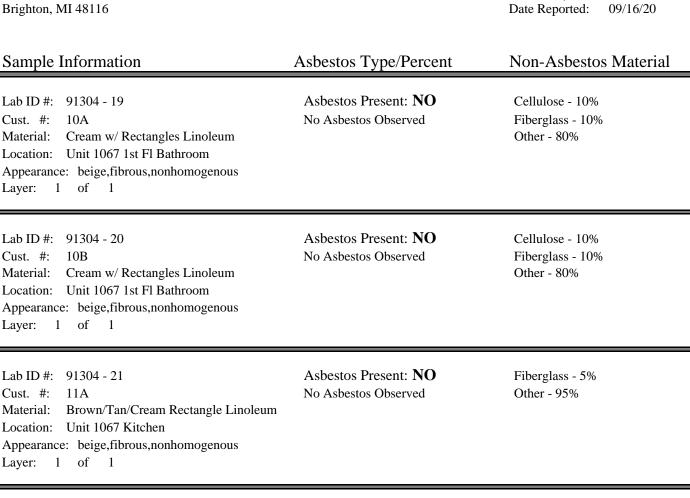
 Date Analyzed:
 09/16/20

 Date Reported:
 09/16/20

Project : 1005-1 Project #

Test Method, Polarized Light Microscopy (PLM)

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



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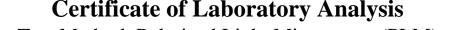
 Date Analyzed:
 09/16/20

 Date Reported:
 09/16/20

Report To:

Test Method, Polarized Light Microscopy (PLM)

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



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

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

Location: Unit 1067 Closet Near Entry Appearance: clear, nonfibrous, homogenous

2

Layer:

2 of

Robert T. Letarte Jr., Laboratory Director

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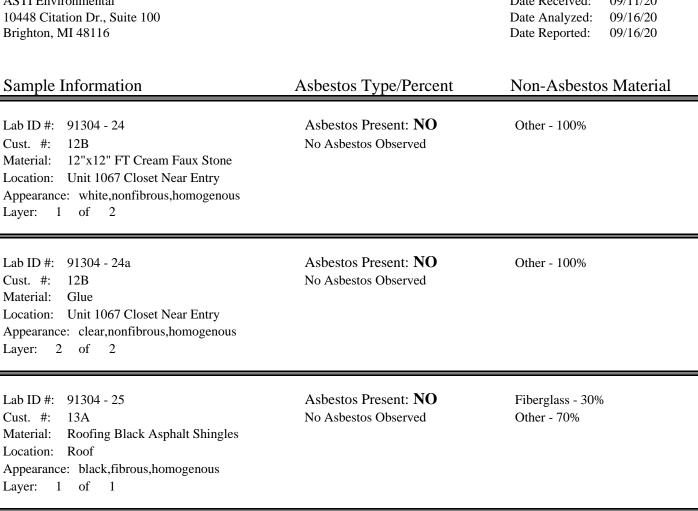


Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116

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

Test Method, Polarized Light Microscopy (PLM)

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



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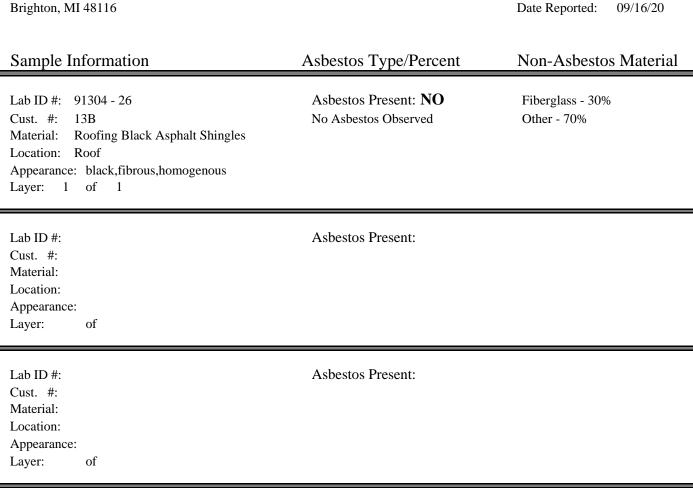
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Test Method, Polarized Light Microscopy (PLM)

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



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 Date Received:
 09/11/20

 Date Analyzed:
 09/16/20

 Date Reported:
 09/16/20

Activity of the second second	NI		-												Lab ID Cust	samples received arter spm logged in next morning	Other:	48 hour	Rush	Turn Around Time: (Circle One)"Terms and conditions on the other side.	Phone: <u>310.225, 2800</u>	City, St., Zip: Brighton, Michgan	Address: 10448 Citation Drive	Customer Name: <u>AST</u>		91304	
	Land	\$	60	6A	5B	5.A	413	LIA	96	3A	28	24	1B	Ţ	Customer ID #	(i est i ill Positive)	- TTP VES / no	72 hour	24 hour	sircle one)•••теm	2800	ghton, mi	Citation.	ASTI EN	·	1054 Hi Tee	
APEX RESEARCH	Received By: <u>SEP 11 2020</u> Time/Date: <u>SEP 11 2020</u>	RECEIVED		HI White coverage	terp.	while caulk 1 and	. (Gray grout 12nd		Plank flooring Brow	erentar.	white sink under	1 . Y	Dywall + Joint conjourd	- Material/Location	TEM:	io Mold:	Lead / Cad / Chrome:	Asbestos:	s and conditions on the other side.	Fax: <u>\$16.725.3800</u>	chigan 48116		mental		APEX F	
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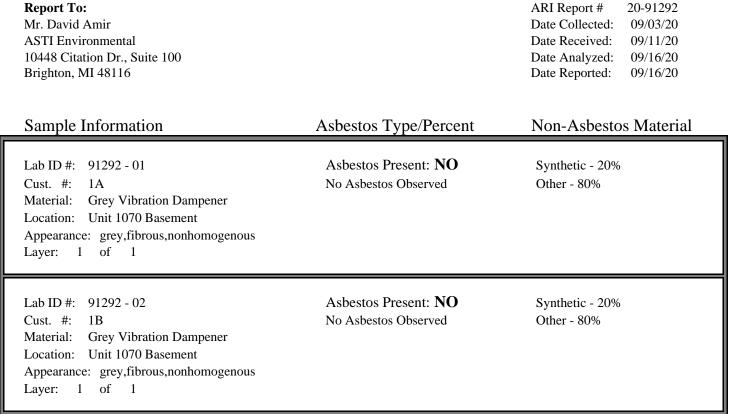
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	Relinquished By: Date: <u><u><u></u></u> - <u>G</u> - <u>G</u> Revision R4 Date: May/2017</u>							Lab ID	Q 304 1 Customer Name: AS Address: 10448 C:+ Address: 10448 C:+ City, St., Zip: Brighte Phone: <u>810.225, 2800</u> Turn Around Time: (circle o Rush 24 48 hour 22 Other: T1 Samples received after 3pm T1
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20f3 pages	" Received By: Time/Date:	me / whit 1067 closetnes	em Lindleum/ unit 1067	mit 1067 1st Plod Bathroom	wood / unit 1067 Dining com	+ LSt Floor Bathloom	Basement	Volume Area Results	Research, Inc.Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.comDate of Survey: 92.2020 Project: $1065 - 1067$ Field StreatProject: 1067 StreatProject: 10667 StreatProject: 1067 Streat
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Project # $3-11264$ Log T rield Street Log In: Contact Person: $\underline{1:11 Tinstey} / \underline{David} / \underline{Amir}$ Report Email: $\underline{J+insley} @ \underline{asti-env} & damir @ \underline{Amir} $	x(734) 449 - 9991 wm 9-2-2020	

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284



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.

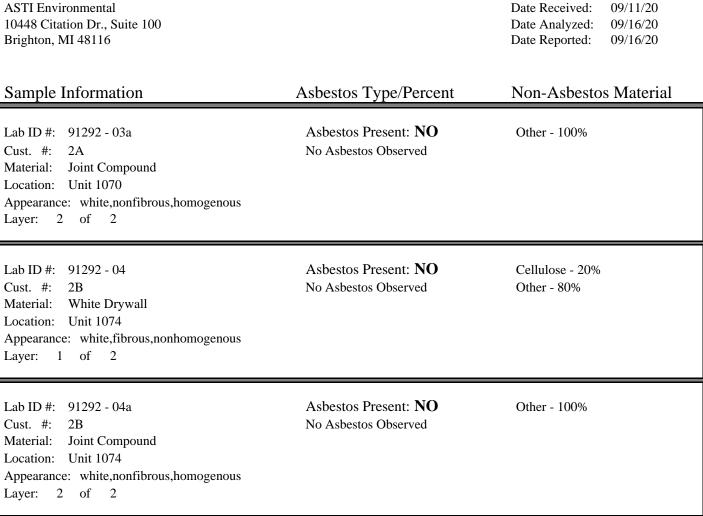
Robert T. Letarte Jr., Laboratory Director

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Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284



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Report To: Mr. David Amir

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/10/20Date Received:09/11/20Date Analyzed:09/16/20Date 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%

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Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91292 - 07a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4A Material: Glue Location: Unit 1070 Dining Room Appearance: clear, nonfibrous, homogenous Layer: of 4 2 Asbestos Present: NO 91292 - 07b Other - 100% Lab ID #: Cust. #: No Asbestos Observed 4A Material: Brown Floor Tile Location: Unit 1070 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 3 of 4 Lab ID #: 91292 - 07c Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 4A Material: Glue Location: Unit 1070 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4

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.



Report To: Mr. David Amir

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284



ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/16/20Date 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%

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

Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91292 - 08c Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 4BMaterial: Glue Location: Unit 1070 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: of 4 4 Asbestos Present: NO 91292 - 09 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 5A Material: 4" Tan Cove Base Location: Unit 1070 Bath 1st Fl Appearance: brown, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 91292 - 09a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 5A Material: Glue Location: Unit 1070 Bath 1st Fl Appearance: yellow,nonfibrous,homogenous 2 of Layer: 2

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Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir

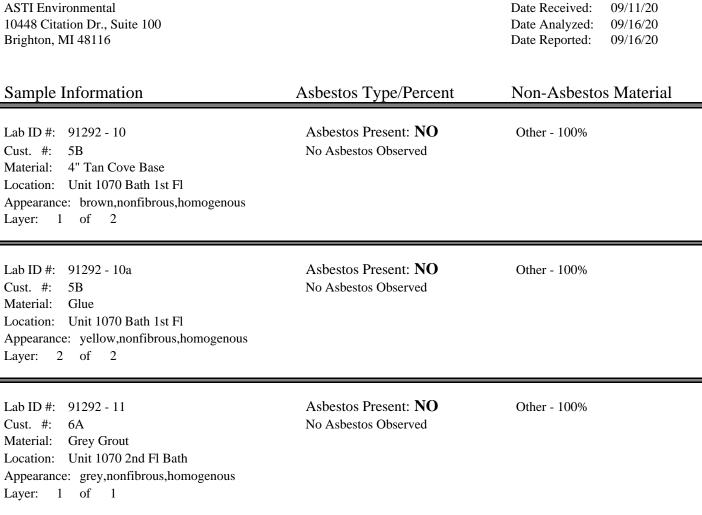
Report To:

Mr. David Amir

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284



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ARI Report #

Date Collected:



20-91292

09/03/20

Report To:

Mr. David Amir

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91292 - 12 Asbestos Present: NO Cellulose - 1% Cust. #: No Asbestos Observed Other - 99% 6B Material: Grey Grout Location: Unit 1070 2nd Fl Bath Appearance: grey, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO 91292 - 13 Other - 100% Lab ID #: Cust. #: No Asbestos Observed 7A Material: White Caulk Location: Unit 1070 2nd Fl Bath Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91292 - 14 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 7BWhite Caulk Material: Location: Unit 1070 2nd Fl Bath Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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

Robert T. Letarte Jr., Laboratory Director

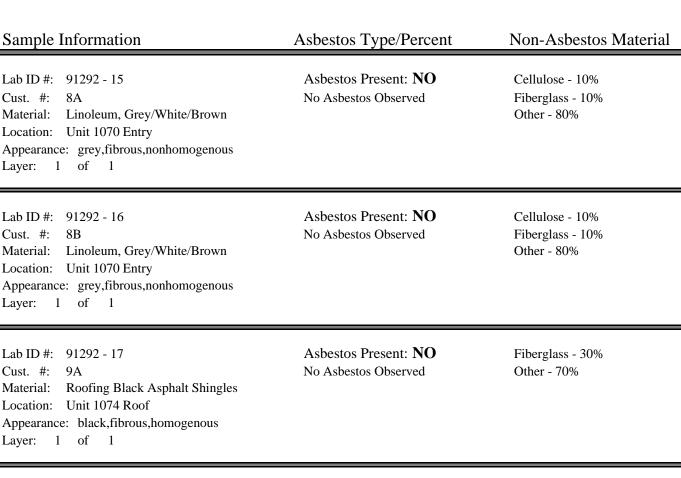
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ARI Report # 20-91292 Date Collected: 09/03/20 Date Received: 09/11/20



Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284



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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

of

Report To:

Material: Location: Appearance: Layer:

Mr. David Amir

ASTI Environmental

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1070-1074 Field Street Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Date Reported: Brighton, MI 48116 09/16/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91292 - 18 Asbestos Present: NO Fiberglass - 30% Cust. #: No Asbestos Observed Other - 70% 9B Material: **Roofing Black Asphalt Shingles** Unit 1074 Roof Location: Appearance: black,fibrous,homogenous Layer: of 1 1 Asbestos Present: Lab ID #: Cust. #: Material: Location: Appearance: Layer: of Lab ID #: Asbestos Present: Cust. #:

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

Robert T. Letarte Jr., Laboratory Director

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20-91292

09/03/20

09/11/20

ARI Report #

Date Collected:

Date Received:

	Relinquished By: A. Jonaluy R Date: 9-9-2020 T Revision R4 Date: May/2017	- 6B	56	T OP	8h 4h	38	1 K	2A	18		Lab ID Customer ID #	91292 11054 Hi Tech Drive, Whitmore Lake Customer Name: ASTI Environ mended Address: 10448 Citation Drive City, St., Zip: Brighton, Michigan 48 116 Phone: <u>810.225, 2800</u> Fax: <u>810.225.3</u> : Turn Around Time: (circle one) Terms and conditions on the other side. Rush 24 hour 48 hour 24 hour 48 Other: 11P (Ces) / no 48 Samples received after 3pm (Test Till Positive) 47
APEX RESEARCH	Received By:			1417 1070	12's 12' Alour tile Brown backet weave	white sine undercoat / unit is to	11 /anit 1074	White Drywall & Joind compound /	urang in pration Dampener Munit 1070	اد		APEX F , MI 48189. P
1072 page	Received By:	Beatr	\ \	n 1st floor	lant 1070 Diring room	O Kisahan		0F01 find) Basement	Volume Area Re		Research, Inc. None: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com Image: Contact Person: Total and the state of Survey: Total and the state of Surv
										Results	Other	Lab Use Only Log-In: Report: Fax: Email: Bulk Tape

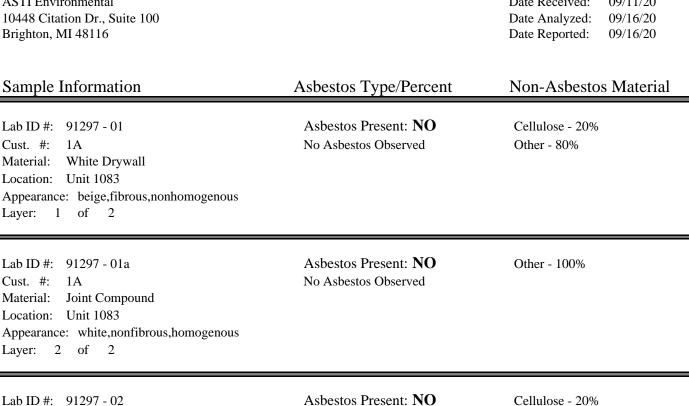
Apex #

	Relinquished By: Date: <u><u>J-9</u>, <u>J</u> Revision R4 Date: May/2017</u>												Samples received after 3pm logged in next morning	Other:	48 hour	RUSN		Turn Around Time: Icircle o	City, st., Zip:	Address: 164	Customer Name: AST1		7671.G	うとうつう
	Dinduz				98	4 M	20	418 14 8	CL -	H-H-	Customer ID #	2	om (Test Till Positive)		72 hour	24 hour	IIIe. (Groe Ore)	LO. 2800	City, St., 21p: <u>prighton, michigan</u>	Address: 10448 Citation			2	Page
AFEA REJEARCH	Received By: <u>SEP 11:2020</u> Relin Time/Date: <u>b/ 0800</u> Date:	RECEIVED			11	Ruding Black asphalt shingles		Lindleum - gray, while forow		White Cauld I Unit 1070	Material/Location		TEM·	Mold:	Lead / Cad / Chrome: Wipe ASTM E	Asbestos: Bulk 🗡	Circle analy	008	911 31	Drive Project #	Environmental Date of Survey:	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 4	APEX Research, Inc.	
2 of 2 pages	Relinquished By: Re Date: Tir					es/ 4/ 1074 Roof		Junit 1070 Entry		and FI Berth	Volume Area	LICOL /402 EPA			Wipe ASTM E1792? circle YES or NO Air	- Wipe Point Count	d, indicate type and	ast i - env. com	Contact Person: Jill Tinsley / David	3-11-284 Field	Irvey: 9-3-2020	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	h, Inc.	
	Received By: Time/Date:										Results	EPA Level II Other	BIOSIS Tape		Paint	РСМ		mir Basti-env.ca	d Amir Fax:	Street Log-In:	Lab Use Only	exMI.com		

Apex #

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284



No Asbestos Observed

Cust. #: 1B Material: White Drywall Location: Unit 1085 Appearance: beige,fibrous,nonhomogenous Layer: 1 of 2

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

Robert T. Letarte Jr., Laboratory Director

Other - 80%

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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91297 Date Collected: 09/02/20 Date Received: 09/11/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284

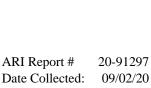
Mr. David Amir ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91297 - 02a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 1B Material: Joint Compound Location: Unit 1085 Appearance: white, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 91297 - 03 Other - 100% Cust. #: No Asbestos Observed 2A12"x12" FT Tan/Cream/Brown Faux Stone Material: Location: Unit 1083 Kitchen Appearance: beige, nonfibrous, homogenous of Layer: 1 4 Lab ID #: 91297 - 03a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 2A Material: Mastic Location: Unit 1083 Kitchen Appearance: clear, nonfibrous, homogenous Layer: 2 of 4

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

Robert T. Letarte Jr., Laboratory Director

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Report To:

Page 2 of 13

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Page 3 of 13

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/16/20Date 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 e	Other - 100%

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

Report To:

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.



20-91297

ARI Report #

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/16/20Date 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%

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

Report To:

Robert T. Letarte Jr., Laboratory Director

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20-91297

ARI Report #

Material:

Layer:

Location: Unit 1083 Kitchen

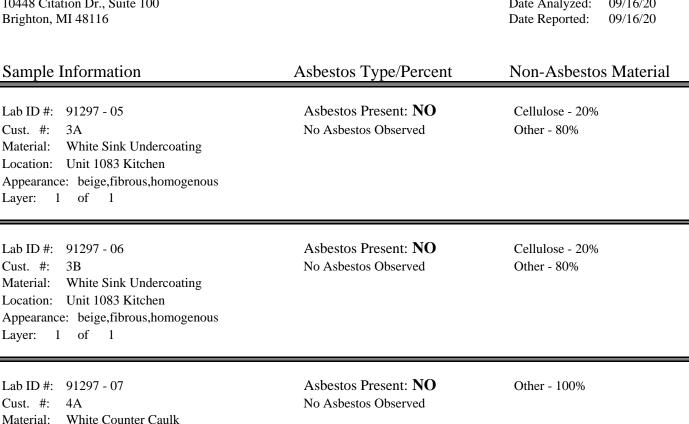
1 of 1

Appearance: white, nonfibrous, homogenous

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

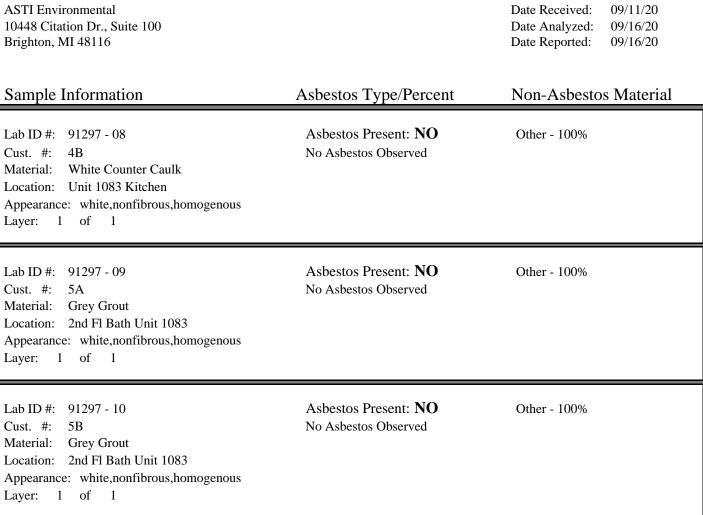
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Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 20-91297 Date Collected: 09/02/20 Date Received: 09/11/20 Date Analyzed: 09/16/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

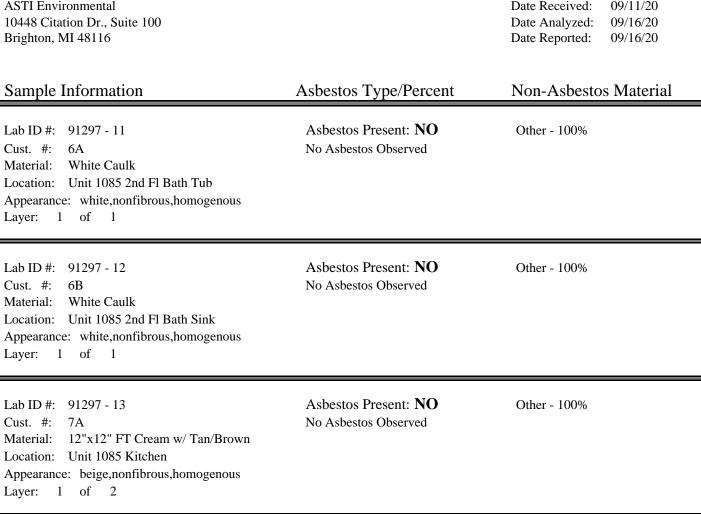
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Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284



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Report To: Mr. David Amir ASTI Environmental ARI Report # 20-91297 Date Collected: 09/02/20 Date Received: 09/11/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/16/20Date 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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Report To:

ARI Report # 20-91297

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284 Report To: ARI Report # 20-91297

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/16/20Date 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%

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

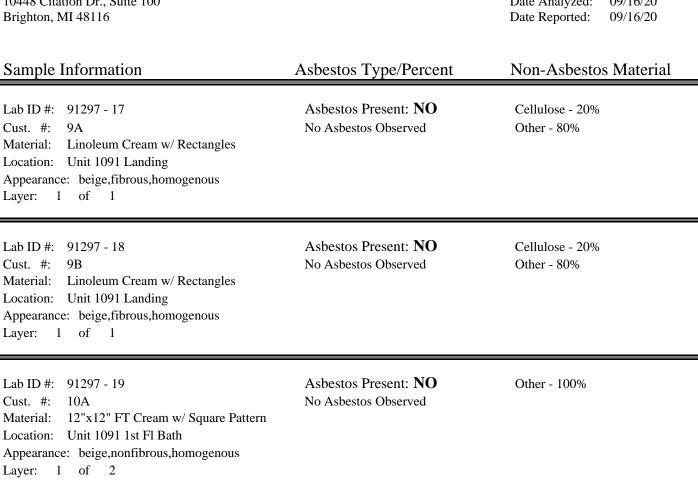
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Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284



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Robert T. Letarte Jr., Laboratory Director

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Report To: Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116
 ARI Report #
 20-91297

 Date Collected:
 09/02/20

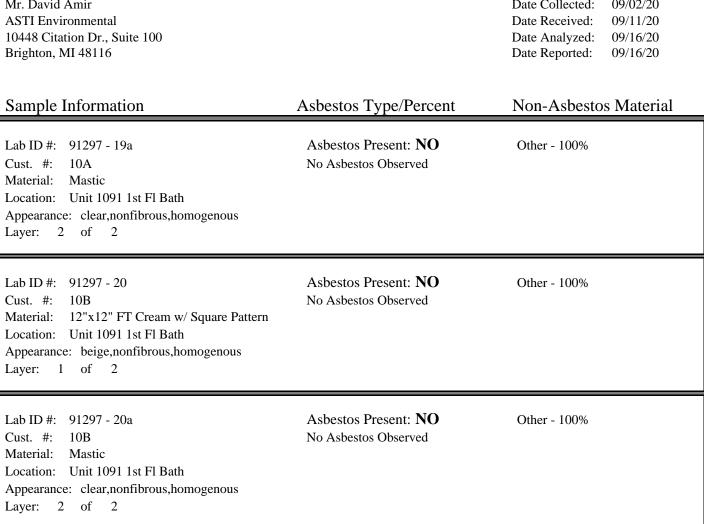
 Date Received:
 09/11/20

 Date Analyzed:
 09/16/20

 Date Reported:
 09/16/20

Test Method, Polarized Light Microscopy (PLM)

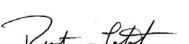
Project : 1083-1091 Field Street Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

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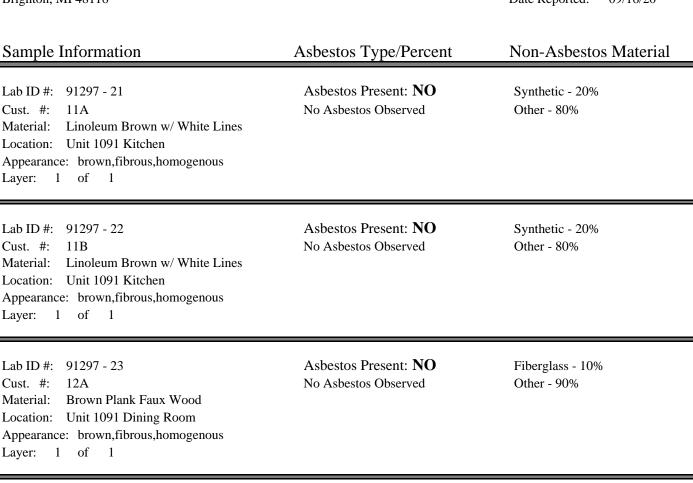




Report To: Mr. David Amir

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284



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Robert T. Letarte Jr., Laboratory Director

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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

Report To:

Certificate of Laboratory Analysis

Test Method, Polarized Light Microscopy (PLM)

Project : 1083-1091 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/02/20Date Received:09/11/20Date Analyzed:09/16/20Date 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%

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

Robert T. Letarte Jr., Laboratory Director

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20-91297

ARI Report #

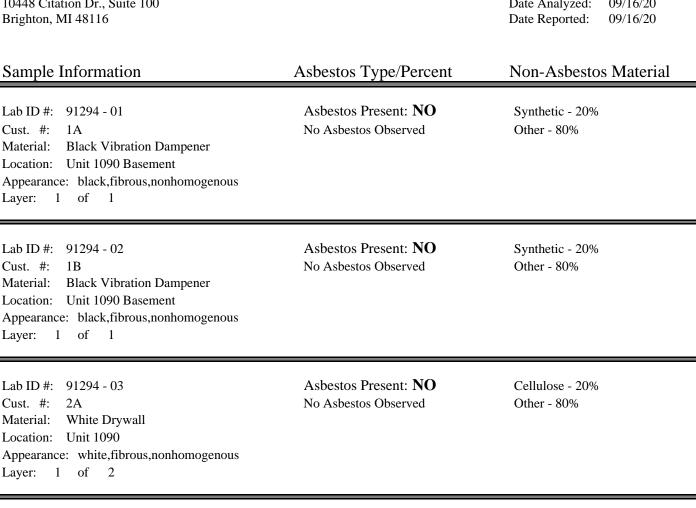
	Relinquished By: A. Junster Date: <u>7-8-7-20-70</u> Revision R4 Date: May/2017		A ~	VI 9	50	SP	10	4H	38	A.C.	2B	42	B	M.L.	Lab ID Customer ID #	logged in next morning	received after 3pm	Other: TTP	48 hour 72 hour	Rush 24 hour	I UFIN AFOUND I IME: (CIFCIE ONE) "Tems and conditions on the other side	Phone: <u>310.225,2800</u>	M N	Address: 10440 Citation	Customer Name: ASIT E		91297
APEX RESEARCH	Received By: NECEIVED Time/Date: <u>SEP 11 2020</u>	4		2	- 	Gray grout I and -	16.3 data	white counter caulk I unit		white sink undercention		12"×12" floor tite ran creas	11 UNIT 1085	& Daywall + Joint	Material/Location	iem: Bulk/NOB	HICIG.	Mola-	Lead / Cad / Chrome: Wipe	Asbestos: Bulk		008	911 34		Nironmental	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone:	APEX Res
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pages	Received By: Time/Date:									~		unit 1083 Kitchen			ea Results	EPA Level II Other	BioSIS Tape		Paint	PCM	nd quantity Email:	I damir Basti-envico	David Amir Fax:		I Street Log-In:	v.ApexMI.com	

	Relinquished By: J. Maley Date: <u><u>J. S. 2020</u> Revision R4 Date: May2017</u>	1. 125	1	N.C.I.	NA	I A	BQ(16 A	9B	A IA	98	Ø.S	2F	N+F.	Lab ID Customer ID #		Samples received after 3pm (Test Till Positive)	ч		Around Time: (circle	Phone: <u>810.225.2800</u>	City, St., Zip: <u>Brighton, Michigan</u>	Address: 10448 Citation	: AST2			
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2 of 3 page	Receiped By: Receiped By: Receiped By: Time		MOONDY (In 1 P)			terrel restands lunit		e pallen / unit 1091		stunit 1091 Landing		Bath unit 1085		own streaks / unit 1055	Volume Area	NIOSH 7402 EPA Level II	Air/Zefon/AlergencoD	27 circle YES or NO Air	Wipe Point Count _	l, indicate type and	asti-env.com /	son: Jill Tinsley / David Amir	3-11-284	3-1091 Field	9990, Fax (734) 449 - 9991 www.ApexMI.com	Inc.	
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Relinquished By: Q. Instant Date: 9-8-2020 Revision R4 Date: May/2017								Lab ID	logged in next morning	Other:	48 hour	Kush	i urh Around Tin	Phone: <u>810.225.2800</u>	City, St., Zip:	Address: 10448	Customer Na	1215	04007
						1313	13A	Customer ID #		m (Test Till Positive)	72 hour	24 hour	ne: (circle one )	25,2800	City, St., Zip: Brighton, Michigan	Address: 10448 Citation Drive	ma. ACTT E	J 11054 Hi Te	Page
Received By: SEP 11 2020 Time/Date: <u>BC CCC</u> APEX RESEARCH	RECEIVED					11	Roofing Red Asphalt Shingles	Material/Location	TEM:		Lead / Cad / Chrome:	Asbestos:	I UP AFOUND TIME: (CIFC/E ONE) "Terms and conditions on the other side.	Fax: <u>\$10.725.3800</u>	chigan 48116	Drive		APEX 11054 Hi Tech Drive, Whitmore Lake, MI 48189.	
Relinquished By: Date:							F Shingles 12007	cation	Bulk/NOB	Bulk Air/Z	Wipe ASTM E1792? circle YES or NO	Bulk X Wipe	Circle analyses required, indicate type and quantity	Email: Jtinsley@	ω.	Project: <u>108 3 - 1</u>	Date of Survey:	APEX Research, Inc. MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	
3 0 5								Volume	NIOSH 7402	Air/Zefon/AlergencoD			red, indicate t		ill Tinsteu	1091	9-2-2020	x (734) 449 - 99 <u>9</u>	
Received By: Time/Date: { 3 pages								Area	EPA Level II		Air P	Point Count	/pe and quan	com /dam	1 David Amir	Field street	02	1 www.ApexMI.	
d By:				•				Results	II Other	BioSIS Tape	Paint Bulk	PCM	tity Email:	asti-env.com /damir &asti-envconvertal			Lab Use Only	10M	

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

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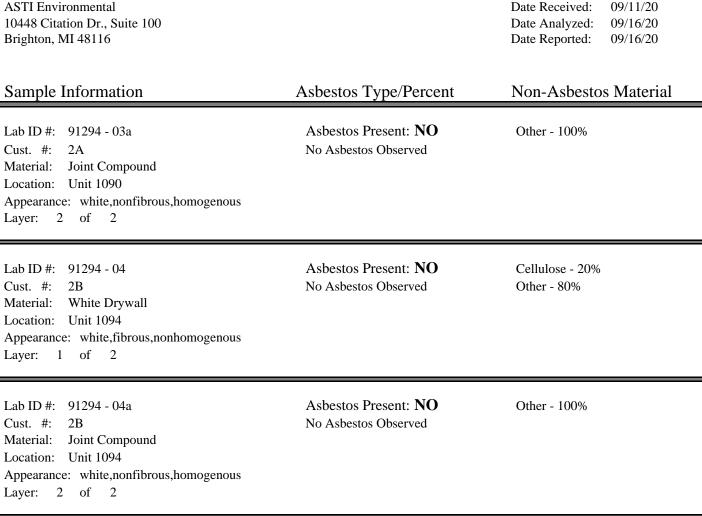


Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 ARI Report # 20-91294 Date Collected: 09/03/20 Date Received: 09/11/20 Date Analyzed: 09/16/20

**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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**Report To:** Mr. David Amir ASTI Environmental ARI Report # 20-91294 Date Collected: 09/03/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 5% Other - 95%

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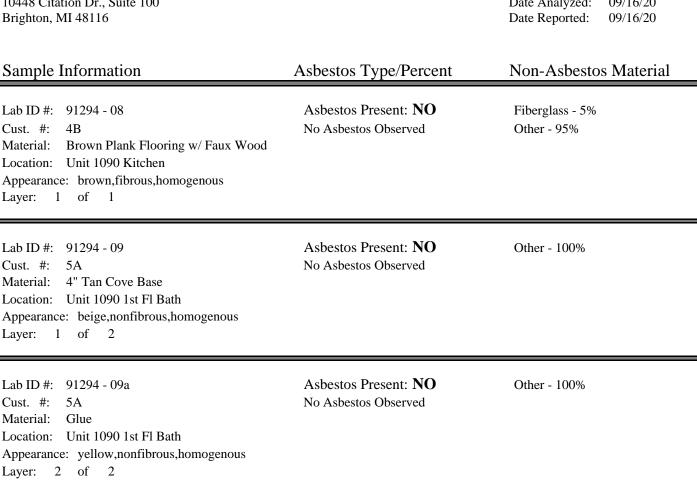
Mr. David Amir

**Report To:** 

ARI Report # 20-91294 Date Collected: 09/03/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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 ARI Report #
 20-91294

 Date Collected:
 09/03/20

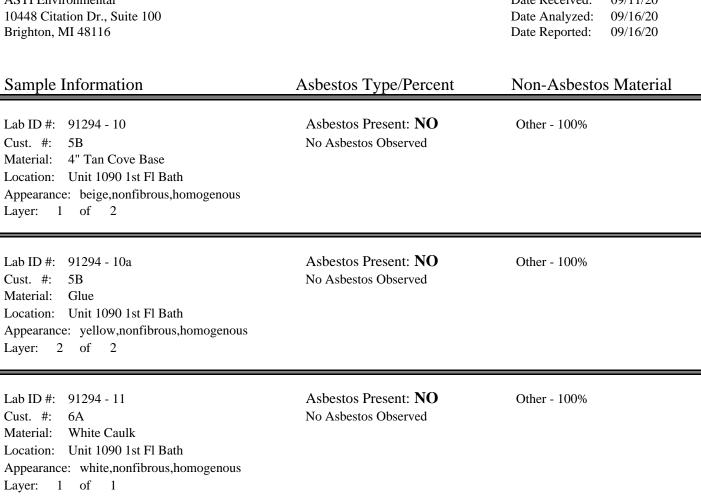
 Date Received:
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Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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 09/11/20

 Date Analyzed:
 09/16/20

 Date Reported:
 09/16/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 5% Other - 95%

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

Robert T. Letarte Jr., Laboratory Director

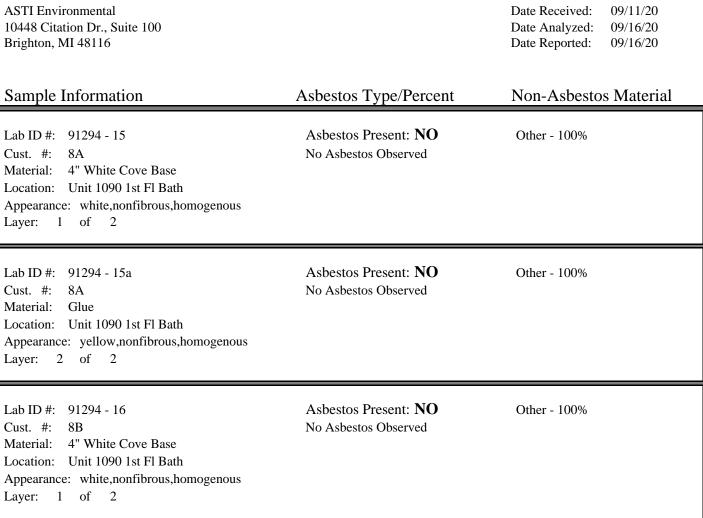
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Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/03/20Date Received:09/11/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Other - 100%

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Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 09/16/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91294 - 17b Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 9A Material: Pink Floor Tile Location: Unit 1094 Dining Room Appearance: pink,nonfibrous,homogenous Layer: of 4 3 Asbestos Present: NO 91294 - 17c Other - 100% Lab ID #: Cust. #: No Asbestos Observed 9A Material: Glue Location: Unit 1094 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: of 4 4 Lab ID #: 91294 - 18 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 9B 12"x12" FT Cream/Tan Checkerboard Material: Location: Unit 1094 Dining Room Appearance: white, nonfibrous, homogenous Layer: 1 of 4

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

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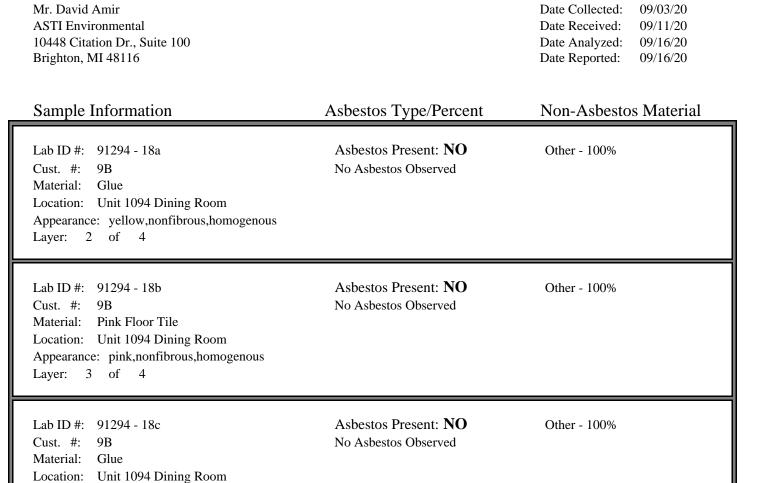


**Report To:** Mr. David Amir ARI Report # 20-91294 Date Collected: 09/03/20 **Report To:** 

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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

Appearance: yellow,nonfibrous,homogenous

4

Layer:

4 of

Robert T. Letarte Jr., Laboratory Director

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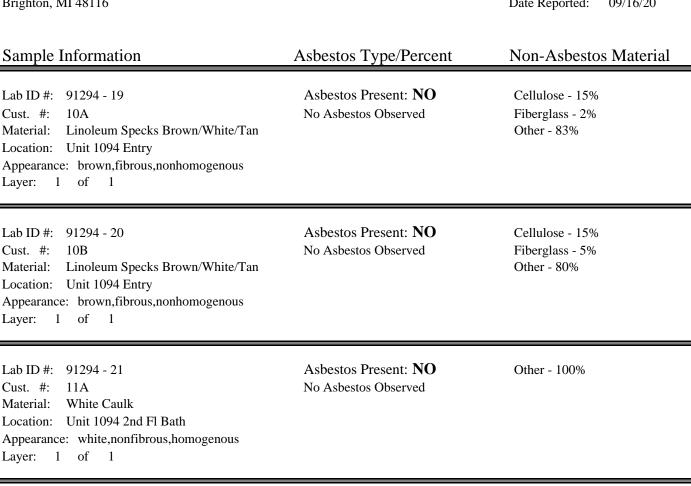


20-91294

ARI Report #

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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 ARI Report #
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 09/16/20

 Date Reported:
 09/16/20

Project · 1090

Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/11/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 Date Reported: 09/16/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91294 - 22 Asbestos Present: NO Other - 100% Cust. #: 11B Material: White Location: Unit 10 Appearance: white Layer: of 1 Lab ID #: 91294 Cust. #: 12A Material: Grey G Location: Unit 10 Appearance: grey Layer: 1 of Lab ID #: 91294 Cust. #: 12B Material: Grey G Location: Unit 10 Appearance: grey, Layer: 1 of

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Page 12 of 13

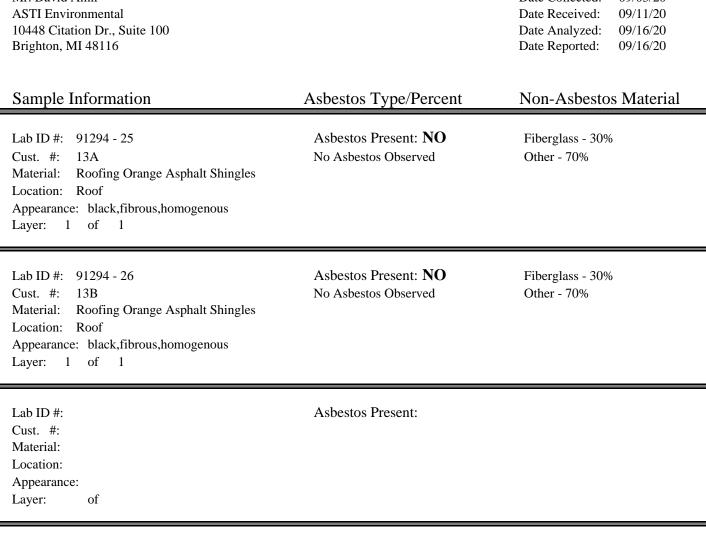
Caulk )94 2nd Fl Bath e,nonfibrous,homogenous 1	No Asbestos Observed		
- 23 Frout 094 2nd Fl Bath nonfibrous,homogenous 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%	
- 24 Frout 994 2nd Fl Bath nonfibrous,homogenous 1	Asbestos Present: <b>NO</b> No Asbestos Observed	Other - 100%	

**Report To:** Mr. David Amir ARI Report # 20-91294 Date Collected: 09/03/20



Test Method, Polarized Light Microscopy (PLM)

Project : 1090-1094 Field Street Project # :3-11284



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.



**Report To:** Mr. David Amir ARI Report # 20-91294 Date Collected: 09/03/20

City, St., Zij Phone: <u>\$10</u>	Name: ASTI E 9448 Citation D: Brighton, M 225,2800 Time: (circle one) 24 hour 72 hour TTP Ves) TTP Ves)	Drive Chigan 48 116 Fax: <u>\$10.225.3800</u> ns and conditions on the other side. Asbestos: Lead / Cad / Chrome: no Mold:	Date of Survey: Project: <u>1090</u> Project # <u>3-11</u> Contact Person: <u>5</u> Email: <u>J+insley</u> Circle analyses required Bulk Wipe Wipe ASTM E1792? circle Bulk Air/2 Bulk/NOB	9-3-7 2-84 <u>2-84</u> <u>11 Tinste</u> <u>@ asti-en</u> <b>lired, indicate</b> e <u>YES or NO</u> Zefon/Alergenc	<u>Field</u> <u>Field</u> <u>y   David</u> <u>y com / da</u> <u>type and qu</u> Point Count Air oD	<u>Amir</u> <u>Amir</u> <u>Amir</u> Easti-en <u>Iantity</u> <u>PCN</u> Paint <u>BioSIS</u>	Email: 1 Bulk Tape
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	3 A	While Surger 1		(X (2))			
	3B	White SINK under	coating / Uhit	1040 k	litchen		
	4A	Brown Plank floori	ra with four r.	and rellem	LINGA		
	4B		Dining Rom	act yatan	11010	Kotchen	
	5A	4" Tan covebas	e land 1090	Istein	Rath		
	5B			<u></u>	1 1041 V		
		White caulk / uni	+ 1090 15+ 11	oor Bath			
	68	REFERENT 1	090 Ind Sloor	Bath			
linquished By: te: ision R4 Date: May/20	1020 -	RECEIVED Received By: Sime/Date: SEP 11 2020 APEX RESEARCH	Relinquished By: Date:		_ Receiv	ved By:	

. C.

Address: [C City, St., Zip Phone: <u>\$10</u> , <b>Turn Around</b> Rush 48 hour Other: Samples received after logged in next mornin	Name: <u>ASTI El</u> <u>9448 Citation</u> D: <u>Brighton</u> , <u>mi</u> <u>225,2800</u> Time: (circle one)Tem 24 hour <u>72 hour</u> TTP <u>Ves</u> (Test Till Positi	Drive Chigan 48 116 Fax: <u>\$10.225.3800</u> ns and conditions on the other side. Asbestos: Lead / Cad / Chrome: no Mold:	Date of Survey: Project: 10 90 Project # 3-11 Contact Person: 2 Email: <u>J+insley</u> Circle analyses required Bulk Wip Wipe ASTM E1792? circle Bulk Air/2	9-3-2 - 1094 284 <u>6 ast i - en</u> <i>lired, indicate</i> e YES or NO	920 <u>y   David</u> <u>v. com / da</u> <u>type and qua</u> Point Count Air 	<u>Amir</u> <u>mir</u> Easti-ea antity PC Paint BioSIS	Email: M Bulk Tape
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1294	Page						
		APEX	Research, Inc		n 2019 - Charlen Charles and Charles a		
	1105471	Tech Drive, Whitmore Lake, MI 48189.	Phone: (734) 449 - 9990,	Fax (734) 449 -	9991 www.Apex	MI.com	
Address: <u>164</u> City, St., Zip Phone: <u>810.7</u> <b>Furn Around T</b> Rush 18 hour Other:	lame: <u>ASTI E</u> <u>H48 Citation</u> Brighton, M 225.2800 Time: (circle one) 24 hour 72 hour TTP (Ves	<u>Aviron mentod</u> <u>Drive</u> <u>Nichigan 48 116</u> <u>Fax: §10.225.3800</u> mms and conditions on the other side. <u>Asbestos:</u> <u>Lead / Cad / Chrome:</u> <u>No Mold:</u>	Date of Survey: Project: <u>1090</u> - Project # <u>3-</u> Contact Person: <u>Email</u> : <u>J+insley</u> Circle analyses required Bulk <u>Vipe</u> Wipe Wipe ASTM E1792? circle	9-3-2 - 1094 F [[284] [[11] Tinste @ ast i -ei lired, indicate e YES or NO	2020 <u>ield strea</u> <u>ey   David</u> <u>nv. com   da</u> <u>e type and qu</u> <u>Point Count</u> <u>Air</u>	et <u>Amir</u> I <u>mi</u> r Easti-e <b>antity</b> PC Paint	Email: CM _ Bulk
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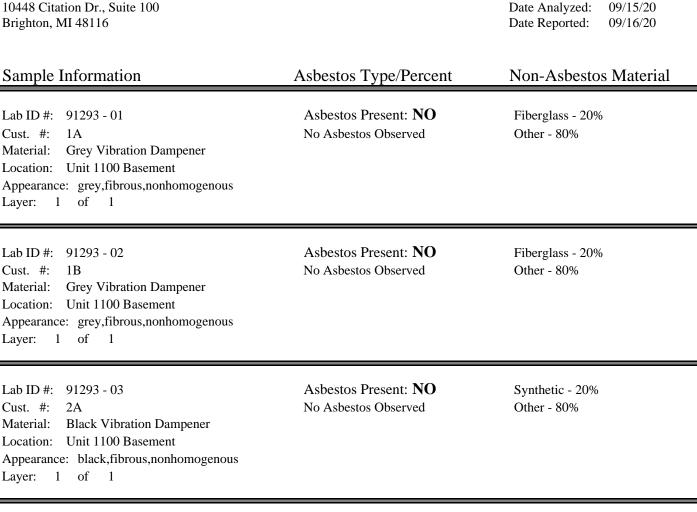
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Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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

Robert T. Letarte Jr., Laboratory Director

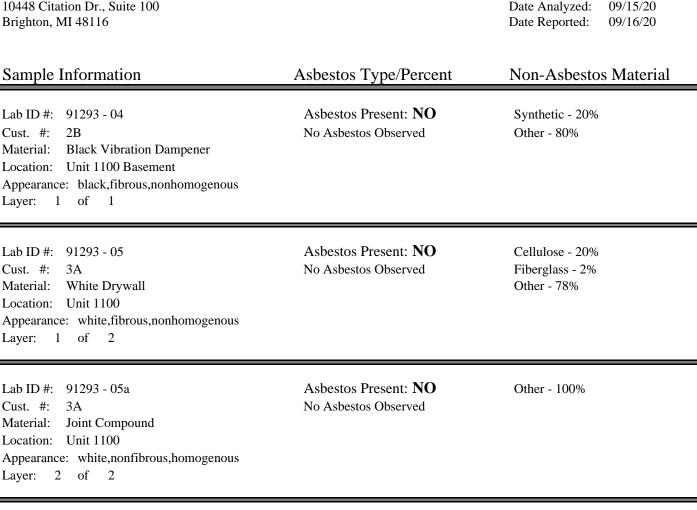
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**Report To:** Mr. David Amir ASTI Environmental ARI Report # 20-91293 Date Collected: 09/03/20 Date Received: 09/11/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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**Report To:** Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116 
 ARI Report #
 20-91293

 Date Collected:
 09/03/20

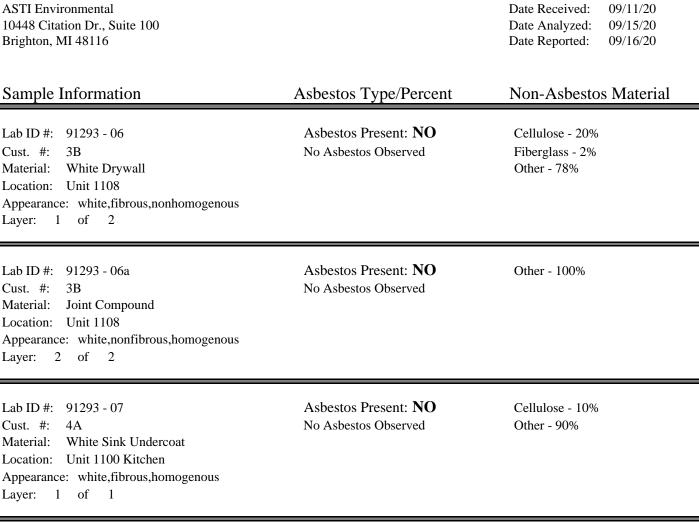
 Date Received:
 09/11/20

 Date Analyzed:
 09/15/20

 Date Reported:
 09/16/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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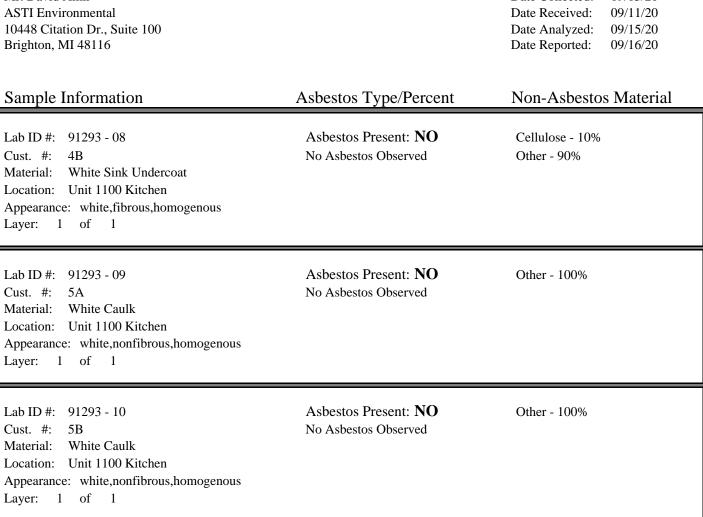
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**Report To:** 

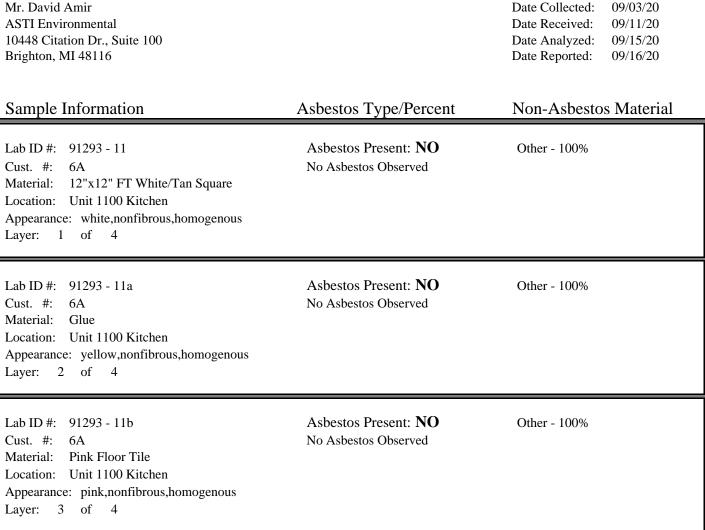
APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

Page 5 of 16

**Certificate of Laboratory Analysis** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



ARI Report # 20-91293 Date Collected: 09/03/20

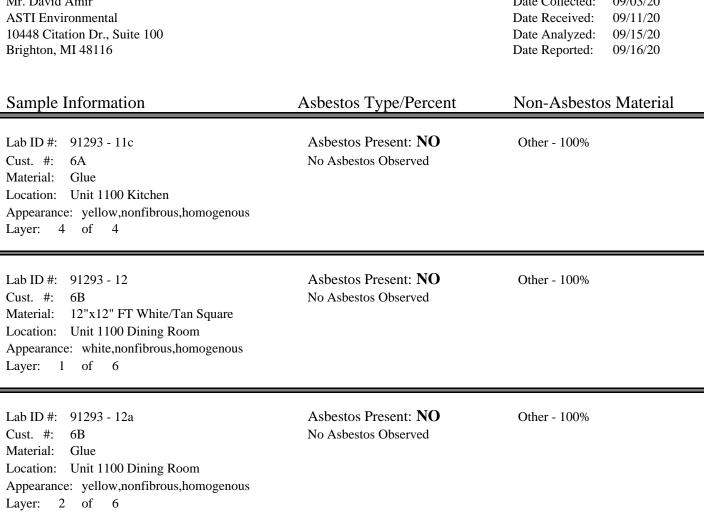


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Project : 1100-1108 Field Street Project # :3-11284



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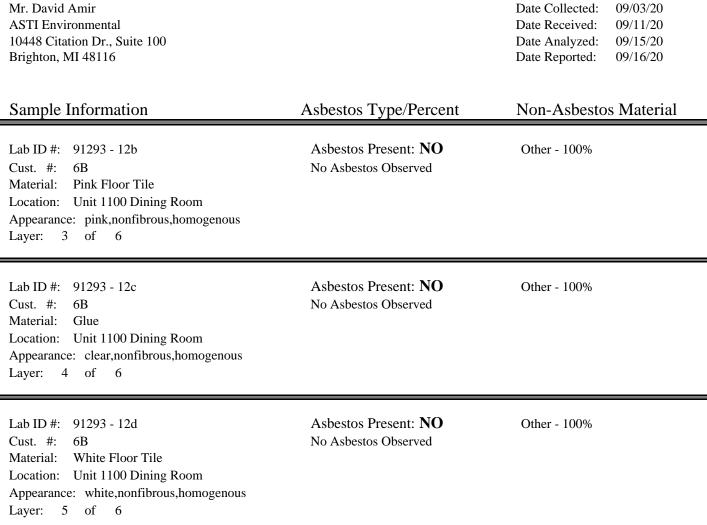
**Report To:** Mr. David Amir ARI Report # 20-91293 Date Collected: 09/03/20

(734) 449-9990, Fax (734) 449-9991

## **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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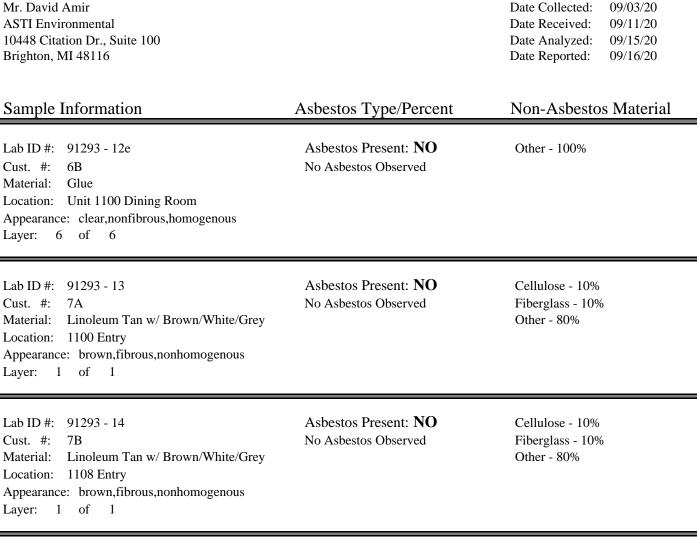
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ARI Report # 20-91293 **Report To:** 

#### **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

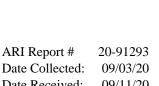
Project : 1100-1108 Field Street Project # :3-11284



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Robert T. Letarte Jr., Laboratory Director

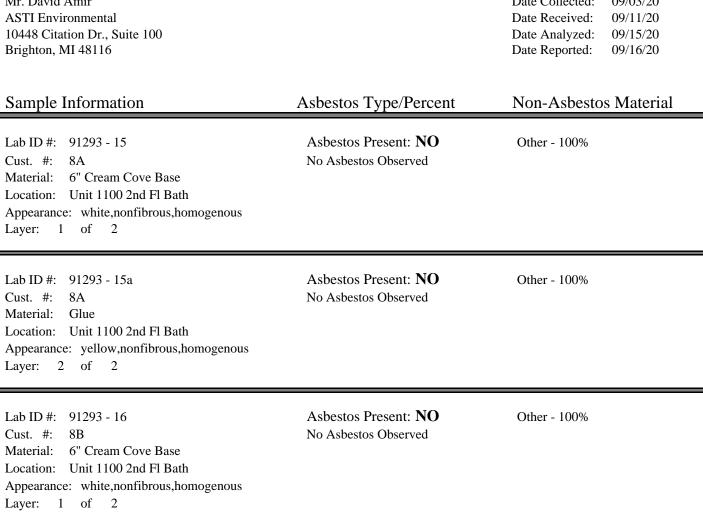
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Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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Robert T. Letarte Jr., Laboratory Director

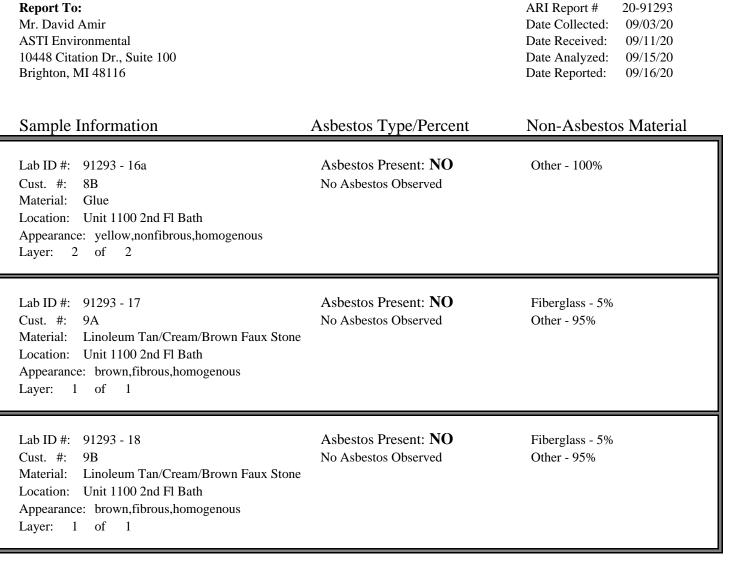
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**Report To:** Mr. David Amir ARI Report # 20-91293 Date Collected: 09/03/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/03/20Date Received:09/11/20Date Analyzed:09/15/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

ARI Report # 20-91293

(734) 449-9990, Fax (734) 449-9991

Page 12 of 16

**Certificate of Laboratory Analysis** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/03/20Date Received:09/11/20Date Analyzed:09/15/20Date Reported:09/16/20
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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Other - 100%

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

**Report To:** 

Robert T. Letarte Jr., Laboratory Director

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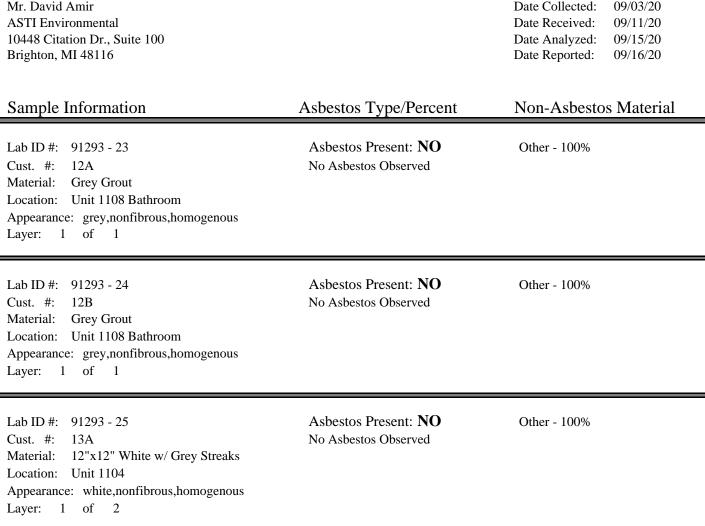


20-91293

ARI Report #

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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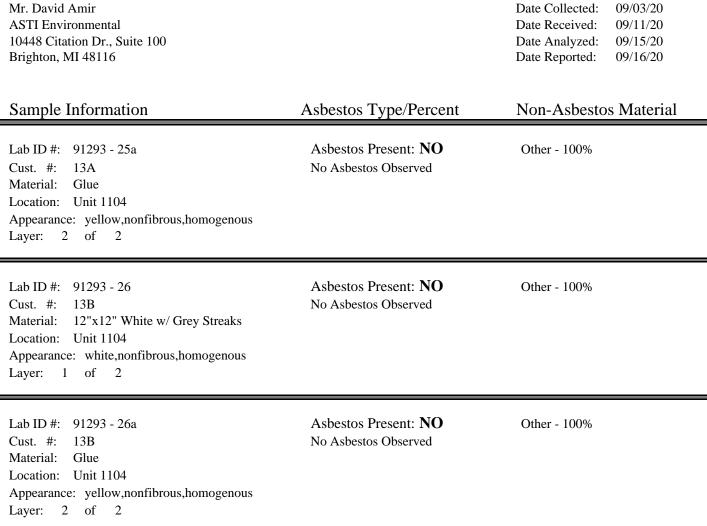
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**Report To:** Mr. David Amir ARI Report # 20-91293 Date Collected: 09/03/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284



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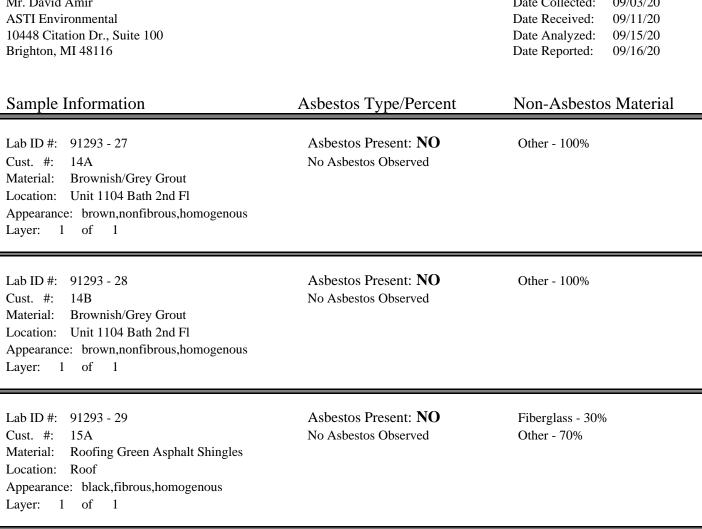


**Report To:** 

ARI Report # 20-91293

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Project : 1100-1108 Field Street Project # :3-11284



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**Report To:** Mr. David Amir ARI Report # 20-91293 Date Collected: 09/03/20 **Report To:** 

Mr. David Amir

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1100-1108 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/11/20Date Analyzed:09/15/20Date 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: <b>NO</b> 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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20-91293

09/03/20

ARI Report #

Date Collected:

	Relinquished By: A. Jon Date: A. C. 720 72 Revision R4 Date: May/2017														Lab ID Custo	logged in next morning	Other:	48 hour	Rush	1 UFh Around Time: (CIFC/E O/TE) ""Terms and conditions on the other side	Phone: <u>810.225, 2800</u>	City, St., ZIP: <u>Drighton</u>	Audress: 10440 Citation Drive	Customer Name: <u>A517</u>			91293
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APEX RESEARCH	Received By: <u>SEP 11 2020</u>	7		12"412" \$100x 41/21		white court / 100	ęmue autor	white sink under	/ 1	White Drynally	73	Black intration 1		Cray Intration.	· Material/Location	TEM:	Mold:	Lead / Cad / Chrome:	Asbestos:	d conditions on the other side.	Fax: <u>\$10.725.3800</u>	igan 48 116	ſ	t/Niron mendol	-	11054 Hi Tech Drive, Whitmore Lake, MI 48189.	APEX
RCH	Relinquished By:	A 1/00 Divine				ump 1100 KHON		could I unit	UNIA 1100	+ Joint compa		Dumpener / inh	4.0000 4.0000	Dampener 14	cation	Bulk/NOB	Bulk Air/Zef	Wipe ASTM E17927 circle YES or NO.	Bulk X Wipe	Circle analyses required, indicate type and quantity	Email: It insley @ ast i - env. com	Contact Person: <u>T</u> :	Project # <u>5-</u>		Date of Survey:	Phone: (734) 449 - 9990, Fax	Research, Inc.
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	ed By:			) Kidalan								Χ.,		and .	Results		BioSIS Tape	Paint Bulk	PCM		Easti-env.co	Amir Fax:	Report:		Lab Use Only	com	

Kevision K4 Jate: May/2017	Relinquished By: 4. Junity Date: 9-8-400	128	124	i B	ИA	\$01	401	98	J.A	83	08	94 B	M.C.	Lab ID Customer ID #	osumpies received arter opm (rest titt Posinve) logged in next morning		48 hour	Rush 24 hour	Turn Around Time: (circle one)	Phone: <u>310.225.2800</u>	City, St., Zip: <u>Brighton, Michigan</u>	Address: 10448 Citation Drive	Customer Name: ASTI Environmental	2	
APEX RESEARCH			Gray group / unithos	11 1 unit 1108 [	12"412" Floor to the wear w/ brown s	1) Junit 1108 2nd	white caulk / unit 1100	4	Lindeum Tan, Pream+Brown faux	7 1	6" Cream carebase / unit		Lindeum Tan when Brown	- Material/Location	ve) TEM: Bulk/NOB	no Mold: Bulk	Lead / Cad / Chrome: Wipe ASTM E1792? circle YES	Asbestos: Bulk 💢		Fax: <u>\$10.725.3800</u> Email: <u>Jtinsley@</u>	71134		mental	APEX Researcn, Inc. 11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990, Fa	
20f3	Relinquished By: Received By: Date: Time/Date:		Buthbon	M	our streak / Unit 1108 Kite	d Cl Bask	and \$1 Bests		and show of pattern 14mit 1100		+ 1100 and El Bath		white, gray specks / 1100 BATRY	Volume Area	NIOSH 7402 EPA Level II	Air/Zefon/AlergencoD BioSIS	792? circle YES or NO Air Paint	_ Wipe Point Count ]	Circle analyses required, indicate type and quantity	asti-env. a	rson: Jill Tinstey / David Amir	3-11294	urvey: 9-3-2020 1100-1108 Field	Kesearcn, Inc. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	9
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	Relinquished By: Date: <u>9-8-7000</u> Revision R4 Date: May/2017										Lab ID	logged in next morning	Other: Samples received after 3pm	48 hour	Kusn		Phone: <u>310.225,2800</u>	City, st., Zip:	Address: 164	Customer Na		56716	こうこう
	noly				15B	1514	21-1	4	N CI	HCI	Customer ID #		m (Test Till Positive) no	(72 hour	24 hour	ne: (c <i>ircie one )</i> t _{em}	25.2800	City, St., ZIP: <u>Drighton, Michgan</u>	Address: 10448 Citation	Customer Name: ASTI Environmental		، در	Page
	Received By: SEP 11 2020 Time/Date: APEX RESEARCH	RECEIVED			4	Roofing Green Hopp	B	Brownish / Gray Grout,	-	12"×12" while waray &	Material/Location	TEM:	Mold:	Lead / Cad / Chrome:	Asbestos:	The second s	Fax: <u>\$10.725.3800</u>	911 31			11054 Hi Tech Drive, Whitmore Lake, MI 48189. P	APEX F	
	Relinquished By: Date:					Asphalt shinakes /		1 Wint 1164		Shreaks Junit 1	ation	Bulk/NOB	Bulk Air/Z	Wipe ASTM E1792? circle YES or NO.	Bulk X Wipe	Circle analyses required, indicate type and quantity	Email: Jtinsley@	Contact Person: <u>Jil</u>	Project # 3-11	Date of Survey:	Phone: (734) 449 - 9990, Fax (	APEX Research, Inc.	
3of3						Koof		Bath 2nd		P-04	Volume	NIOSH 7402_	Air/Zefon/AlergencoD			ired, indicate	@ ast i - env. com	ill Tinstey	-C .	108 Fie	JĂ.	•	
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Apex #

**Report To:** 

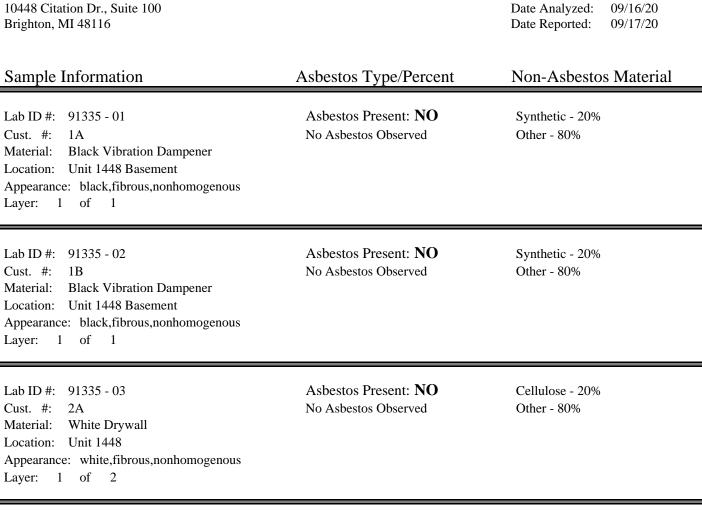
Mr. David Amir

ASTI Environmental

## **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284



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.



20-91335

09/04/20

09/14/20

ARI Report #

Date Collected:

Date Received:

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/14/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 Date Reported: 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91335 - 03a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 2A Material: Joint Compound Location: Unit 1448 Appearance: white, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 91335 - 04 Cellulose - 20% Cust. #: No Asbestos Observed Other - 80%  $2\mathbf{B}$ Material: White Drywall Location: Unit 1452 Appearance: white, fibrous, nonhomogenous Layer: 1 of 2 Lab ID #: 91335 - 04a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #:  $2\mathbf{B}$ Material: Joint Compound Location: Unit 1452 Appearance: white, nonfibrous, homogenous Layer: 2 of 2

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

Robert T. Letarte Jr., Laboratory Director

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**Report To:** Mr. David Amir ARI Report # 20-91335 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/14/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 Date Reported: 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91335 - 06a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 3B Material: Glue Location: 1st Fl Bath Unit 1448 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Asbestos Present: NO Lab ID #: 91335 - 07 Other - 100% Cust. #: No Asbestos Observed 4A Material: 12"x12" FT Grey Cream/White Location: Unit 1448 Kitchen Appearance: grey, nonfibrous, homogenous Layer: 1 of 2 Lab ID #: 91335 - 07a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 4A Material: Glue Location: Unit 1448 Kitchen Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2

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

Robert T. Letarte Jr., Laboratory Director

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**Report To:** Mr. David Amir ARI Report # 20-91335 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Desid ARI Report # 20-91335 4. C.11 00/04/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/14/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/16/20 Brighton, MI 48116 Date Reported: 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91335 - 12 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 6R Material: Cream 4" Cove Base Location: 1st Fl Bath Unit 1448 Appearance: white, nonfibrous, homogenous Layer: of 2 1 Asbestos Present: NO 91335 - 12a Other - 100% Lab ID #: Cust. #: No Asbestos Observed 6B Material: Glue Location: 1st Fl Bath Unit 1448 Appearance: yellow,nonfibrous,homogenous Layer: 2 of 2 Lab ID #: 91335 - 13 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 7A White Caulk Material: Location: Unit 1448 Sink Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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

Robert T. Letarte Jr., Laboratory Director

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**Report To:** Mr. David Amir ARI Report # 20-91335 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

Project : 1448-1452 Field Street

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		ART Report #20-91333Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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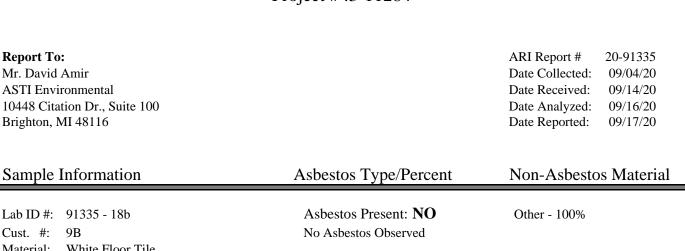
(734) 449-9990, Fax (734) 449-9991



Report To

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284



Material: White Floor Tile Location: Unit 1452 Dining Room Appearance: white,nonfibrous,homogenous Layer: 3 of 4

Lab ID #: 91335 - 18c Cust. #: 9B Material: Glue Location: Unit 1452 Dining Room Appearance: yellow,nonfibrous,homogenous Layer: 4 of 4

4" Tan Cove Base

2

Location: Unit 1452 1st Fl Bathroom Appearance: beige,nonfibrous,homogenous

Lab ID #: 91335 - 19

1 of

10A

Cust. #:

Material:

Layer:

Asbestos Present: **NO** No Asbestos Observed

Asbestos Present: NO

No Asbestos Observed

Other - 100%

Other - 100%

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

Robert T. Letarte Jr., Laboratory Director

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APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Concerct09/14/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 30% Other - 70%
Lavered Samples, each component will be analyzed and reporte	d separately	

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.



**Report To:** Mr. David Amir ARI Report # 20-91335 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1448-1452 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/16/20Date 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: <b>NO</b> 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.





**Report To:** 

	Relinquished By												Lab ID	Samples received after 3pm logged in next morning	Other:	Ag have	Turn Around	City, St., 210: <u>5r</u> Phone: 810.225	Customer Name Address: <u>16448</u>		21222
	2020 117	66	49	56	5A	4B	38	34	28	2 A	81	5	Customer ID #	JIF (Yes) / no 3pm (Test Till Positive) 3	(72 hour	24 hour	Time: (circle one)	ighton,		11054 Hj	د_ 
APEX RESEARCH	Received By: REAL THED Time/Date: 1020 SEP 1 4 2020		Cream 4" (nuebace		White Sink under make	Floortik		12"X12" Floor tile Tan. ara		White. Drumall +	-+	ALANY VIL	· Material/Location	3/ no Mold: sitive) TEM:	Lead / Ca	Asbestos:	Turn Around Time: (circle one)Tems and conditions on the other side.	Michigan 48 116	Environmental n Drive	11054 Hi Tech Drive, Whitmore Lake, MI 48189.	- 1
1042	Relinquished By: Date:			CLAL LIVIN	11. T EBO	Gray cream+ white / 4 mi	1) - 21 - China Score m 1			is at come on a lant	ner / unit 140		ation	Bulk Air/ Bulk/NOB	Wipe ASTM E1792? circle YES or NO_	Bulk X Wipe	Email: <u>Jtiosley@asti-env.com/dami</u> r( Circle analyses required, indicate type and quantity	Contact Person:	Project: 1448 Project: 1448	Phone: (734) 449 - 9990, Fax	Research_Inc
pages		NIT 1-110		where	✓ 1 ≤ .	8441+	uramad cent		241-1	04 th	Sigenent		Volumo	Air/Zefon/AlergencoD NIOSH 7402	YES or NO	õ 	1 2 ast i -env. com	Till Tinsley	7-4-2020 8-1452 Fie 1284	Fax (734) 449 - 9	)
	Received By: Time/Date:					Kitchen	er i list fil					Area		oD BioS	Air	Point Count	type and mus	David	d	(734) 449 - 9991 www.ApexMI.com	
	ed By:						Bath and 1448					Results		SIS	Paint Bulk	PCM  Email:	Sasti-env.co	Amir Fax:	Lab Use Only Street Log-In:	MI.com	•

APEX RESEARCH

Apex #

01225 Page

APEX RESEARCH

Apex #

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91337 - 01 Asbestos Present: NO Synthetic - 20% Cust. #: No Asbestos Observed Other - 80% 1A Material: Black Vibration Dampener Location: Unit 1462 Basement Appearance: black,fibrous,homogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91337 - 02 Synthetic - 20% Cust. #: No Asbestos Observed Other - 80% 1BMaterial: **Black Vibration Dampener** Location: Unit 1462 Basement Appearance: black,fibrous,homogenous Layer: 1 of 1 Lab ID #: 91337 - 03 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 2A Material: Joint Compound Location: Unit 1462 Appearance: white, nonfibrous, homogenous Layer: 1 of 1

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.



**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

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Mr David Amir ARI Report # 20-91337 Date Collected 09/04/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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.



**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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.



**Report To:** 

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

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#### Page 7 of 9

Date Reported: Brighton, MI 48116 09/17/20 Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91337 - 11 Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 6A Material: Grey Grout Location: Unit 1462 2nd Fl Bathroom Appearance: white, nonfibrous, homogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91337 - 12 Other - 100% Cust. #: No Asbestos Observed 6B Material: Grey Grout Location: Unit 1462 2nd Fl Bathroom Appearance: white, nonfibrous, homogenous Layer: 1 of 1 Lab ID #: 91337 - 13 Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 7A 12"x12" FT Brown Basket Weave Material: Location: Unit 1458 Dining Room Appearance: brown,nonfibrous,homogenous Layer: 1 of 2

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

**Report To:** 

Mr. David Amir

ASTI Environmental

10448 Citation Dr., Suite 100

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



20-91337

09/04/20

09/14/20

09/17/20

ARI Report #

Date Collected:

Date Received:

Date Analyzed:

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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.



**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1458 - 1462 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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

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.



**Report To:** Mr. David Amir ARI Report # 20-91337 Date Collected: 09/04/20

<b>.</b>				Apex #
Relinquished By: Date: <u>1.14.16</u> Revision R4 Date: May/2017			Customer Nar Address: <u>1644</u> City, St., Zip: <u>7</u> Phone: <u>310.22</u> <b>Turn Around Tim</b> Rush 48 hour Other: Samples received after 3pm logged in next morning Lab ID C	91337
J. Jensley	60 60 60	2B 34 4B	Vame: AS 148 C:4 225.2800 1me: (circle o 2 Customer	Page
Received By: CEVED Relinquished By: Received By:	White Cault /4		Mended     Date of Survey:       Mended     Project:       10.725.3800     Project # 3-11       10.725.3800     Email:       11.75     Bulk       Asbestos:     Bulk       Wipe     Wipe       Nold:     Bulk       Material/Location       Material/Location       Wibration       January of function	

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APEX RESEARCH & Z voces

Relinquished By: J. Jensley Date: <u>944-7870</u> Revision R4 Date: May/2017						Lab ID Customer ID #	91337 2 Interventional State
Received By: <u>BECEIVED</u> Time/Date: <u>SEP 14 2020</u> APEX RESEARCH 2 of 2 pages Time/Date: <u>Time/Date:</u> Time/Date:				 SA Ovange Asonaltative le limit 1450	12"x10" Flow Li	Material/Location	APEX Research, Inc.         x, MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com         Date of Survey:       7-4-2020         Project:       1458 + 1462 Field Street         Project:       1284         Contact Person:       Till Tinstey         Contact Person:       Till Tinstey         Contact Person:       Till Tinstey         Sector       Email:         Sector       Bulk         Wipe       Astrives required, indicate type and quantity         Isbestos:       Bulk         Wipe ASTM E1792?       Buik Air/Zefon/AlergencoD         Bulk       Air/Zefon/AlergencoD         Bulk/NOB       NIOSH 7402         EPA Level II

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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.



**Report To:** Mr. David Amir ARI Report # 20-91338 Date Collected 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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.



**Report To:** Desid ARI Report # 20-91338 4. Call. 00/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 10% Other - 90%

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.



**Report To:** Mr Douid Amir ARI Report # 20-91338 Data Colloctada 00/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 10% Other - 90%

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.



**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Mr. David Amir ARI Report # 20-91338 Date Collected: 09/04/20

APEX Research Inc., 11054 Hi Tech Drive, Whitmore Lake, MI 48189 (734) 449-9990, Fax (734) 449-9991

#### Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

**Certificate of Laboratory Analysis** 

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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.



**Report To:** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Conected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Mr. David Amir ARI Report # 20-91338 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Mr David Amir ARI Report # 20-91338 Date Collected 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Cellulose - 15% Fiberglass - 5% Other - 80%

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

Robert T. Letarte Jr., Laboratory Director

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**Report To:** 

ARI Report # 20-91338 **Report To:** 

Mr. David Amir

**ASTI Environmental** 

Brighton, MI 48116

10448 Citation Dr., Suite 100

Sample Information

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1470 - 1474 Field Street Project # :3-11284

Asbestos Type/Percent

ARI Report # 20-91338 Date Collected: 09/04/20 Date Received: 09/14/20 Date Analyzed: 09/17/20 Date Reported: 09/17/20

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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 15% Other - 85%

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.





Page 10 of 10



Relinquished By: A Devolar Received B Date: 9-14 7020 Time/Date: Revision R4 Date: May/2017		540	++	3A BA	╉───┼─	$ \rightarrow $	IA B	Lab ID Customer ID #	Page Page Page 10448 2ip: <u>Bright</u> 2ip: <u>Bright</u> 2ip: <u>Bright</u> 10.225, 280 nd Time: (circle
SEP 14 2020 Date:	White Caulk I unit 1470 Buthroom sink		White sont under coating / unit-1470 Kitchen	Brown plank flooring / Unit 1470 Diving room	White drywall + soint compound / Unit 1470		Black vibration Jampener/ unit 1470 Basement	Material/Location Volume Area Results	APEX Research, Inc.         11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9991, Fax (734) 449 - 9991 www.ApexML.com         Date of Survey: <u>9 - 4 - 2020</u> Date of Survey: <u>9 - 4 - 2020</u> Date Only         Project: <u>1 4 70 + 1 4 74 Field 5 freet</u> Lab Use Only         Project: <u>1 4 70 + 1 4 74 Field 5 freet</u> Lab Use Only         One with the other side.       Contact Person: <u>5 ill Tinstey I David Annir</u> Lab Use Only         One with the other side.       Email: <u>5 i instey I David Annir</u> Fax:         Project: <u>1 4 70 + 1 4 74 Field 5 freet</u> Report:       Fax:         One with the other side.       Email: <u>5 i instey I David Annir</u> Report:         Project: <u>1 4 70 + 1 4 74 Field 5 freet</u> Report:       Fax:         One with the other side.       Email: <u>5 i instey I David Annir</u> Report:         Project: <u>1 4 70 + 1 4 74 Field 5 freet</u> Report:       Fax:         One with the other side.       Circle analyses required, indicate type and quantity       Report:         Project: <u>1 4 70 2</u> Bulk       Wipe ASTME1792? circle YES or NO       Air       Print         Project: <u>1 4 8 ulk</u> Air/Zefon/AlergencoD       BioSIS       Tape         Text III Fostive       Tape       Other       Other

APEX RESEARCH

Apex #

Relinquished By:											Lab ID	logged in next morning	Other: Samples received after 3mm			Puch	Phone: <u>\$10.225.2800</u>	City, St., Zip:	Address: 164	Customer Na		0100	01220
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Received By. CHARLEIVED Time/Date: SEP 1 4 2020					plack asphalt shinge. 1		h		u can	~	Material/Location	TEM:	10 Mold:	Lead / Cad / Chrome: Wip	Asbestos: Bulk	Proch	008	111 34		Customer Name: ASTI FAirmanental Da	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone		
Relinquished By: Date:					0441 + Jun		tan peoples I unit it		1474 2			Bulk/NOB NIC		Wipe ASTM E1792? circle YES o	∽ X Wipe			2	Project # 3 · 17 2	urvey:	1×	Research, Inc.	
	 		 				Put VA Ath		way by		┥	NIOSH 7402	rgenco	or NO Air	Point Count	, indicate type :	asti-env com	stear 1	1474 Field	-4-2020	(734) 449 - 9991 www.ApexMI.com		
Received By: Time/Date:	_									Area		EPA Level II	Biacre	Paint	Count	and quantity			Stiert		ww.ApexMI.com		
				·						Results		Tape Other		1	PCM	quantity	Fax:	Report:	Log-In:	Lab Use Only	APEX		

APEX RESEARCH

Apex #

Test Method, Polarized Light Microscopy (PLM)

Project : 1481-1485 Field Street Project # :3-11284

10448 Citation Dr., Suite 100 Date Analyzed: 09/17/20 Brighton, MI 48116 09/17/20 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91334 - 01 Asbestos Present: NO Synthetic - 20% Cust. #: No Asbestos Observed Other - 80% 1A Material: Black Vibration Dampener Location: Basement Unit 1481 Appearance: black,fibrous,nonhomogenous Layer: of 1 1 Asbestos Present: NO Lab ID #: 91334 - 02 Synthetic - 20% Cust. #: No Asbestos Observed Other - 80% 1BMaterial: Black Vibration Dampener Location: Basement Unit 1481 Appearance: black,fibrous,nonhomogenous Layer: 1 of 1 Lab ID #: 91334 - 03 Asbestos Present: NO Cellulose - 20% No Asbestos Observed Other - 80% Cust. #: 2A Material: White Drywall Location: Unit 1481 Appearance: white, fibrous, nonhomogenous Layer: 1 of 2

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.



**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

Test Method, Polarized Light Microscopy (PLM)

Project : 1481-1485 Field Street Project # :3-11284

ASTI Environmental Date Received: 09/14/20 10448 Citation Dr., Suite 100 Date Analyzed: 09/17/20 09/17/20 Brighton, MI 48116 Date Reported: Sample Information Asbestos Type/Percent Non-Asbestos Material Lab ID #: 91334 - 03a Asbestos Present: NO Other - 100% Cust. #: No Asbestos Observed 2A Material: Joint Compound Location: Unit 1481 Appearance: white, nonfibrous, homogenous Layer: of 2 2 Asbestos Present: NO Lab ID #: 91334 - 04 Cellulose - 20% Cust. #: No Asbestos Observed  $2\mathbf{B}$ Fiberglass - 5% Material: White Drywall Other - 75% Location: Unit 1485 Appearance: white, fibrous, nonhomogenous Layer: 1 of 2 Lab ID #: 91334 - 04a Asbestos Present: NO Other - 100% No Asbestos Observed Cust. #: 2**B** Material: Joint Compound Location: Unit 1485 Appearance: white, nonfibrous, homogenous Layer: 2 of 2

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

Robert T. Letarte Jr., Laboratory Director

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**Report To:** Mr. David Amir ARI Report # 20-91334 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1481-1485 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 5% Other - 95%

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

Robert T. Letarte Jr., Laboratory Director

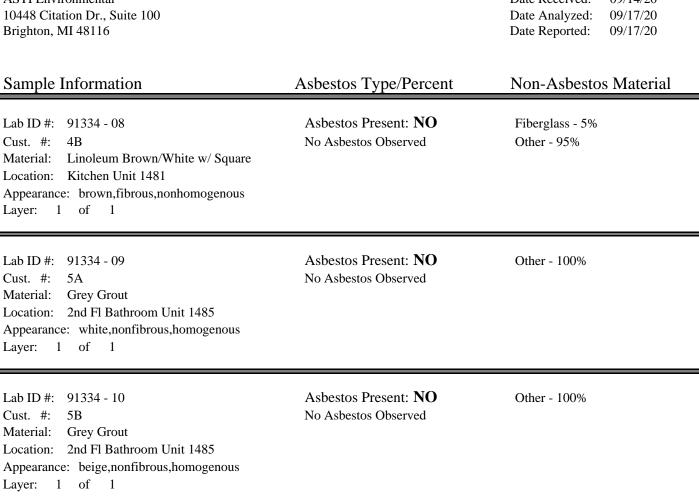
Test Method EPA 600/R-93/116 was used to analyze the above samples. Matrix interference and/or resolution limits may yield false/negative results in certain circumstances. Suspect floor tiles containing <1% should be tested with SEM or TEM. This certificate of analysis relates only to the samples tested 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.



**Report To:** Mr David Amir ARI Report # 20-91334 Date Collected 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1481-1485 Field Street Project # :3-11284



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Robert T. Letarte Jr., Laboratory Director

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**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

Test Method, Polarized Light Microscopy (PLM)

Project : 1481-1485 Field Street Project # :3-11284

Sample InformationAsbestos Type/PercentNon-Asbestos MaterialLab ID #: 91334 - 11 Cust. #: 6A Material: Black Asphalt Shingle Roofing Location: Roof 1485 Appearance: black,fibrous,homogenous Layer: 1 of 1Asbestos Present: NO No Asbestos ObservedFiberglass - 30% Other - 70%Lab ID #: 91334 - 12 Cust. #: 6B Material: Black Asphalt Shingle Roofing Location: Roof 1485 Appearance: black,fibrous,homogenous Layer: 1 of 1Asbestos Present: NO No Asbestos ObservedFiberglass - 30% Other - 70%Lab ID #: 91334 - 12 Cust. #: 6B Material: Black Asphalt Shingle Roofing Location: Roof 1485 Appearance: black,fibrous,homogenous Layer: 1 of 1Asbestos Present: NO No Asbestos ObservedFiberglass - 30% Other - 70%Lab ID #: Cust. #: Material: Location: Appearance: Layer: ofAsbestos Present: Asbestos Present: No Asbestos ObservedFiberglass - 30% Other - 70%	Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date Reported:09/17/20
Cust. #:6ANo Asbestos ObservedOther - 70%Material:Black Asphalt Shingle Roofing Location:No Asbestos ObservedOther - 70%Location:Roof 1485 Appearance:black, fibrous, homogenous Layer:1Lab ID #:91334 - 12 Cust. #:Asbestos Present:NOCust. #:6B Material:Black Asphalt Shingle Roofing Location:Fiberglass - 30% Other - 70%Cust. #:6B Material:No Asbestos ObservedOther - 70%Material:Black Asphalt Shingle Roofing Location:Roof 1485 	Sample Information	Asbestos Type/Percent	Non-Asbestos Material
Cust. #:       6B       No Asbestos Observed       Other - 70%         Material:       Black Asphalt Shingle Roofing       Description       Description         Location:       Roof 1485       Appearance:       black,fibrous,homogenous         Layer:       1       of       1         Lab ID #:       Asbestos Present:       Cust. #:         Material:       Location:       Appearance:         Appearance:       Cust. #:       Cust. #:         Material:       Location:       Appearance:	Cust. #: 6A Material: Black Asphalt Shingle Roofing Location: Roof 1485 Appearance: black,fibrous,homogenous		
Cust. #: Material: Location: Appearance:	Cust. #: 6B Material: Black Asphalt Shingle Roofing Location: Roof 1485 Appearance: black,fibrous,homogenous		6
	Cust. #: Material: Location: Appearance:	Asbestos Present:	

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

Robert T. Letarte Jr., Laboratory Director

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**Report To:** Mr David Amir ARI Report # 20-91334 Date Collected 09/04/20

Relinquished By: C. Dundlux Date: <u>q-14-2020</u> Revision R4 Date: May2017	-											╞	Lab ID Customer ID #	received after 3pm next morning	Other:	48 hour	Rush	Turn Around Time: (circle	Phone: <u>310.225, 2800</u>	City, St., Zip: R. C. hand			Apex # 91334
Received By: Relinquished By Time/Date: 1030 SEP 14 2020 Date:		6A Black asphalt shindle Routing /		in cont in in	Kitchen	-+	Cari tran alight	B I I I I I I I I A MARCANDUMA	2 A White DATASH + 12-11		1A Black Vibration Domosnor / Bicco	· Material/Location	NA	ill Positi		•	sheetne.	ne)Terms and conditions on the other side.	Fax: \$10 775 2000	Project #	Environmental	11054 Hi Tech Drive, Whitmore Lake, MI 48189. Phone: (734) 449 - 9990	ADEX Decorat
1 By: Received By: Time/Date:	5	l'ort war	1985	Jun	em / Kitchen 148/	1971 1:481		/uni-1481		-Ħ		Volume Area R	NIUSH 7402 EPA Level II	Air/Zefon/AlergencoDBioSIS	circle YES or NO Air Paint	Wipe Point Count PCM	red, indicate type and	sley @asti-env.com / damir Casti-env.co	on: Jill Tinstey / David Amir	284	149: 9-4-2020	Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApexMI.com	
											PEDATE:	Results	Other	Tape	Bulk	M	Email:		Fax:	Log-In:	Lab Use Only		

APEX RESEARCH

**Report To:** 

Mr. David Amir

# **Certificate of Laboratory Analysis**

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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.





20-91336

09/04/20

ARI Report #

Date Collected:

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Other - 100%

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Robert T. Letarte Jr., Laboratory Director

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**Report To:** Mr. David Amir ARI Report # 20-91336 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Mr. David Amir A CTI Environmentel

Date Collected: 09/04/20 Data Dagainad 00/14/20

ARI Report # 20-91336

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Conected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Mr. David Amir ARI Report # 20-91336 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Other - 100%

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**Report To:** 

ARI Report # 20-91336

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** Mr David Amir ARI Report # 20-91336 Date Collected 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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ARI Report # 20-91336 

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Conected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Cellulose - 10% Fiberglass - 10% Other - 80%

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

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**Report To:** Mr. David Amir ARI Report # 20-91336 Date Collected: 09/04/20

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> 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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**Report To:** 

ARI Report # 20-91336

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 5% Other - 95%

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

**Report To:** 

Robert T. Letarte Jr., Laboratory Director

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20-91336

ARI Report #

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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: <b>NO</b> 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: <b>NO</b> No Asbestos Observed	Fiberglass - 30% Other - 70%

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

**Report To:** 

Mr. David Amir

Robert T. Letarte Jr., Laboratory Director

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20-91336

09/04/20

ARI Report #

Date Collected:

**Report To:** 

**Certificate of Laboratory Analysis** 

Test Method, Polarized Light Microscopy (PLM)

Project : 1491 & 1495 Field Street Project # :3-11284

Mr. David Amir ASTI Environmental 10448 Citation Dr., Suite 100 Brighton, MI 48116		Date Collected:09/04/20Date Received:09/14/20Date Analyzed:09/17/20Date 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: <b>NO</b> 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

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20-91336

ARI Report #

Relinquished By: J. Undley Date: <u>9-14-72020</u> Revision R4 Date: May/2017		5A 5B		38	2	18	Lab ID Customer ID	<b>36</b> ^{Page} er Name: Ac :10448 Ci: Zip: <u>Dright</u> <u>JIO.225, 280</u> Ind Time: (circle
Received BySEATA 2020       Relinquished By:       Received By:         Time/Date:       0 ate:       Date:       Time/Date:         APEX RESEARCH       0 C 2 pacyes       Time/Date:	A Brawn 4" cove base / ist floor beth unit 14/21 B RECEIVED	12"×12" Flow-Ale	4A 12"x12" Floor File for from 1 the fact the sea unif 1491			Grayvibration Dampener / unit 1491 Busement	# Material/Location Volume A	APEX Research, Inc. $*$ , MI 48189. Phone: (734) 449 - 9990, Fax (734) 449 - 9991 www.ApextML.com         Date of Survey: $9-4-202D$ Project: $1491 + 1495$ Field Streat         Project: $3-11284$ Contact Person: $5111$ Tinstey / David Atmir Costi-env.ca         Sobestos:       Bulk         Wipe ASTM E1792? circle YES or NO       Air         Paint       Point Count       PCM         Iold:       Bulk       Air/Zefon/AlergencoD       BioSIS         EM:       Bulk/NOB       NIOSH 7402       EPA Level II

Apex #

Revision R4 Date: May/2017			C V		90	9A	9.8	A S A	at	4E	Lao ID Customer ID #	d after 3pm (Test Till orning		48 hour	Rush 74 hour	Phone: <u>310.225, 2800</u> Turn Around Time: Airola and	City, St., Zip: Brighton, Michigan	Address: 10448 Citerio	, 1054 Hi T		
Received By:       Relinquished By:       Received By:         Time/Date:       Date:       Date:         APEX RESEARCH       2 of 2 parts       Time/Date:	RECEIVED		4	Brown Asphalt Shingle / loof unit 1491				Gray avoid /unit 1491 Zich El Rich		A philip a fless 1 of the	,		Mold: David: Dav	Bulk Wipe Point Count PCM	Circle analyses require	Email: Jtinsley @ asti-env on / Journa 1.	48 116 Project # 3-112.84	Mented Project: 1491-1495 Field Street	(734) 449 -	APEX Research. Inc	

Apex #

### Appendix C

Photos











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



<image/>	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



**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



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- ENVIRONMENTAL ASSESSMENTS AND IMPACT STATEMENTS
- Environmental Opportunities Assessment
- GIS MAPPING
- HAZARD MITIGATION PLANNING
- MINING AND RECLAMATION ASSISTANCE
- **REMEDIATION IMPLEMENTATION, OPERATION AND MAINTENANCE**
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- REGULATORY COMPLIANCE AND PERMITTING
- SOIL AND GROUNDWATER ASSESSMENTS
- SOIL AND GROUNDWATER REMEDIATION
- STORAGE TANK COMPLIANCE AND CLOSURE
- THREATENED AND ENDANGERED SPECIES SURVEYS
- WATERSHED AND STORMWATER MANAGEMENT PROGRAMS
- WETLAND DELINEATION, PERMITTING, MITIGATION AND BANKING

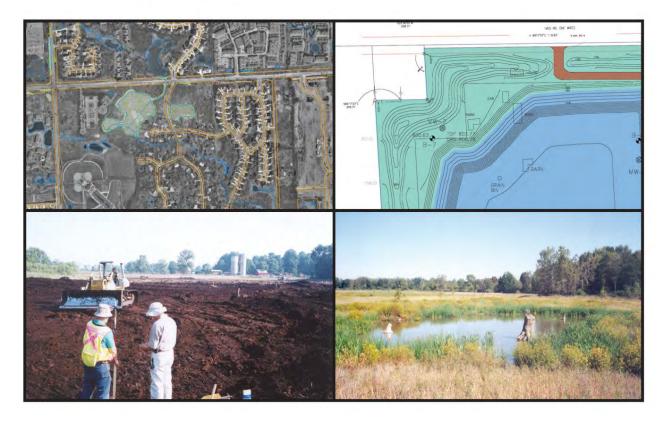


Lead-Based Paint Inspection & Risk Assessment 232 East Grand Boulevard Detroit, Michigan

Field Street III LDHA, LLC

Inspection Date: September 9, 2020 Report Date: September 23, 2020

### **ASTI Environmental**





### 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:

A

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



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# **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 ( $\mu$ g/ft²) for floors, 100  $\mu$ g/ft² for window sills, 100  $\mu$ g/ft² for window troughs (EPA and HUD remain at 400  $\mu$ g/ft²), and 40  $\mu$ g/ft² 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	<b>Priority</b> ¹	Severity ²	Abatement Options	Interim Control Measures
Hazards within Struc	cture			
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.

Priority Rankings) High - Requires Immediate Attention; Moderate – Requires Scheduled Attention; and Low – Attention at Owners Discretion
 Severity 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;
- 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
- 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 ( $\mu$ g/ft²) for floors, 100  $\mu$ g/ft² for window sills, 100  $\mu$ g/ft² for window troughs (EPA and HUD remain at 400  $\mu$ g/ft²), and 40  $\mu$ g/ft² 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 <u>complete</u> 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 leadbased 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 leadcontaminated 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  $\mu$ g/ft² on floors, 250  $\mu$ g/ft² on interior windowsills and 400  $\mu$ g/ft² 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/cm² 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 leadcontaminated 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.

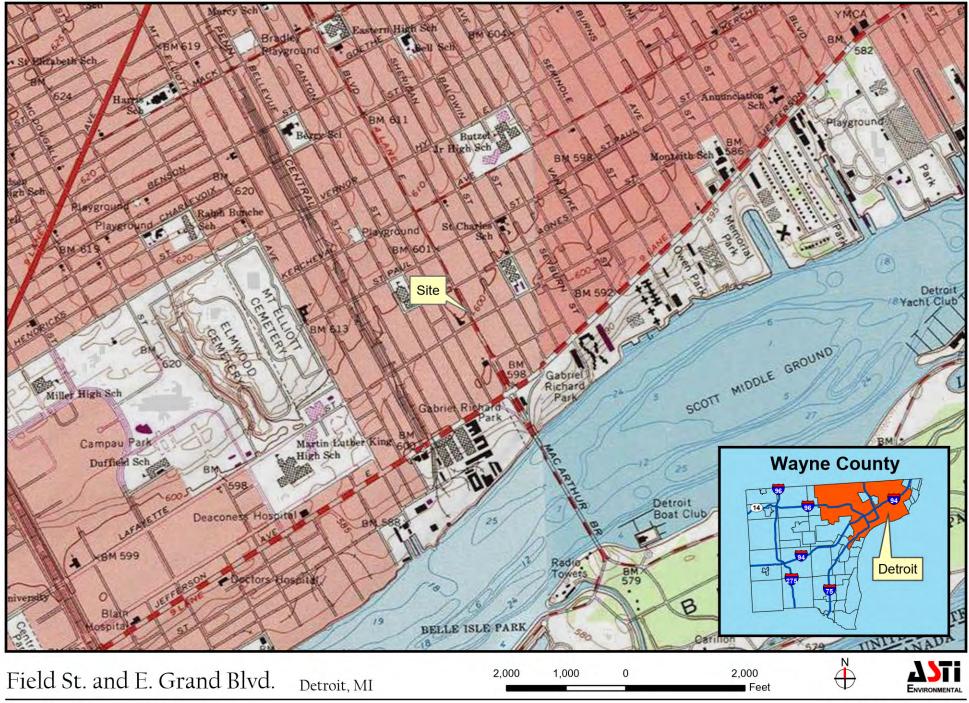
**Soil-lead hazard:** Bare soil on residential property that contains lead in excess of the standard established by the EPA under Title IV of the Toxic Substances Control Act. EPA standards for soil-lead hazards, published at 40 CFR 745.65(c), as of the publication of this edition of these *Guidelines*, is 400  $\mu$ g/g in play areas and 1,200  $\mu$ g/g in the rest of the yard; also called lead-contaminated soil.



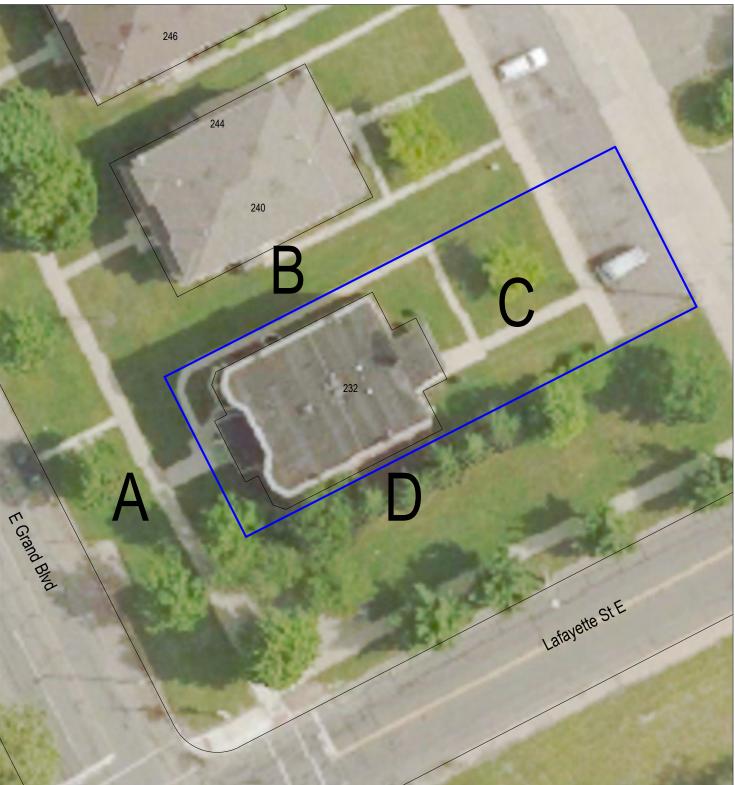
# FIGURES

- Site Location Map
   Site Features Map





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





Client: Field Street III LDHA, LLC ASTI Project 3-11284, JRN, September 22, 2020

# Tables

- Lead Dust Wipe Sample Results
   Soil Sample Results
- Summary of Lead Hazards Including Abatement and Interim Control Options



# Table 1Lead Dust Samples

# 232 E. Grand Blvd., Detroit, MI

Sample Number	Unit	Room	Surface	Lead Dust (µg/ft ² )	Standard* (µg/ft ² )	Below Standard?
FL-01	101	Bedroom (Living Room)	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-01	101	Bedroom (Living Room) Sill <rl 100<="" td=""><td>Y</td></rl>		Y		
FL-02	101	Living Room (Dining Room)	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-02	101	Living Room (Dining Room)	Sill	13	100	Y
FL-03	101	Bathroom	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-04	101	Kitchen	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-04	101	Kitchen	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-05	101	Dining Room (Bed 2)	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WT-05	101	Dining Room (Bed 2)	Trough	22	100	Y
FL-06	101	Clothes Room (Bed 1) Floor <rl 10<="" td=""><td>10</td><td>Y</td></rl>		10	Y	
WS-06	101	Clothes Room (Bed 1) Sill 12 100		100	Y	
FL-01	201	Living Room	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WT-01	201	Living Room	Trough	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-02	201	Dining Room	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-02	201	Dining Room	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-03	201	Kitchen	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WT-03	201	Kitchen	Trough	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-04	201	Bathroom	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-05	201	Bedroom 1	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-05	201	Bedroom 1	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-06	201	Bedroom 2	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-06	201	Bedroom 2	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-07	201	Under Sink (Field Blank)	NA	<rl< td=""><td>NA</td><td>NA</td></rl<>	NA	NA

# 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?
FL-01	102	Living Room	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-01	102	Living Room	Sill	20	100	Y
FL-02	102	Dining Room	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-02	102	Dining Room	Sill	22	100	Y
FL-03	102	Kitchen	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-03	102	Kitchen	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-04	102	Bathroom	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-05	102	Bedroom 1	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-05	102	Bedroom 1	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-06	102	Bedroom 2	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-06	102	Bedroom 2	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-07	102	Under Sink (Field Blank)	NA	<rl< td=""><td>NA</td><td>NA</td></rl<>	NA	NA
FL-01	B-1	Dining Room	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-01	B-1	Dining Room	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-02	B-1	Living Room	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-03	B-1	Kitchen	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-04	B-1	Hall	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-05	B-1	Bathroom	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-05	B-1	Bathroom	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-06	B-1	Bedroom	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-06	B-1	Bedroom	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-06	B-1	Under Sink (Field Blank)	NA	<rl< td=""><td>NA</td><td>NA</td></rl<>	NA	NA
FL-01	202	Living Room	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y

# 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< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-02	202	Dining Room	Sill	18	100	Y
FL-03	202	Kitchen	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-03	202	Kitchen Sill		<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-04	202	Bathroom Floor <rl 10<="" td=""><td>Y</td></rl>		Y		
WS-05	202	Bedroom 1 Sill 21 100		Y		
FL-05	202	Bedroom 1	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-06	202	Bedroom 2	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
WS-06	202	Bedroom 2	Sill	<rl< td=""><td>100</td><td>Y</td></rl<>	100	Y
FL-01	Common	2nd Floor Hall	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-02	Common	Stair Landing	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-03	Common	1st Floor Entry	Floor	<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-04	Common	1st Floor Hall Floor		<rl< td=""><td>10</td><td>Y</td></rl<>	10	Y
FL-05	Common	Laundry Room	Floor	15	10	Ν

* - State of Michigan Lead-Based Paint Hazard Level

# 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:	Client: Field Street III LDHA, LLC								
Inspection Location:	232 East Grand Boulevard, Detroit, Michigan								
Survey Date:	September 9, 2	tember 9, 2020 Project No.: 3-11284							
Inspector:	John Schuitema	а		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 (lo	options for performing abatement (long term) fixes and/or interim controls (shorter term) fixes. The client and or their general contractor need to select								
he appropriate solution to address each of the hazards identified.									
Identified Hazard	<b>Priority</b> ¹	Severity ²	Abatement Options	Interim Control Measures					
Identified Hazard Hazards within Structure	<b>Priority</b> ¹	Severity ²	Abatement Options	Interim Control Measures					

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

<u>Certifications</u> 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 Hames 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

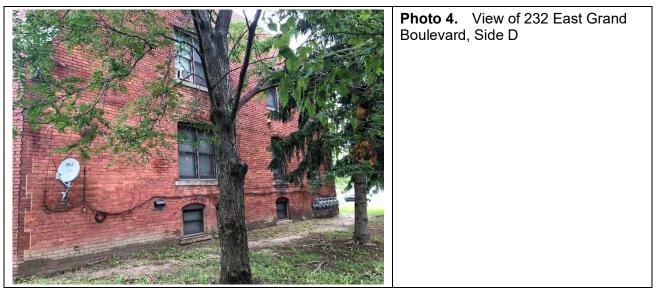


# **PHOTO LOG** 232 East Grand Boulevard, Detroit, Michigan

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



# **PHOTO LOG** 232 East Grand Boulevard, Detroit, Michigan





Appendix C

All XRF Readings



No.	Time	Туре	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	А	Room	Wall	Drywall	Intact	Negative
7640	11:51:38	Lead Paint	232 E Grand B1	Living Room/Dining Room	В	Room	Wall	Drywall	Intact	Negative
7641	11:51:58	Lead Paint	232 E Grand B1	Living Room/Dining Room	С	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	А	Room	Baseboard	Wood	Intact	Negative
7645	11:53:49	Lead Paint	232 E Grand B1	Living Room/Dining Room		Window	Casing	Wood	Intact	Negative
7646	11:54:10	Lead Paint	232 E Grand B1	Living Room/Dining Room	А	Window	Sill	Wood	Intact	Negative
7647	11:54:30	Lead Paint	232 E Grand B1	Living Room/Dining Room	А	Window	Apron	Wood	Intact	Negative
7648	11:54:57	Lead Paint	232 E Grand B1	Living Room/Dining Room	А	Window	Sash	Wood	Intact	Negative
7649	11:55:16	Lead Paint	232 E Grand B1	Living Room/Dining Room	А	Window	Jamb	Wood	Intact	Negative
7650	11:55:49	Lead Paint	232 E Grand B1	Living Room/Dining Room	А	Door	Jamb	Wood	Intact	Negative
7651	11:56:11	Lead Paint	232 E Grand B1	Living Room/Dining Room	А	Door	Casing	Wood	Intact	Negative
7652	11:56:34	Lead Paint	232 E Grand B1	Living Room/Dining Room	А	Door		Metal	Intact	Negative
7653	11:57:39	Lead Paint	232 E Grand B1	Kitchen	А	Room	Wall	Drywall	Intact	Negative
7654	11:58:02	Lead Paint	232 E Grand B1	Kitchen	В	Room	Wall	Drywall	Intact	Negative
7655	11:58:22	Lead Paint	232 E Grand B1	Kitchen	С	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	С	Cabinets	Door	Wood	Intact	Negative
7660	12:00:42	Lead Paint	232 E Grand B1	Hallway	А	Room	Wall	Drywall	Intact	Negative
7661	12:01:04	Lead Paint	232 E Grand B1	Hallway	В	Room	Wall	Drywall	Intact	Negative
7662	12:01:23	Lead Paint	232 E Grand B1	Hallway	С	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	А	Room	Wall	Drywall	Intact	Negative

Appendix C All XRF Readings

No.	Time	Туре	Apartment	Room	Side	Sturcture	Member	Substrate	Condition	Results
7671 1	12:05:49	Lead Paint	232 E Grand B1	Bathroom	В	Room	Wall	Drywall	Intact	Negative
7672 1	12:06:08	Lead Paint	232 E Grand B1	Bathroom	С	Room	Wall	Drywall	Intact	Negative
7673 1	12:06:28	Lead Paint	232 E Grand B1	Bathroom	D	Room	Wall	Drywall	Intact	Negative
7674 1	12:06:49	Lead Paint	232 E Grand B1	Bathroom	D	Room	Ceiling	Drywall	Intact	Negative
7675 1	12:07:16	Lead Paint	232 E Grand B1	Bathroom	D	Door	Casing	Wood	Intact	Negative
7676 1	12:07:39	Lead Paint	232 E Grand B1	Bathroom	D	Door		Wood	Intact	Negative
7677 1	12:08:13	Lead Paint	232 E Grand B1	Bathroom	В	Access Pane	Casing	Wood	Intact	Negative
7678 1	12:08:33	Lead Paint	232 E Grand B1	Bathroom	В	Access Pane	Door	Wood	Intact	Negative
7679 1	12:09:10	Lead Paint	232 E Grand B1	Hallway	В	Room	Baseboard	Wood	Intact	Negative
7680 1	12:10:40	Lead Paint	232 E Grand B1	Bedroom	А	Room	Wall	Drywall	Intact	Negative
7681 1	12:11:04	Lead Paint	232 E Grand B1	Bedroom	В	Room	Wall	Drywall	Intact	Negative
7682 1	12:11:23	Lead Paint	232 E Grand B1	Bedroom	С	Room	Wall	Drywall	Intact	Negative
7683 1	12:11:45	Lead Paint	232 E Grand B1	Bedroom	D	Room	Wall	Drywall	Intact	Negative
7684 1	12:12:20	Lead Paint	232 E Grand B1	Bedroom	D	Room	Ceiling	Drywall	Intact	Negative
7685 1	12:13:00	Lead Paint	232 E Grand B1	Bedroom	D	Room	Baseboard	Wood	Intact	Negative
7686 1	12:13:25	Lead Paint	232 E Grand B1	Bedroom	D	Door	Casing	Wood	Intact	Negative
7687 1	12:13:49	Lead Paint	232 E Grand B1	Bedroom	D	Door		Wood	Intact	Negative
7688 1	12:14:15	Lead Paint	232 E Grand B1	Bedroom	D	Closet	Bi-Fold Door	Wood	Intact	Negative
7689 1	12:14:39	Lead Paint	232 E Grand B1	Bedroom	D	Closet	Wall	Drywall	Intact	Negative
7690 1	12:15:05	Lead Paint	232 E Grand B1	Bedroom	D	Door	Casing	Drywall	Intact	Negative
7691 1	12:16:06	Lead Paint	232 E Grand B1	Bedroom	В	Window	Sash	Wood	Intact	Negative
7692 1	12:16:33	Lead Paint	232 E Grand B1	Bedroom	В	Window	Jamb	Wood	Intact	Negative
	12:16:55	Lead Paint	232 E Grand B1	Bedroom	В	Window	Sill	Wood	Intact	Negative
7694 1	12:34:18	Lead Paint	232 E Grand 101	Living Room	А	Room	Wall	Drywall	Intact	Negative
7695 1	12:34:44	Lead Paint	232 E Grand 101	Living Room	В	Room	Wall	Drywall	Intact	Negative
	12:35:08	Lead Paint	232 E Grand 101	Living Room	С	Room	Wall	Drywall	Intact	Negative
7697 1	12:35:28	Lead Paint	232 E Grand 101	Living Room	D	Room	Wall	Drywall	Intact	Negative
7698 1	12:36:00	Lead Paint	232 E Grand 101	Living Room	D	Room	Ceiling	Drywall	Intact	Negative
7699 1	12:36:37	Lead Paint	232 E Grand 101	Living Room	С	Room	Baseboard	Wood	Intact	Negative
	12:37:17	Lead Paint	232 E Grand 101	Living Room	С	Door		Wood	Intact	Negative
7701 1	12:37:38	Lead Paint	232 E Grand 101	Living Room	С	Door	Casing	Wood	Intact	Negative
7702 1	12:38:29	Lead Paint	232 E Grand 101	Living Room	А	Window	Sash	Wood	Intact	Negative
	12:38:51	Lead Paint	232 E Grand 101	Living Room	А	Window	Casing	Wood	Intact	Negative
7704 1	12:39:14	Lead Paint	232 E Grand 101	Living Room	А	Window	Sill	Wood	Intact	Negative
7705 1	12:39:45	Lead Paint	232 E Grand 101	Living Room	А	Window	Apron	Wood	Intact	Negative
7706 1	12:40:31	Lead Paint	232 E Grand 101	Family Room	А	Room	Wall	Drywall	Intact	Negative

Appendix C All XRF Readings

No.	Time	Туре	Apartment	Room	Side	Sturcture	Member	Substrate	Condition	Results
7707	12:40:56	Lead Paint	232 E Grand 101	Family Room	В	Room	Wall	Drywall	Intact	Negative
7708	12:41:21	Lead Paint	232 E Grand 101	Family Room	С	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	А	Room	Wall	Drywall	Intact	Negative
7714	12:45:09	Lead Paint	232 E Grand 101	Bedroom 1	В	Room	Wall	Drywall	Intact	Negative
7715	12:45:30	Lead Paint	232 E Grand 101	Bedroom 1	С	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	А	Room	Wall	Drywall	Intact	Negative
7725	12:51:19	Lead Paint	232 E Grand 101	Bedroom 2	В	Room	Wall	Drywall	Intact	Negative
7726	12:51:43	Lead Paint	232 E Grand 101	Bedroom 2	С	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	С	Room	Baseboard	Wood	Intact	Negative
7730	12:53:44	Lead Paint	232 E Grand 101	Bedroom 2	С	Window	Casing	Wood	Intact	Negative
7731	12:54:04	Lead Paint	232 E Grand 101	Bedroom 2	С	Window	Sill	Wood	Intact	Negative
7732	12:54:29	Lead Paint	232 E Grand 101	Bedroom 2	С	Window	Apron	Wood	Intact	Negative
7733	12:54:55	Lead Paint	232 E Grand 101	Bedroom 2	А	Closet	Door	Wood	Intact	Negative
7734	12:55:34	Lead Paint	232 E Grand 101	Bedroom 2	А	Closet	Casing	Wood	Intact	Negative
7735	12:56:03	Lead Paint	232 E Grand 101	Bedroom 2	А	Door		Wood	Intact	Negative
7736	12:56:27	Lead Paint	232 E Grand 101	Bedroom 2	А	Door	Casing	Wood	Intact	Negative
7737	12:57:40	Lead Paint	232 E Grand 101	Kitchen	А	Room	Wall	Drywall	Intact	Negative
7738	12:58:03	Lead Paint	232 E Grand 101	Kitchen	В	Room	Wall	Drywall	Intact	Negative
7739	12:58:24	Lead Paint	232 E Grand 101	Kitchen	С	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

Appendix C All XRF Readings

No.	Time	Туре	Apartment	Room	Side	Sturcture	Member	Substrate	Condition	Results
7743	13:00:10	Lead Paint	232 E Grand 101	Kitchen	С	Door		Metal	Intact	Negative
7744	13:00:32	Lead Paint	232 E Grand 101	Kitchen	С	Door	Casing	Wood	Intact	Negative
7745	13:00:58	Lead Paint	232 E Grand 101	Kitchen	С	Window	Casing	Wood	Intact	Negative
7746	13:01:21	Lead Paint	232 E Grand 101	Kitchen	С	Window	Sill	Wood	Intact	Negative
7747	13:01:41	Lead Paint	232 E Grand 101	Kitchen	С	Window	Apron	Wood	Intact	Negative
7748	13:02:40	Lead Paint	232 E Grand 101	Bathroom	А	Room	Wall	Drywall	Deteriorate	Negative
7749	13:03:04	Lead Paint	232 E Grand 101	Bathroom	В	Room	Wall	Drywall	Intact	Negative
7750	13:03:26	Lead Paint	232 E Grand 101	Bathroom	С	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	В	Door	Jamb	Wood	Intact	Negative
7754	13:05:24	Lead Paint	232 E Grand 101	Bathroom	В	Door		Wood	Intact	Negative
7755	13:06:47	Lead Paint	232 E Grand 101	Hallway	В	Room	Wall	Drywall	Intact	Negative
7756	13:07:08	Lead Paint	232 E Grand 101	Hallway	С	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 assessment9/9/2020			
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, mi	ssing 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





Lead

- < RL

*Based on sampling information supplied by the client.

ANALYTICAL LABORATORY REPORT		Monday, September 21, 2020		Page 1 of 5	
CU <b>STOMER:</b> ASTI Envi 10448 Cit Brighton,			DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	: Monday, September 14, 11284 2020-09-14-005	2020
LAB NUMBER: AD0088	34				
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	
Analysis Method: El	I: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES) sday, September 15, 2020	Method for Detern			
*Sample Area: 1.0 s	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
<b>Lead</b> *Based on samp	- < RL ling information supplied	5.0 ug d by the client.	- < RL	5.0 ug/ft ²	
AB NUMBER: AD0088					
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	
Analysis Method: El	I: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES) sday, September 15, 2020	Method for Detern			
*Sample Area: 0.5 s	sq ft				
	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA	*CALCULATED REPORTING LIMIT (RL)	
ELEMENT		. ,	CONCENTRATION		
Lead	<ul> <li>&lt; RL</li> <li>oling information supplied</li> </ul>	5.0 ug d by the client.	- < RL	$\frac{10 \text{ ug/ft}^2}{10 \text{ ug/ft}^2}$	
Lead *Based on samp	oling information supplied	U			
Lead *Based on samp AB NUMBER: AD0088 Sampled By: John Schuite Job Location: 232 E Gran	oling information supplied	d by the client.	- < RL		
Lead *Based on samp AB NUMBER: AD0088 Sampled By: John Schuite Job Location: 232 E Gran Sample Identification: FL Preparation Method Analysis Method: El	oling information supplied 36 ema ed Blvd Unit 101	d by the client.	- < RL	10 ug/ft ²	
Lead *Based on samp AB NUMBER: AD0088 Sampled By: John Schuite Job Location: 232 E Gran Sample Identification: FL Preparation Method Analysis Method: El	oling information supplied 36 ema ad Blvd Unit 101 02 Living Room (Dining) Uni 1: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES) sday, September 15, 2020	d by the client.	- < RL	10 ug/ft ²	

GPI Laboratories, Inc. has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by GPI Laboratories, Inc. according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation. This report shall not be reproduced except in full, without written approval of GPI Laboratories, Inc..

5.0 ug

- < RL

5.0 ug/ft²



ANALYTICAL LABORATORY REPORT			Monda	Monday, September 21, 2020		
	vironmental itation Dr. , MI 48116		DATE RECEIVEI PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14</li> <li>11284</li> <li>2020-09-14-005</li> </ul>	., 2020	
AB NUMBER: AD008	87					
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		
Analysis Method: E	d: EPA 3050B-M-W (Act PA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr	· · ·			
*Sample Area: 0.5	6 sq ft					
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)		
Lead *Based on sam	7.3 ug pling information supplied	5.0 ug d by the client.	13 ug/ft ²	8.9 ug/ft ²		
AB NUMBER: AD008	88					
Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: F	nd Blvd Unit 101			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	2	
Analysis Method: E	d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr				
*Sample Area: 1.0	sq ft					
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)		
Lead *Based on sam	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug d by the client.	- < RL	5.0 ug/ft ²		
AB NUMBER: AD008	89					
Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F	tema nd Blvd Unit 101			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	2	
Analysis Method: E	<b>d:</b> EPA 3050B-M-W (Ac EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr	· · ·			
*Sample Area: 1.0						
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)		
Load	< D1	5.0.00	< DI	$5.0 \mu g/ft^2$		

Lead-< RL</th>5.0 ug-< RL</th> $5.0 \text{ ug/ft}^2$ *Based on sampling information supplied by the client.



	BORATORY REPO			y, September 21, 2020	Page 3 of
USTOMER: ASTI Environmental 10448 Citation Dr. Brighton, MI 48116		DATE RECEIVED: PO/PROJECT #: SUBMITTAL #:	Monday, September 14, 11284 2020-09-14-005	2020	
AB NUMBER: AD008	90				
Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: V	nd Blvd Unit 101			Date Sampled: 09/09/2020	
Analysis Method: E	d: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES 1 esday, September 15, 2020	Method for Detern			
*Sample Area: 0.2	5 sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug	- < RL	20 ug/ft ²	
Dubbu on built	ping moments suppres				
Preparation Metho Analysis Method: E		d Digestion for Su Method for Detern	s urface Wipe Samples)	Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
*Sample Area: 1.0					
ELEMENT Lead	ANALYTE CONCENTRATION - < RL	ANALYTE REPORTING LIMIT (RL) 5.0 ug	*AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 5.0 ug/ft ²	
	pling information supplied	i by the chefit.			
AB NUMBER: AD008 Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: V	ema			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Preparation Metho	d: EPA 3050B-M-W (Aci 2PA 6010C-M (ICP-AES 1	-			

*Sample Area: 0.25 sq ft

		ANALYTE		*CALCULATED
ELEMENT	ANALYTE CONCENTRATION	REPORTING LIMIT (RL)	*AREA CONCENTRATION	REPORTING LIMIT (RL)
Lead	5.5 ug	5.0 ug	22 ug/ft ²	20 ug/ft ²
*Based on sam	pling information supplied	d by the client.		



USTOMER: ASTI Environmental 10448 Citation Dr. Brighton, MI 48116		DATE RECEIVED: PO/PROJECT #: SUBMITTAL #:	Monday, September 14, 2020 11284 2020-09-14-005	
AB NUMBER: AD008	393			
Sampled By: John Schu	itema		Da	te Sampled: 09/09/2020
Job Location: 232 E Grand Blvd Unit 101		Sa	mple Description: Dust Wipe	
Sample Identification:	FL-06 Clothes Room (Bed 1) Uni	t 101		
Analysis Method:	EPA 6010C-M (ICP-AES	Method for Determ	nination of Metals)	
e	esday, September 15, 2020		nination of Metals)	
Date Analyzed: Tu	esday, September 15, 2020		*	CALCULATED REPORTING LIMIT (RL)
Date Analyzed: Tu *Sample Area: 1.0	esday, September 15, 2020 9 sq ft ANALYTE	) ANALYTE REPORTING	*AREA	REPORTING

Job Location: 232 E Grand Blvd Unit 101 Sample Identification: WS-06 Clothes Room (Bed 1) Unit 101

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

		ANALYTE		*CALCULATED
ELEMENT	ANALYTE CONCENTRATION	REPORTING LIMIT (RL)	*AREA CONCENTRATION	REPORTING LIMIT (RL)
Lead	5.7 ug	5.0 ug	12 ug/ft ²	10 ug/ft ²
*Based on sam	pling information supplie	d by the client.		

Based on sampling information supplied by the client.



Monday, September 21, 2020 Page

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CUSTOMER: ASTI Environmental	DATE RECEIVED:	Monday, September 14, 2020
10448 Citation Dr.	<b>PO/PROJECT #:</b>	11284
Brighton, MI 48116	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) (<u>www.deq.louisiana.gov</u>) OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (<u>www.deq.state.ok.us</u>)

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 Emission Element/Test Suspended Partic Lead in Airborne I Lead in Airborne I Metals in Airborne	ulates: PM10 / TSP Dust Dust	Method 40 CFR 50 Appendix J / 40 CFR 5 40 CFR 50 Appendix G NIOSH 7300 NIOSH 7300	0 Appendix B	<u>Accreditation(s)</u> NY, LA A2LA, LA A2LA, OH, NY, LA A2LA
Solid Chemical M				
Element/Test	-	Method		Accreditation(s)
TCLP Lead in Soil		EPA 1311(Sample Preparation Me EPA 3050B/ EPA 6010C	ethod)	NY, LA, OK
Lead in Soli		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA, OK A2LA, OH, NY, LA
Lead in Paint		ASTM D 3335-85A/ EPA 6010C		NY
Lead in Dust Wipe		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA
Ignitability		EPA 1010A		NY
pH		EPA 9045D		NY
	<u>Non-Potable Water / A</u>	nalysis by ICP	Solid Chemic	<u>cal Materials</u>
Element/Test	Non-Potable Water / A Method	nalysis by ICP <u>Accreditation(s)</u>	Solid Chemi	cal Materials Method Accreditation(s)
<u>Element/Test</u> Arsenic		Accreditation(s)	Solid Chemic EPA 6010C	
	Method	4.4 NY, LA, OK		Method Accreditation(s)
Arsenic	<u>Method</u> EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C	Method Accreditation(s) NY, LA, OK
Arsenic Barium Cadmium Chromium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470	Accreditation(s)           4.4         NY, LA, OK           A         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK

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(616) 940-3112   GRLab ental Address: TCLP (Waste) Lead RCRA (8) Metals Erecard, and American Exp Date/Time Sampled	nd Rapids MI 49512-4054 osInfo@gpinet.com   www.gp 10448 Citation Dr. Brighton, MI 48116 Metals Content Lead Lead, Cad., Chrome. RCRA (8) Metals ress. *Accelerated Turnaround Sample Identificatio	inet.com Company Contact: Dave Ar Telephone: damir@asti-er E-Mail: jschuitema@asti-er Other Tests DH (Corrosivity) Ignitability VOC (Method 24, etc) Is not available for every test.	nv.com env.com Same Day* Rush* Standard	Properly Conta ASTM E1792 v Adequate Ph A Lab acidified: E P.O./Proj #: Location: <b>232 E</b> Comments: Wipes	wipes Adjust By/Date: 11284 <b>Granc</b>	YES M YES M	10 MA
TCLP (Waste)  Lead  RCRA (8) Metals  rerCard, and American Exp Date/Time Sampled	Metals Content    Metals Content  Lead  Lead, Cad., Chrome.  RCRA (8) Metals  ress. *Accelerated Turnaround	Telephone: damir@asti-en E-Mail: jschuitema@asti-en Other Tests DPH (Corrosivity) Ignitability VOC (Method 24, etc)	nv.com env.com Same Day* Rush* Standard	Location: 232 E Comments:	Grand		101
TCLP (Waste)  Lead  RCRA (8) Metals  rerCard, and American Exp Date/Time Sampled	Metals Content    Metals Content  Lead  Lead, Cad., Chrome.  RCRA (8) Metals  ress. *Accelerated Turnaround	E-Mail: jschuitema@asti-e Other Tests DpH (Corrosivity) Ignitability VOC (Method 24, etc)	Tumaround Time	Location: 232 E Comments:	Grand		101
Lead RCRA (8) Metals RCRA (8) Metals C RCRA, and American Exp Date/Time Sampled	Lead Lead, Cad., Chrome. RCRA (8) Metals 	Other Tests Definition	Turnaround Time	Comments:			
Lead RCRA (8) Metals RCRA (8) Metals C RCRA, and American Exp Date/Time Sampled	Lead Lead, Cad., Chrome. RCRA (8) Metals 	pH (Corrosivity) Ignitability VOC (Method 24, etc)	Same Day*			0	
CRCRA (8) Metals	Lead, Cad., Chrome.	☐ Ignitability ☐ VOC (Method 24, etc)	Rush*	Wipes	Air	0	
Date/Time Sampled		l is not available for every test.	Please call for information.	Wipes	Air	0	
Date/Time Sampled		is not available for every test.	Please call for information.			Sampling Filt	ers
	Sample Identification			Area wiped		D PM10	
9/9/20 Bels.0		on / Location:	Special Instructions:	(sq.ft.)	Minutes	Flow Rate	UNITS
	m (Living)	unit 101		IZNIZ	1		
1 Bullion	~ (Living)			6×12			
Living	Room ( Aring)			IZNR			
Livin	Room (DANIE)			5×16	1	1.00	
chi	( Bittroom			IZXIZ			
Ctot	(51)	+4					
Kitchen				12×12			
K.fele-	n			3×12			
Dany	Room (Bel 2)			12+12	1		
Dinte	(Rel 2)			1.5x24			
clothus	Room (Berl 1)						
St Clopes	Room (12d 2)	*					
n Schuitema		1	Signature:				
	Date/Time:	Relinquished Date/Time:				Page	e ( of
	Living Living Ctatt Ctatt Ctatt Kitchen Dmm Dintm Clothus St Clotes	Bullion (Living) Living Room (Dining) Living Room (Dining) Cathering Boom (Dining) Cathering Boom (Dining) Kitchen Kitchen Dining Room (Dining) Kitchen Dining Room (Dining) Clother Room (Dining) Clother Room (Dining) Clother Room (Dining) Clother Room (Dining) Dining Coom (Dining) Clother Room (Dining) Dining Coom (Dining) Dining Coo	Bullion       (Living)         Living Room       Date/Time:         Clother       Bullion         Dring Room       Bullion         Bullion       Bullion	Bulloon       (Living)         Living Room       (Dinic)         Chill       (Bulloon)         Dining Room       (Bulloon)         Dining Room       (Bulloon)         Dining Room       (Bulloon)         Clobus Room       (Bulloon)         Clobus Room       (Bulloon)         Date Submitted:       9/10/20         Signature:	Bullion (Listing)       6x 12         Living Rown (Drive)       12x12         Living Rown (Drive)       5x16         Chit (Chita)       5x16         Chita (Chita)       12x12         Kitchen       1.5x24         Livit Zeiten       1.5x24         Livit Zeiten       1.5x24         Livit Zeiten       1.5x24         Livit Zeiten       1.5x24	Belton (Linn) $6x 12$ Living Rosen (Densen) $12x12$ Living Rosen (Densen) $5x16$ Chill (Densen) $12x12$ Kitclen $12x12$ Dimin Room (Bul 2) $1.5x2y$ Clobus Room (Bul 2) $1.5x2y$ Clobus Room (Bul 2) $5x1y$ Clobus Room (Bul 2) $5x1y$ Clobus Room (Bul 2) $5x1y$ Date Submitted: $9/10/20$ Signature:	Buttom (Living)       6x 12         Living Room (Driven)       123 12         Living Room (Driven)       5x 16         Catal Catal       5x 16         Catal Catal       12x 12         Katelon       12x 12         Katelon       12x 12         Nong Room (Bul 2)       12x 12         Dring Room (Bul 2)       1.5x 29         Clother Room (Eul 2)       5x 19         Date/Time:       Relinquished Date/Time:         Date/Time:       Relinquished Date/Time:         Date/Time:       Relinquished Date/Time:



LIMIT (RL)

5.0 ug/ft²

ANALYTICAL LABORATORY REPORT		Monda	Monday, September 21, 2020		
	vironmental itation Dr. , MI 48116		DATE RECEIVEI PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 11284</li> <li>2020-09-14-006</li> </ul>	2020
AB NUMBER: AD008	95				
Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: F				Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sam	- < RL pling information supplied	5.0 ug d by the client.	- < <b>R</b> L	5.0 ug/ft ²	
Preparation Metho Analysis Method: E		Method for Deterr	urface Wipe Samples)	Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
*Sample Area: 0.5	8 sq ft				
ELEMENT Lead *Based on sam	ANALYTE CONCENTRATION - < RL pling information supplied	ANALYTE REPORTING LIMIT (RL) 5.0 ug d by the client	*AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 8.6 ug/ft ²	
,		a by the chent.			
AB NUMBER: AD008 Sampled By: John Schuir Job Location: 232 E Gra Sample Identification: F	tema			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	<b>d:</b> EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0					
EI EMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (PL)	*AREA	*CALCULATED REPORTING LIMIT (PL)	

Lead - < RL 5.0 ug - < RL

*Based on sampling information supplied by the client.

CONCENTRATION

ELEMENT

GPI Laboratories, Inc. has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by GPI Laboratories, Inc. according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation. This report shall not be reproduced except in full, without written approval of GPI Laboratories, Inc..

LIMIT (RL)

CONCENTRATION



ANALYTICAL LAB	ORATORY REPO	RT	Monda	ay, September 21, 2020	Page 2 of
C <b>USTOMER:</b> ASTI Envir 10448 Cita Brighton, N	tion Dr.		DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 11284</li> <li>2020-09-14-006</li> </ul>	2020
LAB NUMBER: AD00898					
Sampled By: John Schuiten Job Location: 232 E Grand Sample Identification: WS-	Blvd Unit 201			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: EP	EPA 3050B-M-W (Aci A 6010C-M (ICP-AES lay, September 15, 2020	Method for Deterr			
*Sample Area: 0.56 s	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sample	- < RL ing information supplied	5.0 ug d by the client.	- < <b>R</b> L	8.9 ug/ft ²	
LAB NUMBER: AD00899	,				
Sampled By: John Schuiten Job Location: 232 E Grand Sample Identification: FL-	Blvd Unit 201			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: EP	EPA 3050B-M-W (Aci A 6010C-M (ICP-AES ) lay, September 15, 2020	Method for Deterr			
*Sample Area: 1.0 sc	l ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sampli	<ul> <li>&lt; RL ing information supplied</li> </ul>	5.0 ug d by the client.	- < <b>R</b> L	5.0 ug/ft ²	
AB NUMBER: AD00900					
Sampled By: John Schuiten Job Location: 232 E Grand Sample Identification: WT	Blvd Unit 201			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: EP	EPA 3050B-M-W (Aci A 6010C-M (ICP-AES lay, September 15, 2020	Method for Deterr			
*Sample Area: 0.17 s	sq ft	ANALYTE		*CALCULATED	

		ANALYTE		*CALCULATED
	ANALYTE	REPORTING	*AREA	REPORTING
ELEMENT	CONCENTRATION	LIMIT (RL)	CONCENTRATION	LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	29 ug/ft ²
*Based on sam	pling information supplied	d by the client.		



CUSTOMER: ASTI Environmental 10448 Citation Dr. Brighton, MI 48116		DATE RECEIVED: PO/PROJECT #: SUBMITTAL #:	Monday, September 14, 20 11284 2020-09-14-006	20	
AB NUMBER: AD009	01				
Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: F	nd Blvd Unit 201			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES I ssday, September 15, 2020	Method for Detern			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
	- < RL pling information supplied	5.0 ug	- < RL	5.0 ug/ft ²	
Analysis Method: E	L-05 Bedroom 1 Unit 201 d: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES 1 sday, September 15, 2020	Method for Detern			
	sq ft	ANALYTE REPORTING	*AREA	*CALCULATED REPORTING	
*Sample Area: 1.0 ELEMENT	ANALYTE CONCENTRATION	LIMIT (RL)	CONCENTRATION	LIMIT (RL)	
ELEMENT Lead		LIMIT (RL) 5.0 ug		$\frac{\text{LIMIT (RL)}}{5.0 \text{ ug/ft}^2}$	
ELEMENT Lead	CONCENTRATION - < RL pling information supplied	LIMIT (RL) 5.0 ug	CONCENTRATION		
ELEMENT Lead *Based on sam AB NUMBER: AD009 Sampled By: John Schuit Job Location: 232 E Gra	CONCENTRATION - < RL pling information supplied 03 ema	LIMIT (RL) 5.0 ug	CONCENTRATION - < RL		

ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	12 ug/ft ²
*Based on sam	pling information supplied	d by the client.		



ANALYTICAL LA	BORATORY REPO	RT	Monda	ay, September 21, 2020	Page 4 of
	vironmental itation Dr. , MI 48116		DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 11284</li> <li>2020-09-14-006</li> </ul>	, 2020
AB NUMBER: AD009	04				
Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F				Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	<b>d:</b> EPA 3050B-M-W (Ac. EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0 ELEMENT	sq ft ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
<b>Lead</b> *Based on sam	- < RL pling information supplied	5.0 ug d by the client.	- < <b>R</b> L	5.0 ug/ft ²	
AB NUMBER: AD009	05				
Sampled By: John Schui Job Location: 232 E Gra Sample Identification: V				Date Sampled:09/09/2020Sample Description:Dust Wipe	
Analysis Method: E	<b>d:</b> EPA 3050B-M-W (Ac EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 0.5	6 sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Paged on com	- < RL pling information supplied	5.0 ug	- < RL	8.9 ug/ft ²	
		d by the cheft.			
AB NUMBER: AD009 Sampled By: John Schuir Job Location: 232 E Gra	tema			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
•	L-07 Under Sink Unit 201				
Analysis Method: E	d: EPA 3050B-M-W (Ac EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	



Monday, September 21, 2020

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CUSTOMER: ASTI Environmental	DATE RECEIVED:	Monday, September 14, 2020
10448 Citation Dr.	<b>PO/PROJECT #:</b>	11284
Brighton, MI 48116	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.

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.deg.louisiana.gov) OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deg.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 Emission Element/Test Suspended Partic Lead in Airborne I Lead in Airborne I Metals in Airborne	ulates: PM10 / TSP Dust Dust	Method 40 CFR 50 Appendix J / 40 CFR 5 40 CFR 50 Appendix G NIOSH 7300 NIOSH 7300	0 Appendix B	<u>Accreditation(s)</u> NY, LA A2LA, LA A2LA, OH, NY, LA A2LA
Solid Chemical M				
Element/Test	-	Method		Accreditation(s)
TCLP Lead in Soil		EPA 1311(Sample Preparation Me EPA 3050B/ EPA 6010C	ethod)	NY, LA, OK
Lead in Soli		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA, OK A2LA, OH, NY, LA
Lead in Paint		ASTM D 3335-85A/ EPA 6010C		NY
Lead in Dust Wipe		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA
Ignitability		EPA 1010A		NY
pH		EPA 9045D		NY
	Non-Potable Water / A	nalysis by ICP	Solid Chemic	<u>cal Materials</u>
Element/Test	Non-Potable Water / A Method	nalysis by ICP <u>Accreditation(s)</u>	Solid Chemi	cal Materials Method Accreditation(s)
<u>Element/Test</u> Arsenic		Accreditation(s)	Solid Chemic EPA 6010C	
	Method	4.4 NY, LA, OK		Method Accreditation(s)
Arsenic	<u>Method</u> EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C	Method Accreditation(s) NY, LA, OK
Arsenic Barium Cadmium Chromium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470	Accreditation(s)           4.4         NY, LA, OK           A         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK

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GPI Laboratories, Inc.       ASTM E1732 wipes       YES       N///         Company:       ASTTI Environmental       Address:       10448 Citation Dr. Brighton, MI 48116       Company Contact: Dave Amir       P.O./Proj # 11284       Location:       Uww         Matrix       TCLP (Waste)       Metals Content       Other Tests       Turnaround Time       Comments:       Comments:         Paint Chips       Wipe       Lead       Lead       Ignitability       Same Day*       Comments:       Comments:         Soil       Filter       RCRA (8) Metals       Lead, Cad., Chrome.       Ignitability       Rush*       VOC (Method 24, etc)       Same Day*       Sampling Filters         Wastewater       Dust       Date/Time       Accelerated Turnaround is not available for every test. Please call for information.       Area wiped       37 mm Cassette			Cond To:	CHAIN	OF CUSTODY	FORM					USE ONLY	
Brighton, MI 48116       Telephone Camily Saturenv.com       232 E Grand Blvd       Comments         Paint Chips @ Wipe       Lead       Brighton, MI 48116       Content Saturenv.com       232 E Grand Blvd       20         Paint Chips @ Wipe       Lead       Brighton, MI 48116       Differ Tests       Tumaround Time       Comments:       Comments:         Soil       Filter       Lead       Brighton, Camily       Barne Day			4403 Donker (616) 940-31	Court, Grand R 12   GRLabsInfo	gpinet.com   www.gpi	inet.com			ASTM E1792 Adequate Ph	wipes Adjust	YES 0	10 N/A
Brighton, MI 48116         Telephone: Caming Sathenv.com         Consult.	Company: AST	rl Environn	nental	Address: 104	48 Citation Dr.	Company Co	ntact: Dave Am	nir	P.O./Proj #	11284		
Matrix       TCLP (Waste)       Metals Content       Other Tests       Turnaround Time       Comments:         Paint Chips If Wipe       Lead       Lead       Indext (Chips If Wipe)       Same Day'       Same Day'         Abrasive       Dust       RCRA (8) Metals       Indext (Chips If Wipe)       Indext (Wipe)       Ar Sampling Filters         Bell Lead call       Date/Time       Sampled Manerican Express. *Accelerated Turnaround is not available for every test. Please call for information.       Area wipe)       Indext (Wipe)       Index (Wipe)       Indext (Wipe)       In				Brig	hton, MI 48116	Telephone: C	lamir@asti-er	iv.com				Unit
Paint Chips       Whee Boat       Lead BCRA (8) Metals       Lead BLead, Cad, Chrome. Broke Cad, Chrohow. Broke Cad, Chrome. Broke Cad, Chrome. B						E-Mail: jschu	uitema@asti-e		232 E	Grand	d Blvd	201
Z Soil       Filter       RCRA (8) Metals       Ignitability       Rush*       Interviewed       Rush*         Abrasive       Dual       RCRA (8) Metals       IVOC (Method 24, etc)       IVOE (Meth									Comments:	3		
GPI Labs accepts Visa, MasterCard, and American Express. * Accelerated Turnaround is not available for every test. Please call for information.       TSP       PM10         Laboratory       Sample       DeterTime       Sample dentification / Location:       Special Instructions:       Image: Construction of the construling of the construction of the construction o	Soil Abrasive	🔲 Filter	RCRA (8) M	letals	Lead, Cad., Chrome.		/	Rush*				• (1)(2)
Laboratory       Sample       DetexTime       Sample       Sample dentification / Location:       Special instructions: $detext{model}{getext{model}{h}}$ $detext{model}{model}{h}$ LDD0.89 5       F1-01       9/1/20       Lives, Foon       yut Zol       12x72       1       1         AD00.89 1       WT-01       h       i       3x28       1       1         AD00.89 1       WT-02       WT-01       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j       j <th></th> <th>ccepts Visa. Ma</th> <th>asterCard, and Ar</th> <th>merican Express</th> <th>*Accelerated Turnaround</th> <th>Lis not available</th> <th>for every test</th> <th>lease call for information</th> <th> Wipes</th> <th>1</th> <th></th> <th>ters</th>		ccepts Visa. Ma	asterCard, and Ar	merican Express	*Accelerated Turnaround	Lis not available	for every test	lease call for information	Wipes	1		ters
AD00895       FI-01 $9/4/20$ Liven, Room $12xrz$ 12xrz $AD008940$ $WT-01$ $n$ $n$ $3x2x$ 1 $AD008977$ FI-02       Dinm, Room       12xrz       1 $AD0089877$ FI-02       Dinm, Room       12xrz       1 $AD0089877$ FI-02       Dinm, Room       12xrz       1 $AD0089877$ FI-03       Kitun       12xrz       1 $AD008997$ FI-03       Kitun       12xrz       1 $AD009900$ WT-03       11       11       1 $AD00900$ FI-03       Kitun       12xrz       1 $AD00900$ FI-04       Suffroom       12xrz       1 $AD00900$ FI-07       Betroom 1       12xrz       1 $AD00900$ FI-05       Betroom 2       12xrz       1 $AD00900$ WI-05       11       11       1 $AD00900$ WI-05       12xrz       1       1 $AD00900$ WI-05       Betroom 2       1       1       1 $AD00905$ WI-05       14       <	Laboratory	Sample	Date/Time				tor overy cost 1			🔲 37 mn	n Cassette	UNITS
$AD00894 \mu$ $WT-01$ h       ii       3x28       iii $AD008977$ $F1-02$ Dinm, Room       iii       iii       iii       iii $AD008977$ $F1-02$ Dinm, Room       iii       iii       iii       iii $AD008977$ $F1-02$ Dinm, Room       iii       iii       iii       iii $AD008977$ $F1-03$ K+tun       iii       iii       iii       iii $AD008979$ $F1-03$ K+tun       iii       iii       iii       iii $AD008900$ $WT-03$ iii       iii       iii       iii       iii $AD00902$ $F1-03$ K+tun       iii       iii       iii       iii $AD00902$ $F1-07$ Betroom 2       iii       iii       iii       iii       iii $AD00903$ $WJ-uS$ iii       iii       iii       iii       iii       iii       iii $AD00904$ $F1-06$ Betroom 2       iii       <	000895	F1-01	9/9/20	hiery Roa			201					
42008977 $F1-072$ $Dinm, Room$ $12 K 12$ $12 K 12$ $4D00898$ $65-02$ $11$ $11$ $5K 14$ $5K 14$ $4D00899$ $F1-03$ $K + dun$ $12 K 12$ $12 K 12$ $12 K 12$ $4D00990$ $K + 03$ $11$ $11 K + 06$ $12 K + 2$ $11 K + 2$ $4D00902$ $F1 - 04$ $Bethroom$ $12 K + 2$ $12 K + 2$ $12 K + 2$ $4D00902$ $F1 - 04$ $Bethroom$ $12 K + 2$ $12 K + 2$ $12 K + 2$ $4D00902$ $F1 - 04$ $Bethroom$ $12 K + 2$ $12 K + 2$ $12 K + 2$ $4D00904$ $F1 - 04$ $Bethroom$ $12 K + 2$ $12 K + 2$ $12 K + 2$ $4D00904$ $F1 - 06$ $Bethroom$ $12 K + 2$ $12 K + 2$ $12 K + 2$ $4D00905$ $65 - 06$ $11 K + 2$ $12 K + 2$ <		WT-01	1	1					3×28			
AD00898       w5-02       ''''''''''''''''''''''''''''''''''''		F1-02		Dining 17	00 144				2			
AD00899 $FI-03$ $Kitun$ $I2ki2$ I         AD00900 $WF-03$ II $II$ $I2ki2$ I         AD00901 $FI-04$ $I3ethroom$ $I2ki2$ I         AD00902 $FI-05$ $Betroom 2$ I $I2ki2$ I         AD00902 $FI-05$ $Betroom 2$ I $I2ki2$ I         AD00904 $FI-06$ $Betroom 2$ I $I2ki2$ I         AD00905 $W5-05$ II       II       II       II       II         AD00905 $W5-06$ II       II       II       III       III       III       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII		W5-02					0		Sx 16			
4000900 $WT-03$ 1: $I.5x/6$ $I.5x/6$ $4000901$ $FI-04$ $I.3athroom$ $I.2k/2$ $I.2k/2$ $4000902$ $FI-05$ $Belroom 2$ $I.2k/2$ $I.2k/2$ $4000903$ $WJ-05$ $I.1$ $I.1$ $I.2k/2$ $I.2k/2$ $4000904$ $FI-06$ $Belroom 2$ $I.2k/2$ $I.2k/2$ $4000905$ $WS-06$ $I.1$ $I.1$ $I.2k/2$ $I.2k/2$ $4000905$ $WS-06$ $I.1$ $I.2k/2$ $I.2k/6$ $4000905$ $WS-06$ $I.1$ $I.2k/2$ $I.2k/6$ $4000906$ $FI-01$ $V.0k/2$ $V.0k/2$ $I.2k/2$ $4000906$ $FI-01$ $V.0k/2$ $I.2k/2$ $I.2k/2$ $4000906$ $FI-01$ $V.0k/2$ $I.2k/2$ $I.2k/2$ $V.0k/2$ $V.0k/2$ $V.0k/2$ $I.2k/2$ $I.2k/2$ $V.0k/2$ $V.0k/2$ $V.0k/2$ $I.2k/2$ $I.2k/2$ $V.0k/2$ $V.0k/2$ $V.0k/2$ $V.0k/2$ $I.0k/2$				Kitden	4							
DOD901       F1-04       Bathroom       12x12       1         DO0902       F1-05       Betroom       1       12x72       1         DO0903       WJ-US       11       11       1       5x12       1         DO0904       F1-06       Betroom       2       12x12       1       1         DO0905       WJ-US       11       11       1       1       1       1       1         DO0904       F1-06       Betroom       2       12x12       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <td< td=""><td></td><td>WT-03</td><td></td><td>- 0</td><td></td><td></td><td></td><td></td><td></td><td></td><td></td><td></td></td<>		WT-03		- 0								
HODOGO2       F1-05       Betroom 1       IZK/Z       IZK/Z         HODOGO3       WJ-05       II       II       II       II         HODOGO3       WJ-05       II       II       II       II         HODOGO3       WJ-05       II       II       II       II         HODOGO4       F1-06       Betroom 2       II       II       II         HODOGO5       WJ-05       II       II       II       II       II         HODOGO5       WJ-05       II       II       II       II       III       III       III       III       IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII				Bathroom			3		12×12			
HD00904       F1-06       Betrown 2       17×12       1         HD00905       WS-06       11       U       S×16       1         HD00905       F1-07       V       U       V       1       1         HD00905       F1-07       V       U       V       1       1       1         HD00905       F1-07       V       U       V       V       1       1       1         HD00905       F1-07       V       U       V       1       1       1       1         HD00905       F1-07       V       U       V       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1       1 <td< td=""><td></td><td>F1-05</td><td></td><td></td><td>1</td><td></td><td></td><td></td><td>IZAR</td><td></td><td></td><td></td></td<>		F1-05			1				IZAR			
AD00905 WS-06 II U AD00906 FI-07 Under Sink V Sink V Since V Sampled By Themasian Lohn Schwitzman				11 - O					5 × 12			
100905     WS-06     IIIIII     JXI6     JXI6       1000905     FI-07     Vindur Sink     IIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIIII	D00904	F1-06		Betroom 2					12412			
ADDOGD6 FI-07 V undr Sink V C	1000905	WS-06		10 U				1				
Sampled By (Please print) : John Schuitema     Date Submitted: 9/10/20     Signature:	4000906	F1-07	<b>V</b>	under Siv	·K	V	/					_
Sampled By (Please print) : John Schuitema Date Submitted: <u>9/10/20</u> Signature: Signature: Signature: Date/Time: Date/Time: Signature: Signatur												
Received by: Date/Time: Relinquished Date/Time: I/At-	Sampled By (	Please print) : Jo	ohn Schuite	ma	Date	Submitted: 9	10/20	_Signature:	4			
¥ /11 -	Received by:				Date/Time:	Relinquished	Date/Time:		VAT	-		
Received by: Date/Time: Relinquished Date/Time: Page o	Received by:			[	Date/Time:	Relinquished	Date/Time:		11	9/14	Pag	e of _
Internet         Interne         Internet         Internet										• ,		



ANALYTICAL LA	BORATORY REPO	RT	Monda	ay, September 21, 2020	Page 1 of
	vironmental tation Dr. , MI 48116		DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 2</li> <li>11284</li> <li>2020-09-14-007</li> </ul>	2020
AB NUMBER: AD009	07				
Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: F				Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Act PA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sam	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug d by the client.	- < <b>R</b> L	5.0 ug/ft ²	
Preparation Metho Analysis Method: E	tema	Method for Deterr	urface Wipe Samples)	Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
*Sample Area: 0.6	7 sq ft				
ELEMENT Lead *Based on sam	ANALYTE CONCENTRATION 13 ug pling information supplied	ANALYTE REPORTING LIMIT (RL) 5.0 ug d by the client.	*AREA CONCENTRATION 20 ug/ft ²	*CALCULATED REPORTING LIMIT (RL) 7.5 ug/ft ²	
AB NUMBER: AD009		-			
Sampled By: John Schuit Job Location: 232 E Gra	tema			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	<b>d:</b> EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr	• • •		
*Sample Area: 1.0					
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	

ELEMENTCONCENTRATIONLIMIT (RL)CONCENTRATIONLIMIT (RL)Lead- < RL</td>5.0 ug- < RL</td> $5.0 \text{ ug/ft}^2$ 

*Based on sampling information supplied by the client.



ANALYTICAL LAB	ORATORY REPO	RT	Monda	ay, September 21, 2020	Page 2 of
CU <b>STOMER:</b> ASTI Envi 10448 Cit: Brighton,			DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 11284</li> <li>2020-09-14-007</li> </ul>	2020
AB NUMBER: AD0091	0				
Sampled By: John Schuite Job Location: 232 E Gran Sample Identification: W:				Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: El	: EPA 3050B-M-W (Act PA 6010C-M (ICP-AES sday, September 15, 2020	Method for Deterr			
*Sample Area: 0.56	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead	13 ug ling information supplied	5.0 ug	22 ug/ft ²	8.9 ug/ft ²	
Analysis Method: El	: EPA 3050B-M-W (Act PA 6010C-M (ICP-AES sday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0 s ELEMENT Lead	ANALYTE CONCENTRATION - < RL	ANALYTE REPORTING LIMIT (RL) 5.0 ug	*AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 5.0 ug/ft ²	
	ling information supplied	d by the client.			
LAB NUMBER: AD0091 Sampled By: John Schuite Job Location: 232 E Gram Sample Identification: W3	ma d Blvd Unit 102			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: El	EPA 3050B-M-W (Act PA 6010C-M (ICP-AES sday, September 15, 2020	Method for Deterr			
*Sample Area: 0.21	sq ft	ANALYTE		*CALCULATED	

		ANALYTE		*CALCULATED
ELEMENT	ANALYTE CONCENTRATION	REPORTING LIMIT (RL)	*AREA CONCENTRATION	REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	24 ug/ft ²
*Decod on com	nling information sunnling	d by the alignt		

*Based on sampling information supplied by the client.



LIMIT (RL)

8.9 ug/ft²

ANALYTICAL LA	BORATORY REPO	RT	Mond	ay, September 21, 2020	Page 3 of
	vironmental itation Dr. , MI 48116		DATE RECEIVEI PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 2</li> <li>11284</li> <li>2020-09-14-007</li> </ul>	2020
AB NUMBER: AD009	013				
Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F	and Blvd Unit 102			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sam	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug d by the client.	- < RL	5.0 ug/ft ²	
AB NUMBER: AD009	014				
Sampled By: John Schuit	tema			Date Sampled: 09/09/2020	
Job Location: 232 E Gra				Sample Description: Dust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sam	- < RL pling information supplied	5.0 ug d by the client.	- < RL	5.0 ug/ft ²	
AB NUMBER: AD009	015				
Sampled By: John Schui				Date Sampled: 09/09/2020	
<b>Job Location:</b> 232 E Gra				Sample Description: Dust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr	• • •		
*Sample Area: 0.5					
EI EMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING	*AREA	*CALCULATED REPORTING	

Lead - < RL 5.0 ug

*Based on sampling information supplied by the client.

CONCENTRATION

ELEMENT

GPI Laboratories, Inc. has obtained accreditation under the programs detailed on the final page of the laboratory report. The accreditations pertain only to the testing performed for the elements, and in accordance with the test methods, listed in the scope of accreditation table. Testing which is performed by GPI Laboratories, Inc. according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation. This report shall not be reproduced except in full, without written approval of GPI Laboratories, Inc...

LIMIT (RL)

CONCENTRATION - < RL



Lead

ANALYTICAL LA	BORATORY REPO	RT	Monda	y, September 21, 2020	Page 4 of
	vironmental tation Dr. , MI 48116		DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 11284</li> <li>2020-09-14-007</li> </ul>	2020
LAB NUMBER: AD009	16				
Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: F				Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Act CPA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
<b>Lead</b> *Based on sam	- < RL pling information supplied	5.0 ug d by the client.	- < RL	5.0 ug/ft ²	
Preparation Metho Analysis Method: E Date Analyzed: Tue	VS-06 Bedroom 2 Unit 102 d: EPA 3050B-M-W (Act PA 6010C-M (ICP-AES esday, September 15, 2020	Method for Deterr	urface Wipe Samples)	Sample Description: Dust Wipe	
*Sample Area: 0.4. ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sam	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug d by the client.	- < <b>R</b> L	12 ug/ft ²	
AB NUMBER: AD009 Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: F	tema			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: E	<b>d:</b> EPA 3050B-M-W (Aci 2PA 6010C-M (ICP-AES 2sday, September 15, 2020	Method for Deterr	• • •		
*S1 A 10	sq ft				
*Sample Area: 1.0	1				

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5.0 ug

- < RL

*Based on sampling information supplied by the client.

Laboratories, Inc. according to other test methods, or for elements which are not included in the table fall outside of the current scope of laboratory accreditation. This report shall not be reproduced except in full, without written approval of GPI Laboratories, Inc..

- < RL

5.0 ug/ft²



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CUSTOMER: ASTI Environmental	DATE RECEIVED:	Monday, September 14, 2020
10448 Citation Dr.	<b>PO/PROJECT #:</b>	11284
Brighton, MI 48116	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) (<u>www.deq.louisiana.gov</u>) OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (<u>www.deq.state.ok.us</u>)

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 Emission Element/Test Suspended Partic Lead in Airborne I Lead in Airborne I Metals in Airborne	ulates: PM10 / TSP Dust Dust	Method 40 CFR 50 Appendix J / 40 CFR 5 40 CFR 50 Appendix G NIOSH 7300 NIOSH 7300	0 Appendix B	<u>Accreditation(s)</u> NY, LA A2LA, LA A2LA, OH, NY, LA A2LA
Solid Chemical M				
Element/Test	-	Method		Accreditation(s)
TCLP Lead in Soil		EPA 1311(Sample Preparation Me EPA 3050B/ EPA 6010C	ethod)	NY, LA, OK
Lead in Soli		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA, OK A2LA, OH, NY, LA
Lead in Paint		ASTM D 3335-85A/ EPA 6010C		NY
Lead in Dust Wipe		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA
Ignitability		EPA 1010A		NY
pH		EPA 9045D		NY
	Non-Potable Water / A	nalysis by ICP	Solid Chemic	<u>cal Materials</u>
Element/Test	Non-Potable Water / A Method	nalysis by ICP <u>Accreditation(s)</u>	Solid Chemi	cal Materials Method Accreditation(s)
<u>Element/Test</u> Arsenic		Accreditation(s)	Solid Chemic EPA 6010C	
	Method	4.4 NY, LA, OK		Method Accreditation(s)
Arsenic	<u>Method</u> EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C	Method Accreditation(s) NY, LA, OK
Arsenic Barium Cadmium Chromium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470	Accreditation(s)           4.4         NY, LA, OK           A         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK

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			CHAI	N OF CUSTODY	FORM				FOR LAB	USE ONLY	
	GPI Laboratories, Inc. 4403 Donker Court, Grand Rapids MI 49512-4054 (616) 940-3112   GRLabsInfo@gpinet.com   www.gpinet.com					Properly Contained     YES     NO       ASTM E1792 wipes     YES     NO       Adequate Ph Adjust     YES     NO       Lab acidified: By/Date:     YES     NO					
Company: ASTI Environmental Address: 10448 Citation Dr. Company C				Company Cor	tact: Dave An	nir	P.O./Proj #:	11284			
			Br	ighton, MI 48116	Telephone: da	amir@asti-er	IV.com	Location:			unit
					E-Mail: jschu	itema@asti-e	env.com	7232 E	Grand	d Blvd	102
<ul> <li>□ Paint Chips</li> <li>☑ Soil</li> <li>□ Abrasive</li> </ul>	Filter	TCLP ( Lead RCRA (8) M		Metals Content Lead Lead, Cad., Chrome. RCRA (8) Metals	Other Tests Dther		Tumaround Time Same Day* Rush* Standard	Comments:			
Wastewate		optorCord and A-	national Protocol					Wipes		r Sampling Fil	ters
Laboratory	Sample Number	Date/Time Sampled	nencan Expres	<ul> <li>*Accelerated Turnaround Sample Identification</li> </ul>		or every test. H	Special Instructions:	Area wiped	37 mm	PM10 n Cassette	
A000907	F1-01	9/9/20	Livrag		unit	107		(sq.ft.) 12612	Minutes	Flow Rate	UNITS
A000908	W5-01	1	Living R					6×16			
AD00909	F1-02		/ /	Loon				12×12			
ADOD910	45-02			61				5×16			
4000911	F1-03		Kitchen					12412			
AD00912	W5-03		t s ts					3×10			
AD00913	F1-04		Bathroom					ILAIR	1000		
AD00914	F1-05		Redroom	1				12412			
AD00915	W5-05		11 4					5+16			
AD00916	F1-06		Balroom	2				51×51			
AD00917	65-06		et 🦷	()				SXIZ		1	
A000918	F1-07	V	vyh	Sink	V			12×12			
Sampled By Received by: Received by:	(Please print) : <u>J</u>	ohn Schuiter	na	Date Date/Time: Date/Time:	Submitted: <u>9</u> Relinquished I Relinquished I		Signature:			Den	
Method of Shipr	ment:							Л	т 114	rage	e <u> </u>
Received for La	boratory by:	ara tarsa	N	Date/Time	e:9/14/20	11.16	Submittal #: 2020 - 09	- 14-00	7	1/18/17 Fo	orm #: 53-12



STOMER: ASTI Env 10448 Cit Brighton,			DATE RECEIVED: PO/PROJECT #: SUBMITTAL #:	Monday, September 14, 11284 2020-09-14-008	2020
B NUMBER: AD009	19				
Sampled By: John Schuite Job Location: 232 E Gran Sample Identification: Fl				ate Sampled: 09/09/2020 ample Description: Dust Wipe	
Analysis Method: E	l: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES I sday, September 15, 2020	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on samp	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug 1 by the client.	- < RL	5.0 ug/ft ²	
B NUMBER: AD0092	20				
Sampled By: John Schuite Job Location: 232 E Grar Sample Identification: W				ate Sampled: 09/09/2020 ample Description: Dust Wipe	
Analysis Method: E	<b>1:</b> EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES I sday, September 15, 2020	Method for Deterr			
*Sample Area: 0.83	3 sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on samp	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug l by the client.	- < RL	6.0 ug/ft ²	
B NUMBER: AD0092	21				
Sampled By: John Schuit Job Location: 232 E Grar Sample Identification: Fl				eate Sampled: 09/09/2020 ample Description: Dust Wipe	
	l: EPA 3050B-M-W (Aci				

*Sample Area: 1.0 sq ft

		ANALYTE		*CALCULATED
ELEMENT	ANALYTE CONCENTRATION	REPORTING LIMIT (RL)	*AREA CONCENTRATION	REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft ²
*Based on sam	pling information supplied	d by the client.		



ANALYTICAL LABORATORY REPOR	RT

Monday, September 21, 2020 Pag

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10448 C	vironmental itation Dr. 1, MI 48116		DATE RECEIVEI PO/PROJECT #: SUBMITTAL #:	<ul> <li>Monday, September 14, 2020</li> <li>11284</li> <li>2020-09-14-008</li> </ul>
B NUMBER: AD009	022			
Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F	and Blvd Unit B-1			Date Sampled:09/09/2020Sample Description:Dust Wipe
Analysis Method: H	<b>bd:</b> EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES ) esday, September 15, 2020	Method for Deterr	• • •	
*Sample Area: 1.0	sq ft			
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Lead *Based on sam	<ul> <li>&lt; RL</li> <li>appling information supplied</li> </ul>	5.0 ug d bv the client.	- < <b>R</b> L	5.0 ug/ft ²
Job Location: 232 E Gra Sample Identification: F	FL-04 Hall Unit B-1			Sample Description: Dust Wipe
Sample Identification: F Preparation Metho Analysis Method: F Date Analyzed: Tue	d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES) esday, September 15, 2020	Method for Deterr		· · ·
Sample Identification: F Preparation Metho Analysis Method: F	d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES) esday, September 15, 2020	Method for Deterr		*CALCULATED REPORTING LIMIT (RL)
Sample Identification: F Preparation Method Analysis Method: F Date Analyzed: Tuo *Sample Area: 1.0 ELEMENT Lead	od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES ) esday, September 15, 2020 9 sq ft ANALYTE CONCENTRATION - < RL	Method for Deterr ) ANALYTE REPORTING LIMIT (RL) 5.0 ug	nination of Metals) *AREA	*CALCULATED REPORTING
Sample Identification: F Preparation Method Analysis Method: F Date Analyzed: Tuo *Sample Area: 1.0 ELEMENT Lead	od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES ) esday, September 15, 2020 9 sq ft ANALYTE CONCENTRATION	Method for Deterr ) ANALYTE REPORTING LIMIT (RL) 5.0 ug	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Sample Identification: F Preparation Method Analysis Method: F Date Analyzed: Tuo *Sample Area: 1.0 ELEMENT Lead	od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 esday, September 15, 2020 o sq ft ANALYTE CONCENTRATION - < RL apling information supplied 224 itema and Blvd Unit B-1	Method for Deterr ) ANALYTE REPORTING LIMIT (RL) 5.0 ug	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
Sample Identification: F Preparation Method Analysis Method: F Date Analyzed: Tuc *Sample Area: 1.0 ELEMENT Lead *Based on sam B NUMBER: AD009 Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F Preparation Method	od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 esday, September 15, 2020 o sq ft ANALYTE CONCENTRATION - < RL apling information supplied 224 itema and Blvd Unit B-1	Method for Deterr ) ANALYTE REPORTING LIMIT (RL) 5.0 ug d by the client. id Digestion for St Method for Deterr	*AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 5.0 ug/ft ² Date Sampled: 09/09/2020
Sample Identification: F Preparation Method Analysis Method: F Date Analyzed: Tuc *Sample Area: 1.0 ELEMENT Lead *Based on sam B NUMBER: AD009 Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F Preparation Method	d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 esday, September 15, 2020 9 sq ft ANALYTE CONCENTRATION - < RL apling information supplied 224 Itema and Blvd Unit B-1 FL-05 Bath Unit B-1 FL-05 Bath Unit B-1 G: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2	Method for Deterr ) ANALYTE REPORTING LIMIT (RL) 5.0 ug d by the client. id Digestion for St Method for Deterr	*AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 5.0 ug/ft ² Date Sampled: 09/09/2020
Sample Identification: F Preparation Method Analysis Method: F Date Analyzed: Tud *Sample Area: 1.0 ELEMENT Lead *Based on sam B NUMBER: AD009 Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F Preparation Method Analysis Method: F Date Analyzed: We	d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 esday, September 15, 2020 9 sq ft ANALYTE CONCENTRATION - < RL apling information supplied 224 Itema and Blvd Unit B-1 FL-05 Bath Unit B-1 FL-05 Bath Unit B-1 G: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2	Method for Deterr ) ANALYTE REPORTING LIMIT (RL) 5.0 ug d by the client. id Digestion for St Method for Deterr	*AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 5.0 ug/ft ² Date Sampled: 09/09/2020



#### Monday, September 21, 2020 Page 3 of 5 ANALYTICAL LABORATORY REPORT Monday, September 14, 2020 **CUSTOMER:** ASTI Environmental DATE RECEIVED: 10448 Citation Dr. **PO/PROJECT #:** 11284 Brighton, MI 48116 SUBMITTAL #: 2020-09-14-008 LAB NUMBER: AD00925 Sampled By: John Schuitema Date Sampled: 09/09/2020 Job Location: 232 E Grand Blvd Unit B-1 Sample Description: Dust Wipe Sample Identification: WS-05 Bath Unit B-1 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 ANALYTE *CALCULATED ANALYTE REPORTING *AREA REPORTING ELEMENT CONCENTRATION LIMIT (RL) CONCENTRATION LIMIT (RL) 11 ug/ft² Lead < RL5.0 ug < RL *Based on sampling information supplied by the client. LAB NUMBER: AD00926 Sampled By: John Schuitema Date Sampled: 09/09/2020 Job Location: 232 E Grand Blvd Unit B-1 Sample Description: Dust Wipe Sample Identification: FL-06 Bedroom Unit B-1 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 *CALCULATED ANALYTE REPORTING REPORTING ANALYTE *AREA LIMIT (RL) ELEMENT CONCENTRATION LIMIT (RL) CONCENTRATION Lead < RL < RL 5.0 ug/ft² 5.0 ug *Based on sampling information supplied by the client. LAB NUMBER: AD00927 Sampled By: John Schuitema Date Sampled: 09/09/2020 Sample Description: Dust Wipe

Job Location: 232 E Grand Blvd Unit B-1 Sample Descrip Sample Identification: WS-06 Bedroom Unit B-1 Preparation Method: EPA 3050B-M-W (Acid Digestion for Surface Wine Samples)

**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

	ANALYTE	ANALYTE REPORTING	*AREA	*CALCULATED REPORTING
ELEMENT	CONCENTRATION	LIMIT (RL)	CONCENTRATION	LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	12 ug/ft ²
*Based on sam	pling information supplied	d by the client.		



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10448 Citation Dr. PO/PR		
	<b>ROJECT #:</b> 11284	
Brighton, MI 48116 SUBM	AITTAL #: 2020-09-14-0	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

		ANALYTE		*CALCULATED
	ANALYTE	REPORTING	*AREA	REPORTING
ELEMENT	CONCENTRATION	LIMIT (RL)	CONCENTRATION	LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft ²
*Based on sam	pling information supplied	d by the client.		



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CUSTOMER: ASTI Environmental	DATE RECEIVED:	Monday, September 14, 2020
10448 Citation Dr.	<b>PO/PROJECT #:</b>	11284
Brighton, MI 48116	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

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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) (<u>www.deq.louisiana.gov</u>) OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (<u>www.deq.state.ok.us</u>)

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## SCOPE OF ACCREDITATION

<u>Air and Emission</u> <u>Element/Test</u> Suspended Partic Lead in Airborne I Lead in Airborne I Metals in Airborne	— culates: PM10 / TSP Dust Dust	<u>Method</u> 40 CFR 50 Appendix J / 40 C 40 CFR 50 Appendix G NIOSH 7300 NIOSH 7300	Accreditation(s) NY, LA A2LA, LA A2LA, OH, NY, LA A2LA	
Solid Chemical M	laterials			
Element/Test		Method		Accreditation(s)
TCLP		EPA 1311(Sample Preparation	on 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 601	0C	NY
Lead in Dust Wipe		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA
Ignitability		EPA 1010A		NY
рН		EPA 9045D		NY
	Non-Potable Water / A	nalysis by ICP	Solid Che	mical Materials
Element/Test	Non-Potable Water / A Method			mical Materials Method Accreditation(s)
<u>Element/Test</u> Arsenic	<u>Non-Potable Water / A</u> <u>Method</u> EPA 6010C/ EPA 200.7 Rev	Accreditation(s		Method Accreditation(s)
	Method	Accreditation(s 4.4 NY, LA, OK	)	
Arsenic	<u>Method</u> EPA 6010C/ EPA 200.7 Rev	Accreditation(s 4.4 NY, LA, OK 4.4 NY, LA, OK	) EPA 6010C	Method <u>Accreditation(s)</u> NY, LA, OK
Arsenic Barium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK	) EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK           0A         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470	Accreditation(s           4.4         NY, LA, OK           0A         NY, LA, OK           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B	Method NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 747C EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 7471C EPA 6010C EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 747C EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 747C EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s           4.4         NY, LA, OK           4.4         NY, LA, OK	) EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK

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			CHAI	N OF CUSTODY	FORM			FORLAB	USE ONLY		
	GPI       Send To:         GPI Laboratories, Inc.         4403 Donker Court, Grand Rapids MI 49512-4054         (616) 940-3112   GRLabsInfo@gpinet.com   www.gpinet.com         Company:         ASTI Environmental         Address:         10448 Citation Dr.         Company Contact: Dave Amir							Properly Contained ASTM E1792 wipes Adequate Ph Adjust Lab acidified: By/Date: $N/A$			
Company: AS	TI Environn	nental	Address: 10	448 Citation Dr.	Company Contact: Dave An	nir	P.O./Proj #:				
				ighton, MI 48116			Location:			Juit	
					E-Mail: jschuitema@asti-e	232 E	Grand	d Blvd	3-2		
Ma Paint Chips Soil Abrasive Wastewater	Filter	TCLP ( Lead RCRA (8) M		Metals Content Lead Lead, Cad., Chrome. RCRA (8) Metals	Other Tests DH (Corrosivity) Ignitability VOC (Method 24, etc)	Turnaround Time Same Day* Rush* Standard	Comments:				
		asterCard and An	orican Evoroc		is not available for every test. F		Wipes		Sampling Fil	ters	
Laboratory	Sample Number	Date/Time Sampled		Sample Identificatio		Special Instructions:	Area wiped	🗋 37 mm	PM10 Cassette		
A000919	F1-01	9/9/20	Divin	Room	unit B-1	opecial mist detions.	(sq.ft.)	Minutes	Flow Rate	UNITS	
A000920		1120	1	Riom	1	-	12x12			-	
AD00921	FI-0Z			-00 M			/0x12				
A000922			Kitchen				51751				
AD00923			Hall				12712	-			
A000924	1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.1.		Bath				12412	-			
A000925			Bath				6.5 ×10			1.0.00	
AD00926			Belroom				12+12			-	
AD 00 927	11		Belroom				SXIZ				
AD00928	F1-06	$\vee$	vyhr	Sink	V		12+12				
Received by: Received by: Method of Shipm	nent:	I ohn Schuiter		Date/Time:Date	Submitted: <u>9/10/20</u> _ Relinquished Date/Time: _ Relinquished Date/Time:	Signature:			Pag	e of	
Received for Lab	poratory by:	ara Jane	N	Date/Time	=9/14/20 11:18	Submittal #: 2020-04	1-14-00	8	1/18/17 Fo	orm #. 53-12	



USTOMER: ASTI En			DATE RECEIVED	<b>3</b> · 1	020
	itation Dr. n, MI 48116		PO/PROJECT #: SUBMITTAL #:	11284 2020-09-14-009	
			Sedimi inter.	2020 09 11 009	
AB NUMBER: AD009	929				
Sampled By: John Schu Job Location: 232 E Gr				Date Sampled: 09/09/2020	
	FL-01 Living Room Unit 202			Sample Description: Dust Wipe	
Analysis Method:	od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES ) ednesday, September 16, 2	Method for Deterr			
*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/ft ²	
AB NUMBER: AD009					
Sampled By: John Schu	itema			Date Sampled: 09/09/2020	
Sampled By: John Schu Job Location: 232 E Gr	itema			Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: Preparation Metho Analysis Method: 1	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES I ednesday, September 16, 2	Method for Deterr 020 ANALYTE	urface Wipe Samples) nination of Metals)	Sample Description: Dust Wipe *CALCULATED	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: Preparation Metho Analysis Method: J Date Analyzed: Wo	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2	Method for Deterr 020	urface Wipe Samples)	Sample Description: Dust Wipe	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: T Preparation Metho Analysis Method: J Date Analyzed: We *Sample Area: 1.1 ELEMENT Lead	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2 . sq ft <u>ANALYTE</u> <u>CONCENTRATION</u> 12 ug	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	urface Wipe Samples) nination of Metals) *AREA	Sample Description: Dust Wipe *CALCULATED REPORTING	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: T Preparation Metho Analysis Method: J Date Analyzed: We *Sample Area: 1.1 ELEMENT Lead	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES I ednesday, September 16, 2 . sq ft ANALYTE CONCENTRATION	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	arface Wipe Samples) nination of Metals) *AREA CONCENTRATION	Sample Description: Dust Wipe *CALCULATED REPORTING LIMIT (RL)	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: T Preparation Metho Analysis Method: J Date Analyzed: We *Sample Area: 1.1 ELEMENT Lead	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2 . sq ft <u>ANALYTE CONCENTRATION</u> 12 ug apling information supplied	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	arface Wipe Samples) nination of Metals) *AREA CONCENTRATION	Sample Description: Dust Wipe *CALCULATED REPORTING LIMIT (RL)	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: Preparation Metho Analysis Method: J Date Analyzed: Wo *Sample Area: 1.1 <u>ELEMENT Lead</u> *Based on sam AB NUMBER: AD009 Sampled By: John Schu	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2 . sq ft <u>ANALYTE CONCENTRATION</u> 12 ug apling information supplied 031 itema	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	arface Wipe Samples) nination of Metals) *AREA CONCENTRATION 10 ug/ft ²	Sample Description: Dust Wipe *CALCULATED REPORTING LIMIT (RL) 4.5 ug/ft ² Date Sampled: 09/09/2020	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: Preparation Metho Analysis Method: J Date Analyzed: Wo *Sample Area: 1.1 <u>ELEMENT</u> Lead *Based on san AB NUMBER: AD009 Sampled By: John Schu Job Location: 232 E Gr	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2 . sq ft <u>ANALYTE CONCENTRATION</u> 12 ug npling information supplied 031 itema and Blvd Unit 202	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	arface Wipe Samples) nination of Metals) *AREA CONCENTRATION 10 ug/ft ²	Sample Description: Dust Wipe *CALCULATED REPORTING LIMIT (RL) 4.5 ug/ft ²	
Sampled By: John Schu Job Location: 232 E Gr Sample Identification: Preparation Metho Analysis Method: J Date Analyzed: Wo *Sample Area: 1.1 <u>ELEMENT</u> Lead *Based on san AB NUMBER: AD009 Sampled By: John Schu Job Location: 232 E Gr	itema and Blvd Unit 202 WT-01 Living Room Unit 202 od: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES 1 ednesday, September 16, 2 . sq ft <u>ANALYTE CONCENTRATION</u> 12 ug apling information supplied 031 itema	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	arface Wipe Samples) nination of Metals) *AREA CONCENTRATION 10 ug/ft ²	Sample Description: Dust Wipe *CALCULATED REPORTING LIMIT (RL) 4.5 ug/ft ² Date Sampled: 09/09/2020	

		ANALYTE		*CALCULATED
ELEMENT	ANALYTE CONCENTRATION	REPORTING LIMIT (RL)	*AREA CONCENTRATION	REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft ²
*Based on sam	pling information supplie	d by the client.		



ANALYTICAL LA	BORATORY REPO	RT	Mond	ay, September 21, 2020	Page 2 of	
10448 C	J <b>STOMER:</b> ASTI Environmental 10448 Citation Dr. Brighton, MI 48116			<ul> <li>Monday, September 14, 2</li> <li>11284</li> <li>2020-09-14-009</li> </ul>	14, 2020	
AB NUMBER: AD009	32					
Sampled By: John Schui Job Location: 232 E Gra Sample Identification: V				Date Sampled: 09/09/2020 Sample Description: Dust Wipe		
Analysis Method: H	d: EPA 3050B-M-W (Ac EPA 6010C-M (ICP-AES dnesday, September 16, 2	Method for Deterr				
*Sample Area: 0.4	6 sq ft					
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)		
Lead *Based on sam	8.2 ug pling information supplied	5.0 ug d by the client.	18 ug/ft ²	11 ug/ft ²		
AB NUMBER: AD009	33					
Sampled By: John Schui	tema			Date Sampled: 09/09/2020		
Job Location: 232 E Gra Sample Identification: F	nd Blvd Unit 202			Sample Description: Dust Wipe		
Analysis Method: H	d: EPA 3050B-M-W (Ac EPA 6010C-M (ICP-AES dnesday, September 16, 2	Method for Deterr				
*Sample Area: 1.0	sq ft					
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)		
<b>Lead</b> *Based on sam	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug d by the client.	- < RL	5.0 ug/ft ²		
AB NUMBER: AD009	34					
Sampled By: John Schui				Date Sampled: 09/09/2020		
Job Location: 232 E Gra Sample Identification: V	nd Blvd Unit 202			Sample Description: Dust Wipe		
Analysis Method: H	d: EPA 3050B-M-W (Ac EPA 6010C-M (ICP-AES dnesday, September 16, 2	Method for Deterr	• • •			
*Sample Area: 0.4						
EL EMENTE	ANALYTE	ANALYTE REPORTING	*AREA	*CALCULATED REPORTING		

ELEMENT	ANALYTE CONCENTRATION	REPORTING LIMIT (RL)	*AREA CONCENTRATION	REPORTING LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	10 ug/ft ²
4D 1	1	11 1 1		

*Based on sampling information supplied by the client.



	BORATORY REPO		Monday, September 21, 2020 Page 3 o			
10448 Ci	STOMER: ASTI Environmental 10448 Citation Dr. Brighton, MI 48116			ATE RECEIVED:         Monday, September 14,           O/PROJECT #:         11284           UBMITTAL #:         2020-09-14-009		
AB NUMBER: AD009	35					
Sampled By: John Schuit Job Location: 232 E Gra Sample Identification: F	nd Blvd Unit 202			Date Sampled: 09/09/2020 Sample Description: D	) ust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES) dnesday, September 16, 2	Method for Deterr	·			
*Sample Area: 1.0	sq ft					
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)		
Lead *Based on sam	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug l by the client.	- < <b>R</b> L	5.0 ug/ft ²		
AB NUMBER: AD009	36					
Sampled By: John Schuit	tema			Date Sampled: 09/09/2020	)	
Job Location: 232 E Gra Sample Identification: W	nd Blvd Unit 202 VS-05 Bedroom 1 Unit 202			Sample Description: D	ust Wipe	
Analysis Method: E	d: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES ) dnesday, September 16, 2	Method for Deterr	·			
*Sample Area: 0.50	6 sq ft					
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)		
Lead	12 ug	5.0 ug	21 ug/ft ²	8.9 ug/ft ²		

### LAB NUMBER: AD00937

Sampled By: John Schuitema	Date Sampled: 09/09/2020		
Job Location: 232 E Grand Blvd Unit 202	Sample Description:	Dust Wipe	
Sample Identification: FL-05 Bedroom 1 Unit 202			

**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/ft ²
*Based on sam	pling information supplied	d by the client.		



Monday, September 21, 2020 Pag

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	vironmental tation Dr. , MI 48116		DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	: Monday, September 14, 2020 11284 2020-09-14-009
B NUMBER: AD009	38			
Sampled By: John Schuir Job Location: 232 E Gra Sample Identification: F				Date Sampled: 09/09/2020         Sample Description:       Dust Wipe
Analysis Method: E	d: EPA 3050B-M-W (Act PA 6010C-M (ICP-AES dnesday, September 16, 2	Method for Deterr		
*Sample Area: 1.0	sq ft			
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)
<b>Lead</b> *Based on sam	<ul> <li>&lt; RL</li> <li>pling information supplied</li> </ul>	5.0 ug d by the client.	- < RL	5.0 ug/ft ²
B NUMBER: AD009	39			
Sampled By: John Schui	tema		1	Date Sampled: 09/09/2020
<b>Job Location:</b> 232 E Gra <b>Sample Identification:</b> V	nd Blvd Unit 202 VS-06 Bedroom 2 Unit 202		S	Sample Description: Dust Wipe
Analysis Method: E Date Analyzed: We	d: EPA 3050B-M-W (Aci PA 6010C-M (ICP-AES) dnesday, September 16, 2	Method for Deterr	• • •	
*Sample Area: 0.3	8 sq ft			
		ANALYTE		*CALCULATED
ELEMENT	ANALYTE CONCENTRATION	REPORTING LIMIT (RL)	*AREA CONCENTRATION	REPORTING LIMIT (RL)

*Based on sampling information supplied by the client.



Monday, September 21, 2020

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CUSTOMER: ASTI Environmental	DATE RECEIVED:	Monday, September 14, 2020
10448 Citation Dr.	<b>PO/PROJECT #:</b>	11284
Brighton, MI 48116	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:

#### 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.deg.louisiana.gov) OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (www.deg.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

<u>Air and Emission</u> <u>Element/Test</u> Suspended Partic Lead in Airborne I Lead in Airborne I Metals in Airborne		<u>Method</u> 40 CFR 50 Appendix J 40 CFR 50 Appendix G NIOSH 7300 NIOSH 7300	/ 40 CFR 50 Appendix	В	Accreditation(s) NY, LA A2LA, LA A2LA, OH, NY, LA A2LA
Solid Chemical M	laterials				
Element/Test		Method			Accreditation(s)
TCLP		EPA 1311(Sample Prep	paration Method)		NY, LA, OK
Lead in Soil		EPA 3050B/ EPA 6010	C		A2LA, OH, NY, LA, OK
Lead in Paint		EPA 3050B/ EPA 6010			A2LA, OH, NY, LA
Lead in Paint		ASTM D 3335-85A/ EP.			NY
Lead in Dust Wipe		EPA 3050B/ EPA 6010	C		A2LA, OH, NY, LA
Ignitability		EPA 1010A			NY
рН		EPA 9045D			NY
	Non-Potable Water / A	nalvsis by ICP		Solid Chemical Ma	terials
Element/Test	<u>Non-Potable Water / A</u> Method	<u>analysis by ICP</u> Accredita	tion(s)	Solid Chemical Ma	
<u>Element/Test</u> Arsenic	<u>Non-Potable Water / A</u> <u>Method</u> EPA 6010C/ EPA 200.7 Rev	Accredita			t <u>terials</u> <u>Method</u> <u>Accreditation(s)</u> NY, LA, OK
	Method	4.4 NY, LA, C	DK EPA	A 6010C	Method Accreditation(s)
Arsenic	<u>Method</u> EPA 6010C/ EPA 200.7 Rev	4.4 NY, LA, C 4.4 NY, LA, C 4.4 NY, LA, C	DK EPA	A 6010C A 6010C	Method Accreditation(s) NY, LA, OK
Arsenic Barium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita 4.4 NY, LA, C 4.4 NY, LA, C 4.4 NY, LA, C 4.4 NY, LA, C	DK EPA DK EPA DK EPA	A 6010C A 6010C A 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C	БРА ОК ЕРА ОК ЕРА ОК ЕРА	A 6010C A 6010C A 6010C A 6010C A 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C	ж ер/ Ж ер/ Ж ер/ Ж ер/ Ж ер/	A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470	Accredita           4.4         NY, LA, C	EP/           DK         EP/	A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 7471B	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C           0A         NY, LA, C           4.4         NY, LA, C	EP/           DK         EP/	A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 7471B A 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C	K         EP/           DK         EP/	A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 7471B A 6010C A 6010C A 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 747C EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C           9A         NY, LA, C           4.4         NY, LA, C	K         EP/           DK         EP/	A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 7471B A 6010C A 6010C A 6010C A 6010C A 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C	K         EP/           DK         EP/	A 6010C A 6010C	Method         Accreditation(s)           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C           4.4         NY, LA, C	K         EP/           DK         EP/	A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 7471B A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C	Method NY, LA, OK           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accredita           4.4         NY, LA, C	JK         EP/           DK         EP/	A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 7471B A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C A 6010C	Method         Accreditation(s)           NY, LA, OK

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G	PI		o <b>ries, Inc.</b> Court, Grand	Rapids MI 49512-4054		Ĺ	AT 2/14	Properly Conta ASTM E1792 Adequate Ph /	ained wipes	YES C	NO N/A NO N/A NO N/A
0.		(616) 940-311	40-3112   GRLabsInfo@gpinet.com   www.gpinet.com		Lab acidIfied: I		125 1				
Company: AS	TI Environr	nental	Address: 10	0448 Citation Dr.	Company C	ontact: Dave An	nir	P.O./Proj #:	11284		
			Br	ighton, MI 48116	Telephone:	damir@asti-er	iv.com	Location:		(in)	unit
14	L2				E-Mail: jsch	uitema@asti-e	nv.com	7232 E	Grand	Blvd	202
Paint Chips ✓ Soil Abrasive Wastewater	Filter	TCLP (		Metals Content Lead Lead, Cad., Chrome. RCRA (8) Metals	□ pH (Con		Turnaround Time Same Day* Rush* Standard	Comments:			
		asterCard and An	poricon Evoro					Wipes		Sampling Fili	ters
Laboratory	Sample Number	Date/Time Sampled		Secole Identification		e for every test. H		Area wiped		PM10 Cassette	
		-	1	Sample Identification			Special Instructions:	(sq.ft.)	Minutes	Flow Rate	UNI
AD00929	F1-01	9/9/20		004	Unit	202		12+12	1		
4000930	UT-01		6 4					5×32			
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1000 935			Bathroom	1				12×12			
AD00936			Belroom	1				5×16			
1000937				"			-	12×12			
1000938			Betroom	2		3		12 × 12			
4D00939	W5-06	V	li .	h	Y			5.5 × 10			
Sampled By #		ohn Schuiten				A A A A A A A A A A A A A A A A A A A	A				
Received by:	iease printy . <u>U</u>	<u>Juin Schuiten</u>	lid		Submitted:	0 11	🗠 Signature:				
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	BORATORY REPO	RT	Monda	y, September 21, 2020	Page 1 of
	vironmental itation Dr. , MI 48116		DATE RECEIVED PO/PROJECT #: SUBMITTAL #:	Monday, September 14 11284 2020-09-14-010	, 2020
AB NUMBER: AD009	940				
Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F		rea		Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Analysis Method: H	d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES ednesday, September 16, 2	Method for Deterr			
*Sample Area: 1.0	sq ft				
ELEMENT	ANALYTE CONCENTRATION	ANALYTE REPORTING LIMIT (RL)	*AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Lead *Based on sam	- < RL pling information supplied	5.0 ug d by the client.	- < RL	5.0 ug/ft ²	
AB NUMBER: AD009		2			
Sampled By: John Schui	tema			Date Sampled: 09/09/2020	
Analysis Method: H	nd Blvd Common 7L-02 Stair Landing d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES	Method for Deterr	s Irface Wipe Samples)	Date Sampled: 09/09/2020 Sample Description: Dust Wipe	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: F Date Analyzed: We	nd Blvd Common 7L-02 Stair Landing d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES) ednesday, September 16, 2	Method for Deterr	s Irface Wipe Samples)	-	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: E	nd Blvd Common FL-02 Stair Landing d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES ednesday, September 16, 2 sq ft ANALYTE	Method for Deterr 020 ANALYTE REPORTING	surface Wipe Samples) nination of Metals) *AREA	Sample Description: Dust Wipe *CALCULATED REPORTING	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: E Date Analyzed: We *Sample Area: 1.0 ELEMENT Lead	and Blvd Common T-02 Stair Landing d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES) ednesday, September 16, 2 sq ft ANALYTE CONCENTRATION - < RL	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	urface Wipe Samples) nination of Metals)	Sample Description: Dust Wipe	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: E Date Analyzed: We *Sample Area: 1.0 ELEMENT Lead	and Blvd Common FL-02 Stair Landing d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES) ednesday, September 16, 2 sq ft ANALYTE CONCENTRATION	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	surface Wipe Samples) nination of Metals) *AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: E Date Analyzed: We *Sample Area: 1.0 ELEMENT Lead	nd Blvd Common FL-02 Stair Landing d: EPA 3050B-M-W (Aci EPA 6010C-M (ICP-AES) ednesday, September 16, 2 sq ft ANALYTE CONCENTRATION - < RL pling information supplied	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	surface Wipe Samples) nination of Metals) *AREA CONCENTRATION	*CALCULATED REPORTING LIMIT (RL)	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: E Date Analyzed: We *Sample Area: 1.0 <u>ELEMENT</u> Lead *Based on sam	and Blvd Common ¹⁷ L-02 Stair Landing d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES ednesday, September 16, 2 sq ft <u>ANALYTE</u> <u>CONCENTRATION</u> - < RL pling information supplied 142 tema and Blvd Common	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug	s furface Wipe Samples) nination of Metals) *AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL)	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: E Date Analyzed: We *Sample Area: 1.0 ELEMENT Lead *Based on sam B NUMBER: AD009 Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: F	and Blvd Common ¹⁷ L-02 Stair Landing d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES ednesday, September 16, 2 sq ft <u>ANALYTE</u> <u>CONCENTRATION</u> - < RL pling information supplied 142 tema and Blvd Common	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug d by the client.	rrface Wipe Samples) nination of Metals) *AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 5.0 ug/ft ² Date Sampled: 09/09/2020	
Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: E Date Analyzed: We *Sample Area: 1.0 ELEMENT Lead *Based on sam B NUMBER: AD009 Sampled By: John Schui Job Location: 232 E Gra Sample Identification: F Preparation Metho Analysis Method: F	and Blvd Common ⁷ L-02 Stair Landing d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES) sednesday, September 16, 2 sq ft ANALYTE CONCENTRATION - < RL pling information supplied 42 tema and Blvd Common ⁷ L-03 1st Floor Entry d: EPA 3050B-M-W (Act EPA 6010C-M (ICP-AES) ednesday, September 16, 2	Method for Deterr 020 ANALYTE REPORTING LIMIT (RL) 5.0 ug d by the client.	rrface Wipe Samples) nination of Metals) *AREA CONCENTRATION - < RL	*CALCULATED REPORTING LIMIT (RL) 5.0 ug/ft ² Date Sampled: 09/09/2020	

*Based on sampling information supplied by the client.



Date Sampled: 09/09/2020

Sample Description: Dust Wipe

#### Monday, September 21, 2020 Page 2 of 4 ANALYTICAL LABORATORY REPORT **CUSTOMER:** ASTI Environmental DATE RECEIVED: Monday, September 14, 2020 10448 Citation Dr. **PO/PROJECT #:** 11284 Brighton, MI 48116 SUBMITTAL #: 2020-09-14-010 LAB NUMBER: AD00943 Sampled By: John Schuitema Date Sampled: 09/09/2020 Job Location: 232 E Grand Blvd Common Sample Description: Dust Wipe Sample Identification: FL-04 1st Floor Hall 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

		ANALYTE		*CALCULATEI
	ANALYTE	REPORTING	*AREA	REPORTING
ELEMENT	CONCENTRATION	LIMIT (RL)	CONCENTRATION	LIMIT (RL)
Lead	- < RL	5.0 ug	- < RL	5.0 ug/ft ²
*Based on samp	pling information supplied	d by the client.		

## LAB NUMBER: AD00944

Sampled By: John Schuitema Job Location: 232 E Grand Blvd Common Sample Identification: FL-05 Laundry Room

**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

		ANALYTE		*CALCULATED
	ANALYTE	REPORTING	*AREA	REPORTING
ELEMENT	CONCENTRATION	LIMIT (RL)	CONCENTRATION	LIMIT (RL)
Lead	15 ug	5.0 ug	15 ug/ft ²	5.0 ug/ft ²
	pling information supplied	0	10 ag/it	<b>G</b> . 10

## LAB NUMBER: AD00945

Sampled By: John Schuitema	Date Sampled: 09/09/2	2020
Job Location: 232 E Grand Blvd Common	Sample Description:	Soil
Sample Identification: SL-01 Side A Dripline		

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

		REPORTING
ELEMENT	<b>RESULT (by dry weight)</b>	LIMIT (RL)
Lead	150 mg/Kg	10 mg/Kg



Monday, September 21, 2020

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CUSTOMER: ASTI Environmental	DATE RECEIVED:	Monday, September 14, 2020
10448 Citation Dr.	<b>PO/PROJECT #:</b>	11284
Brighton, MI 48116	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:09/09/2020Sample 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

		REPORTING
ELEMENT	RESULT (by dry weight)	LIMIT (RL)
Lead	67 mg/Kg	10 mg/Kg



Monday, September 21, 2020 Pag

Page 4 of 4

CUSTOMER: ASTI Environmental	DATE RECEIVED:	Monday, September 14, 2020
10448 Citation Dr.	<b>PO/PROJECT #:</b>	11284
Brighton, MI 48116	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) (<u>www.deq.louisiana.gov</u>) OK: Oklahoma Department of Environmental Quality, Laboratory ID#9993 (Certificate 2020-074) (<u>www.deq.state.ok.us</u>)

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 Emission Element/Test Suspended Partio Lead in Airborne Lead in Airborne Metals in Airborne	culates: PM10 / TSP Dust Dust	<u>Method</u> 40 CFR 50 Appendix J / 40 CFR 5 40 CFR 50 Appendix G NIOSH 7300 NIOSH 7300	i0 Appendix B	<u>Accreditation(s)</u> NY, LA A2LA, LA A2LA, OH, NY, LA A2LA
Solid Chemical M	<b>Naterials</b>			
Element/Test		<u>Method</u>		Accreditation(s)
TCLP		EPA 1311(Sample Preparation Me	ethod)	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 Wip		EPA 3050B/ EPA 6010C		A2LA, OH, NY, LA
Ignitability		EPA 1010A		NY
рН		EPA 9045D		NY
	Non-Potable Water / A	nalveis by ICP	Calid Chami	
Element/Test			Solid Chemic	<u>cal Materials</u> Method Accreditation(s)
<u>Element/Test</u> Arsenic	Method	Accreditation(s)		Method Accreditation(s)
Arsenic	<u>Method</u> EPA 6010C/ EPA 200.7 Rev	4.4 NY, LA, OK	EPA 6010C	Method <u>Accreditation(s)</u> NY, LA, OK
	Method	Accreditation(s)4.4NY, LA, OK4.4NY, LA, OK		<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK
Arsenic Barium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C	Method <u>Accreditation(s)</u> NY, LA, OK
Arsenic Barium Cadmium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	<u>Method</u> <u>Accreditation(s)</u> NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead	<u>Method</u> EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           A         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C	Method Accreditation(s) NY, LA, OK NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc	Method EPA 6010C/ EPA 200.7 Rev EPA 245.1 Rev.3/ EPA 7470 EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt Manganese	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK           NY, LA, OK
Arsenic Barium Cadmium Chromium Copper Lead Mercury Nickel Selenium Silver Zinc Cobalt	Method EPA 6010C/ EPA 200.7 Rev EPA 6010C/ EPA 200.7 Rev	Accreditation(s)           4.4         NY, LA, OK           4.4         NY, LA, OK	EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 7471B EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C EPA 6010C	Method         Accreditation(s)           NY, LA, OK

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		Opend Tax	CHA	IN OF CUSTODY	FORM			-	USE ONLY	
G		(616) 940-311	Court, Grand	d Rapids MI 49512-4054 Info@gpinet.com   www.gp	inet.com		Properly Conta ASTM E1792 v Adequate Ph A Lab acidified: B	wipes	YES N YES N	NO N/A NO N/A NO N/A
Company: AST	TI Environn	nental	Address: 1	0448 Citation Dr.	Company Contact: Dave An	nir	P.O./Proj #:			
				righton, MI 48116	Telephone: damir@asti-er		Location:			
1		Second Sec. 7			E-Mail: jschuitema@asti-e	env.com	7232 E	Grand	Blvd	Common
	atrix	TCLP (	Waste)	Metals Content	Other Tests	Turnaround Time	Comments:			
<ul> <li>Paint Chips</li> <li>Soil</li> <li>Abrasive</li> <li>Wastewater</li> </ul>		Lead RCRA (8) M	letals	Lead Lead, Cad., Chrome. RCRA (8) Metals	pH (Corrosivity) Ignitability VOC (Method 24, etc)	Same Day*	145			
GPI Labs a	ccepts Visa, Ma	asterCard, and An	nerican Expre	S *Accelerated Turnaround	d is not available for every test.		Wipes		Sampling Fill	ers
Laboratory	Sample	Date/Time			I IS NOT AVAILABLE IOI EVELY LEST.		Area wiped		Cassette	
ID	Number	Sampled		Sample Identification	on / Location:	Special Instructions:	(sq.ft.)	Minutes	Flow Rate	UNITS
A000940	FF01	9/9/20	Zul fla	r Hull	Common Arcy		12×12	-		
AD80941	F1-02		Stair	1 andung			12,012			
AD00942	F1-07		1st flo	or Eartry			12×12			
AD00943	F1-04		15+ floo				12×12			
AD00944	F1-05		Lundy	Ruom			12×12			
AD00945			Sich 4	f Dripline						
AD00946	51-02		01	D Driplan						
		45								
							-			
	Please print) : <u>Jo</u>	ohn Schuiter	na		Submitted: 9/10/20	Signature:				
Received by: Received by: Method of Shipm	nent:			_ Date/Time: Date/Time:	Relinquished Date/Time: Relinquished Date/Time:				Page	e <u> </u> of <u> </u>
Received for Lab	poratory by:	ara farse	w	Date/Tim	10: 9/14/20, 11:20	Submittal #. 2020-09	1-14-01	0	1/18/17 Fo	orm #: 53-12

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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 haz- ard abatement (or mixture of the two), including, but not necessarily limited to, dust removal. This schedule does not include window replace- ment.	1 Year, 2 Years.	Same as Schedule 2, except for encapsu- lants. The first visual survey of encapsu- lants should be done one month after clear- ance; the second
		B. Treatments specified in sec- tion A plus replacement of all windows with lead hazards.	1 Year.	should be done 6 months later and annually thereafter.
		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 neces- sarily limited to dust removal. This schedule does not in- clude window replacement.	6 Months, 1 Year, 2 Years.	Same as Schedule 3.
		B. Treatments specified in sec- tion 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.

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 <i>hazards</i> , 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 $\mu$ g/g.	Abatement (paving or removal).	None.	None for removal, an- nually to identify new bare spots or deteri- oration of paving.

Standard Reevaluation Schedules (continued)

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 reevaluation 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

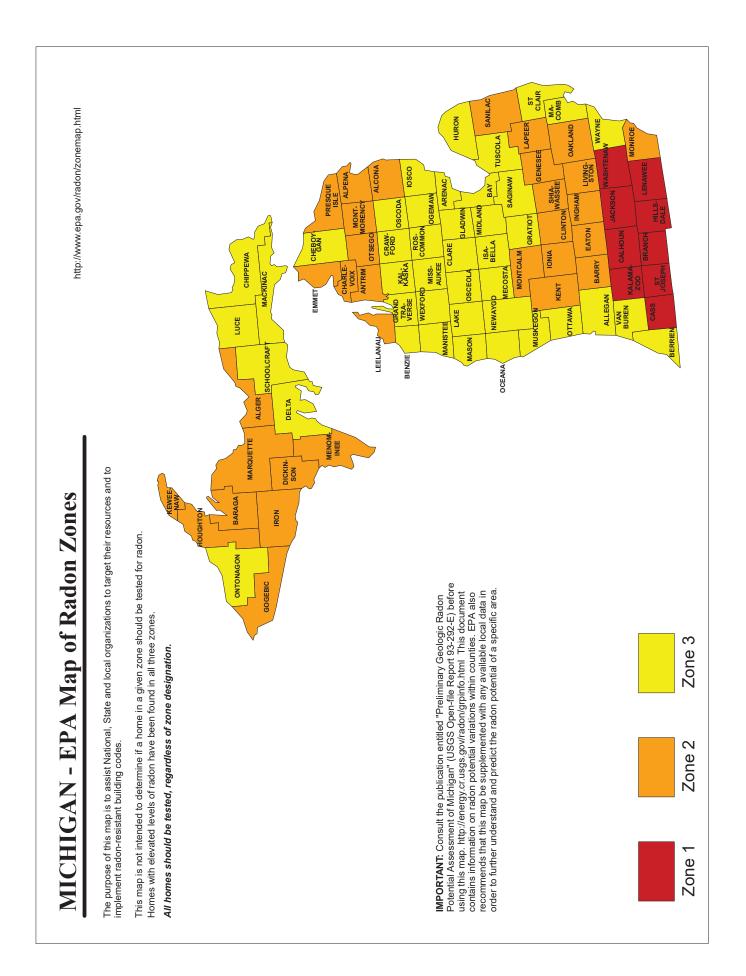
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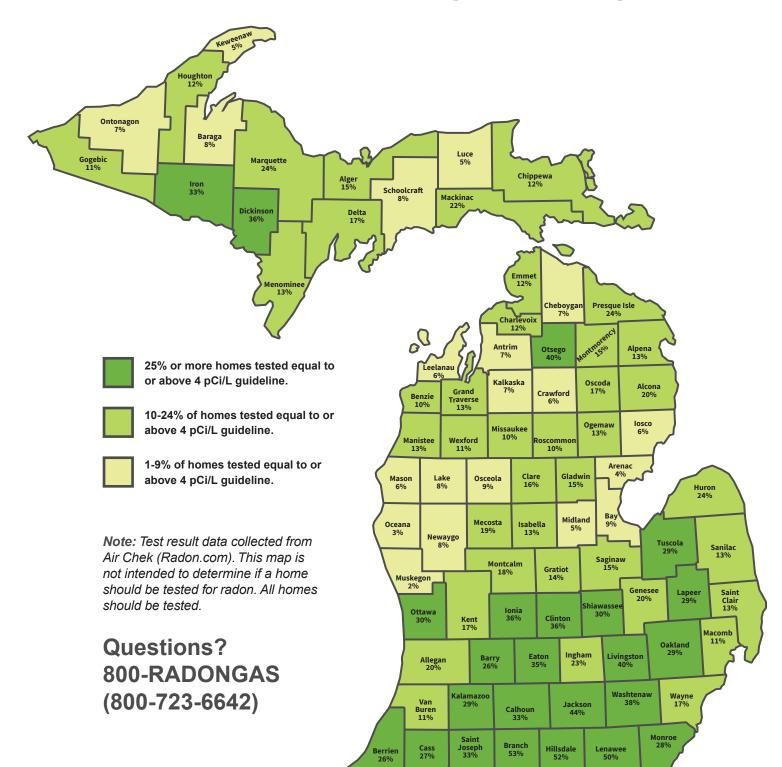
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# Percentage of Elevated Radon Test Results by County





800-662-9278 | Michigan.gov/radon

# Michigan Federally-listed Endangered and Threatened Species

Updated October 2018

Piping plover

(Chradrius melodus)

SPECIES	STATUS	COUNTIES	НАВІТАТ
MAMMALS			
Canada lynx (Lynx canadensis)	Threatened	<b>Current distribution:</b> 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 <i>(Myotis sodalis)</i>	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,	Beaches along shorelines of the Great Lakes

Manistee, Mason, Muskegon, Presque Isle,

Muskegon, Presque Isle, Schoolcraft

Alger, Benzie, Charlevoix, Cheboygan, Chippewa,

Emmet, Iosco, Leelanau, Luce, Mackinac, Mason,

Beaches along shorelines of

the Great Lakes

Schoolcraft

Critical

Habitat

SPECIES	STATUS	COUNTIES	НАВІТАТ
Rufa Red knot (Calidris canutus rufa)	Threatened	<ul> <li>Only actions that occur along coastal areas during the Red Knot migratory window of MAY 1 - SEPTEMBER 30 for the following counties:</li> <li>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</li> <li>Only actions that occur in large wetland complexes during the Red knot migratory window of MAY 1 - SEPTEMBER 30 for the following counties:</li> </ul>	Coastal areas and large wetland complexes
Whooping crane ** (Grus americanus)	Non-essential experimental population	Midland, Saginaw, Shiawassee 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	НАВІТАТ
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/fC Hmaps/poskchMl.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 ( <i>Mimulus michiganesis</i> )	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	НАВІТАТ
Small whorled pogonia	Threatened	Berrien	Dry woodland; upland sites in
(Isotria medeoloides)			mixed forests (second or third
			growth stage)



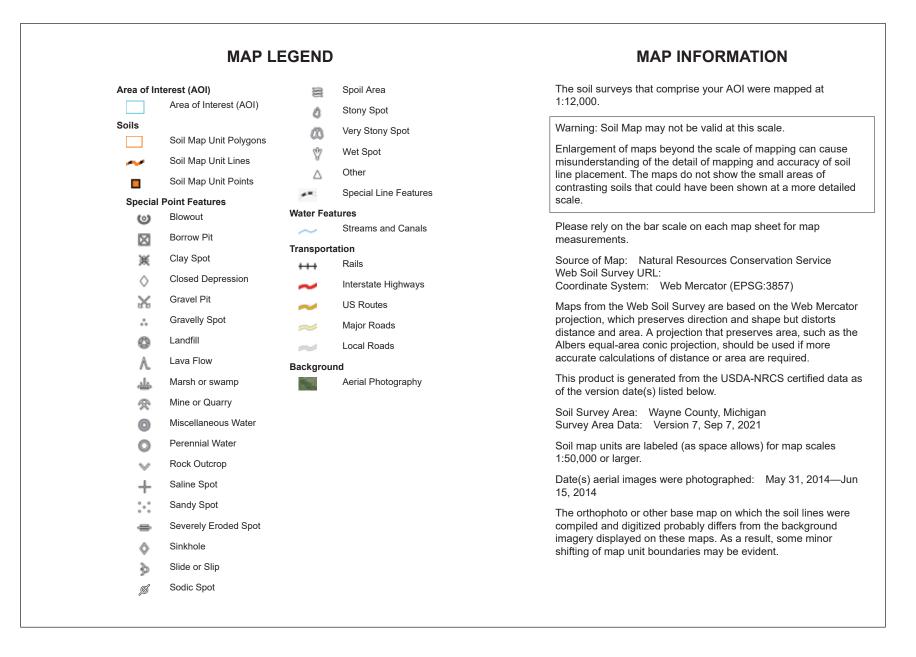
Acceptable Separation Distance Map



USDA Natural Resources

Conservation Service

Web Soil Survey National Cooperative Soil Survey 10/7/2021 Page 1 of 3



# Map Unit Legend

100.0%	7.6		<b>Totals for Area of Interest</b>
23.3%	1.8	Tedrow-Urban land complex, dense substratum, 0 to 4 percent slopes	TedubB
76.7%	5.9	Shebeon-Urban land complex, 0 to 4 percent slopes	ShbuaB
Percent of AOI	Acres in AOI	Map Unit Name	Map Unit Symbol



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 <u>no adverse effect</u> (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:



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 <u>rschumak@detroitmi.gov</u>. 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



#### 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:

 $\Box$  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.  $\rightarrow$  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.  $\rightarrow$  Continue to Question 2.

#### □ None of the above

 $\rightarrow$  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? X Yes

Indiants the time of me

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.

 $\rightarrow$  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

 $\rightarrow$  Continue to Question 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.

 $\rightarrow$  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.

 $\rightarrow$  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.

 $\Box$  Noise generators were found within the threshold distances.

 $\rightarrow$  Continue to Question 5.

5. Complete the Noise Assessment Guidelines to quantify the noise exposure. Indicate the findings of the Noise Assessment below:

 $\Box$  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.

 $\rightarrow$  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.

 $\Box$  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 area¹?

- □ No  $\rightarrow$  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.  $\rightarrow$  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.

 $\rightarrow$  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.

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

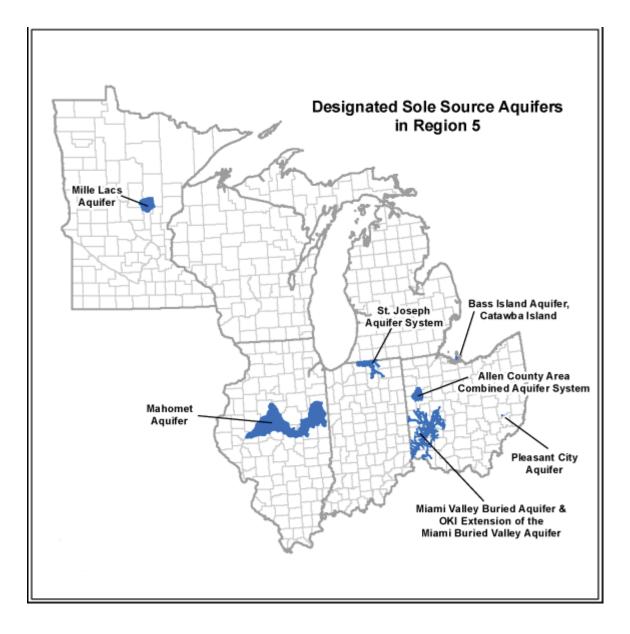
You indicated that both will upgrade the noise attenuation properties of the building materials with specifications soon to follow.

Is this correct?

David Amir Environmental Professional



Click <u>here</u> 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: <u>www.asti-env.com</u> Email: <u>damir@asti-env.com</u>





### 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 Forested/Shrub Wetland
  - **Freshwater Pond**

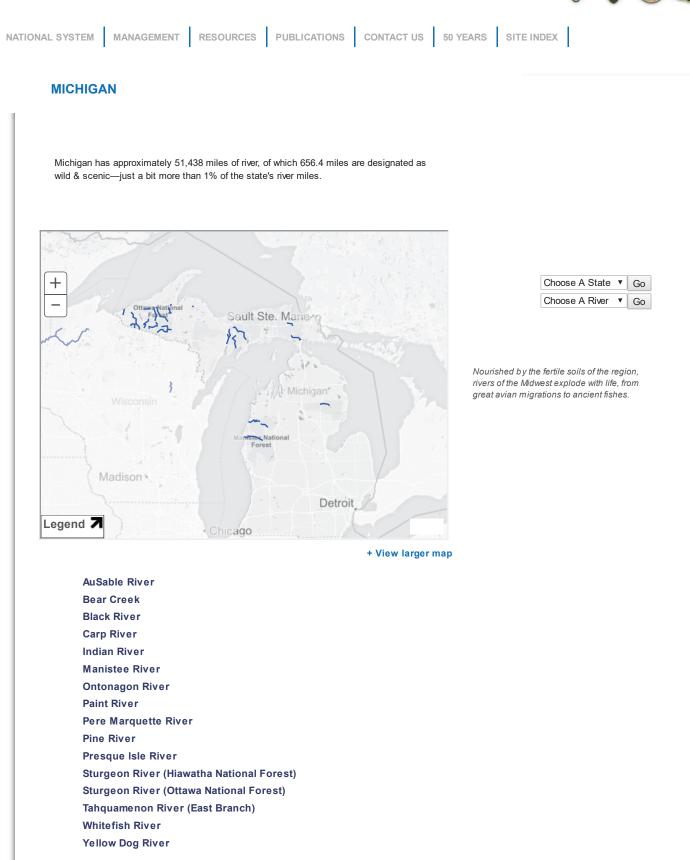
Freshwater Emergent Wetland

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.

#### Michigan





GIS Mapping

Logo & Sign Standards

NATIONWIDE RIV	/ERS INVENTORY CONTACT US	PRIVACY NOTICE Q & A SEARCH	HENGINE SITE MAP
Designated Rivers	National System	River Management	Resources
About WSR Act State Listings Profile Pages	WSR Table Study Rivers Stewardship WSR Legislation	Council Agencies Management Plans River Mgt. Society	Q & A Search Bibliography Publications GIS Mapping



#### **EJSCREEN Report (Version 2020)**



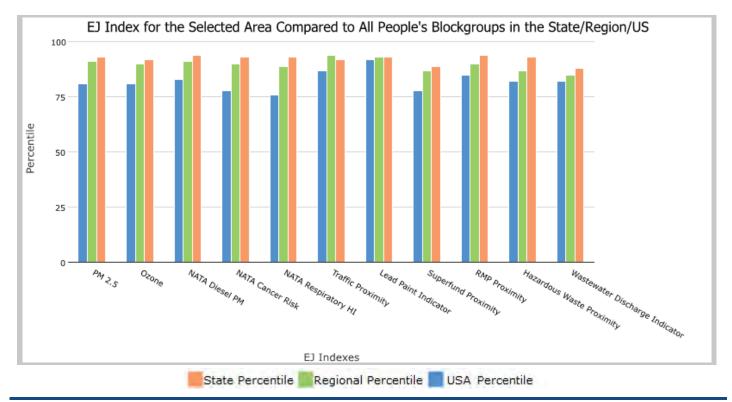
#### 1 mile Ring around the Corridor, MICHIGAN, EPA Region 5

#### 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 $\mu g/m^3$ )	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 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: <u>www.epa.gov/environmentaljustice</u>

EJSCREEN is a screening tool for pre-decisional use only. It can help identify areas that may warrant additional consideration, analysis, or outreach. It does not provide a basis for decision-making, but it may help identify potential areas of EJ concern. Users should keep in mind that screening tools are subject to substantial uncertainty in their demographic and environmental data, particularly when looking at small geographic areas. 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. This screening tool does not provide data on every environmental impact and demographic factor that may be relevant to a particular location. EJSCREEN outputs should be supplemented with additional information and local knowledge before taking any action to address potential EJ concerns.

#### 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 <u>Mary.t.weidel@hud.gov</u>

#### HUD PIH Representative (for DHC Vouchers Only):

Public Indian Housing at HUD – Detroit Field Office Michelle King, Engineer 477 Michigan Avenue Detroit, Michigan 48226 <u>Michelle.d.king@hud.gov</u>

#### DHC Representative (for DHC Vouchers Only):

Detroit Housing Commission (DHC) Joy Flood, Chief Operating Officer, Rental Assistance 3322 Orleans Detroit, Michigan 4207 <u>floodj@dhcmi.org</u>

#### **Historic:**

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#### Tribes:

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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:

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Michigan Economic Development Corporation (MEDC) Genna Hines, Business Development Manager 300 N. Washington Square Lansing, MI 48913 <u>hinesg@michigan.org</u>

#### Federal:

US EPA Region 5 Field Office 77 W. Jackson Blvd. Chicago, IL 60604 whitehead.ladawn@epa.gov

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Ketegitigaaning Ojibwe	Daisy McGeshick, THPO	Daisy.mcgeshick@lvdtribal.com
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Chippewa Indians		
Little River Band of Ottawa	Jonnie J. Sam, Director	jsam@lrboi.com
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