



ATLAS ENVIRONMENTAL INSPECTIONS

## ATLAS Environmental Inspections

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June 19, 2022

Tacony Charter High school

Attention: Richard Brown

6201 Keystone St

Philadelphia, PA 19135

RE: Water draw for Pb lead in School sinks and fountains

Mr. Richard Brown.

Enclosed you will find the results of the Lead water test Inspection (utilizing C-Metals by ICP-MS) This service was performed at the address mentioned above on, Thursday June 09, of 2022. This inspection was to determine if there is lead inside the water system at the above property address. This inspection was performed to determine if the property was at a safe or high risk for possible lead exposure in drinking water.

Included with this report is a Certificate of Analysis by EMSL Analytical an accredited third party Laboratory. This Certification sheet contains pertinent information including but not limited to: license and certification numbers; property location; date of inspection and instrumentation used for analysis.

**The enclosed Data contains the results of the inspection. The Action Level for lead exposure in water is 0.015mg/L**

**The level that was achieved inside the above property address is non detected for Lead Exposure.**

## **General Information on Lead**

Keeping dust accumulation to a minimum will benefit the health of all children under the age of six . Lead is not an airborne hazard such as asbestos. Lead dust is heavy, therefore it will settle onto horizontal surfaces, such as floors, tables, top edges of door and window casings and window stools Horizontal surfaces should be kept very clean (dust free) as often as possible. It is imperative that absolutely no sanding, dry scraping or power tool cutting of positive surfaces is ever done. Contractors must be informed of the positive surfaces that are present. Sanding and/or disturbing a positive surface by hand or mechanical means can spread hazardous lead dust. When the positive surfaces are being disturbed during a renovation project it will be important to contain, as efficiently as possible, the paint dust and paint chips that are generated. Preventing lead dust debris from spreading throughout the property during a project is mandatory.

**Procedures if Lead is present and abatement is required:** The following are lead abatement (eliminate the presence of lead-based paint) and interim control (render positive surfaces safe without complete removal) The paint on the doors potentially undergoes friction and impact during each use. a. If the doors are going to be retained and undesired friction is being created, the doors will have to be adjusted or planed (shaved) in order to eliminate unwanted friction. Doors must be planed in non-living spaces. Once the doors are fitting into the openings properly and are painted the doors should always be monitored for wear and tear and repaired immediately if damage does occur. b. If the doors are going to be retained, any chipping paint should be tended to without delay utilizing the wet scraping method. Wet scraping entails wetting any chipping or peeling paint with water and wet scraping the loose paint onto plastic or a disposable drop cloth. The water limits the spreading of fine dust particles and inhalation of the same. These wet scraped surfaces, which still have lead-based paint remaining on them, should then be painted with 2 coats of good quality paint, preferably an encapsulant paint, which is a coating that is specifically formulated to paint over lead-based paint. Removal and replacement or chemical stripping of the doors is recommended if friction cannot be eliminated (abatement). In terms of any positive component, another abatement option is chemical stripping. Chemical stripping is a safe method to eliminate the presence of lead-based paint because it is a dust-free process, it does not alter the structure of a component, and it is beneficial for historical preservation. However, chemical stripping is labor intensive, caustic chemicals are used, several applications may be necessary, and it could cost as much or more than the other abatement options mentioned above. Dry scraping or sanding a positive surface must be prohibited.

During a renovation project the hourly and daily clean-up of paint chip and lead dust debris generated from positive surfaces will be extremely important. In addition, contractors must be responsible for proper protection of contents (furniture, bedding, personal belongings, etc.) during the project. A properly executed final clean -up will remove any lead dust that may have entered the property.

To properly clean lead dust from household surfaces after a painting or renovation project involving lead-based paint. Utilize a vacuum that is equipped with a HEPA (high efficiency particulate air) filter and vacuum all work areas (floors, stools, wells, tops of casings, tables and all other horizontal surfaces), Mop and wipe all vacuumed surfaces with the proper dust absorbing detergent (Ledisolv, tri-sodium phosphate substitute or any high quality household cleaning detergent) HEPA vacuum again for the final step. **Do not use a “shop vac” or household vacuum to clean dust generated from positive components as these vacuums are not equipped with a HEPA filter and will re-circulate fine dust particles back into the living space.**

Immediately following any painting, renovation or cleaning project, an air test for lead is recommended. This will determine if there is lead-contaminated household dust in this home. The hygienist requires the collection of dust samples from floors, windowsills and window wells in selected rooms or areas throughout the property to where work occurred. A certified third party laboratory should be utilized to analyze the collected dust samples for lead. The dust sample procedure acts as a clearance test so that you can be assured that you are living in a lead-safe environment and that any cleaning that was performed was done efficiently.

Please keep this report for future reference, especially if damage occurs or if renovation or painting is scheduled that will involve any party to question if material has been tested for Lead.

Please see attached certificate for Water draw results

Sincerely,

President Jason Dua

ATLAS Environmental Inspections

PA EPA Dust Wipe Certification # D-I-19014-22-753377



**EMSL Analytical, Inc.**

200 Route 130 North, Cinnaminson, NJ 08077

Phone: (856) 303-2500 Fax: (856) 858-4571 Email: EnvChemistry2@emsl.com

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Attn:

**Jason Dua**  
**Atlas Environmental Inspections**  
**PO Box 11645**  
**Philadelphia, PA 19116**

6/16/2022

Phone: (267) 784-4693

Fax:

The following analytical report covers the analysis performed on samples submitted to EMSL Analytical, Inc. on 6/9/2022. The results are tabulated on the attached data pages for the following client designated project:

**Tacony Charter High School**

The reference number for these samples is EMSL Order #012209232. Please use this reference when calling about these samples. If you have any questions, please do not hesitate to contact me at (856) 303-2500.

Approved By:

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Owen McKenna, Chemistry Laboratory Director



The test results contained within this report meet the requirements of NELAP and/or the specific certification program that is applicable, unless otherwise noted.  
NELAP Certifications: NJ 03036, NY 10872, PA 68-00367, CA ELAP 1877

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



# EMSL Analytical, Inc.

200 Route 130 North, Cinnaminson, NJ 08077  
 Phone/Fax: (856) 303-2500 / (856) 858-4571  
<http://www.EMSL.com> [EnvChemistry2@emsl.com](mailto:EnvChemistry2@emsl.com)

EMSL Order: 012209232  
 CustomerID: ATLE34  
 CustomerPO:  
 ProjectID:

Attn: **Jason Dua**  
**Atlas Environmental Inspections**  
**PO Box 11645**  
**Philadelphia, PA 19116**

Phone: (267) 784-4693  
 Fax:  
 Received: 6/9/2022 12:25 PM

Project: **Tacony Charter High School**

## Analytical Results

**Client Sample Description** 1. Cafeteria Lunchroom Sink **Collected:** 6/9/2022 **Lab ID:** 012209232-0001

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:22

**Client Sample Description** 2. Cafeteria Sink Kitchen **Collected:** 6/9/2022 **Lab ID:** 012209232-0002

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:27

**Client Sample Description** 3. 1st FI Nurses Office Sink **Collected:** 6/9/2022 **Lab ID:** 012209232-0003

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:28

**Client Sample Description** 4. 1st FI Nurses Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0004

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:30

**Client Sample Description** 5. 1st FI Boys Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0005

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:31

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**Analytical Results**

**Client Sample Description** 6. 1st FI Girls Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0006

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:33

**Client Sample Description** 7. 1st FI Drinking Fountain High **Collected:** 6/9/2022 **Lab ID:** 012209232-0007

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:35

**Client Sample Description** 8. 1st FI Drinking Fountain Low **Collected:** 6/9/2022 **Lab ID:** 012209232-0008

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:36

**Client Sample Description** 9. Teacher Lounge **Collected:** 6/9/2022 **Lab ID:** 012209232-0009

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:41

**Client Sample Description** 10. Teacher Staff Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0010

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:42

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Project: **Tacony Charter High School**

**Analytical Results**

**Client Sample Description** 11. 1st Fl Gym Water Fountain **Collected:** 6/9/2022 **Lab ID:** 012209232-0011

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:44

**Client Sample Description** 12. 1st Floor Gym Boys Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0012

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:49

**Client Sample Description** 13. 1st Floor Gym Girls Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0013

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:50

**Client Sample Description** 14. 2nd Fl Water Fountain High **Collected:** 6/9/2022 **Lab ID:** 012209232-0014

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:52

**Client Sample Description** 15. 2nd Fl Water Fountain Low **Collected:** 6/9/2022 **Lab ID:** 012209232-0015

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:53

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Project: **Tacony Charter High School**

**Analytical Results**

**Client Sample Description** 16. 2nd Fl Boys Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0016

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 14:55

**Client Sample Description** 17. 2nd Fl Girls Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0017

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 15:00

**Client Sample Description** 18. 3rd Fl Water Fountain High **Collected:** 6/9/2022 **Lab ID:** 012209232-0018

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 15:01

**Client Sample Description** 19. 3rd Fl Water Fountain Low **Collected:** 6/9/2022 **Lab ID:** 012209232-0019

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 15:03

**Client Sample Description** 20. 3rd Fl Girls Bathroom **Collected:** 6/9/2022 **Lab ID:** 012209232-0020

Method	Parameter	Result	RL Units	Prep Date & Analyst	Analysis Date & Analyst
<b>METALS</b>					
200.8	Lead	ND	1.00 µg/L	6/14/2022 VD	6/14/2022 VD 15:04





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### Definitions:

MDL - method detection limit

J - Result was below the reporting limit, but at or above the MDL

ND - indicates that the analyte was not detected at the reporting limit

RL - Reporting Limit (Analytical)

D - Dilution Sample required a dilution which was used to calculate final results