



1000 Lynn Street · Detroit, MI 48211 · Ph. (313) 252-3028 · Fax (313) 866-9800 · [www.NPFEnow.org](http://www.NPFEnow.org)

June 4, 2016

ATTN: Matt Vallevand  
Detroit Health Department  
3245 E. Jefferson Ave, Ste 100  
Detroit, MI 48207

Dear Mr. Vallevand,

Enclosed you will find a copy of New Paradigm Loving Academy water testing report.

Please don't hesitate to contact us if we could be of any further assistance.

Sincerely,

Machion Jackson  
Chief Operating Officer



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BUILDING SCIENCES • MATERIALS TESTING**

46555 Humboldt Drive  
Novi, Michigan 48170  
Telephone 248-669-4140  
www.atcgroupservices.com

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Mr. Jerry Parker  
New Paradigm for Education  
1100 La Belle  
Detroit, Michigan 48202

**SUBJECT:     Drinking Water Screening Report  
                  Loving Elementary School  
                  1000 Lynn Street  
                  Detroit, Michigan 48211**

Dear Mr. Parker:

ATC Group Services, LLC (ATC) is pleased to submit this Drinking Water Screening Report for the subject school. The drinking water samples collected from the school were submitted to Brighton Analytical L.L.C., for Michigan Department of Environmental Quality (MDEQ) Drinking Water Certified lead and copper analysis.

#### **SCOPE OF WORK**

At the request of New Paradigm for Education, ATC collected drinking water samples as a general screening for copper and lead at the subject school. In coordination with New Paradigm it was determined that the screening would consist of collection of water samples from three (3) high priority water outlets (drinking fountains, kitchen/food preparation area faucets, etc.), regularly used by students and staff for drinking, as designated by New Paradigm personnel. Two (2) samples were collected at each outlet: a first draw (Primary) sample; and a Flush sample. The Primary samples were collected from outlets that had been inactive for a minimum of eight hours. The Flush samples were collected after the water was allowed to run for a minimum of thirty (30) seconds at each of the sample locations.

The drinking water samples were collected in 250 milliliter, wide-mouth sample containers, containing nitric acid (preservative). Each sample container was labeled utilizing a coding system that identified: the type of drinking outlet sampled, Drinking Fountain (DF), Sink Faucet (SF), Kitchen Sink (KS) etc.; and a (P) for primary samples and a (F) for flush samples.



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The samples were transported under chain of custody to Brighton Analytical L.L.C., located at 2105 Pless Drive in Brighton, Michigan for MDEQ drinking water certified lead and copper analysis, using analytical method EPA 200.8 rev 5.4.

As per the EPA's *3T's for Reducing Lead in Drinking Water in Schools, Revised Technical Guidance (October 2006)* analysis of the flush sample(s) was only performed if analysis of the first draw (Primary) sample(s) indicated lead and/or copper concentrations greater than the EPA established Maximum Contaminate Level (MCL).

**FINDINGS**

Analytical results indicate that none of the samples analyzed were above the EPA recommended limits of 15 micrograms per liter (ug/L) for lead. Analytical results indicate that none of the samples analyzed were above the EPA recommended limits of 1300 ug/L for copper. The table below summarizes the analytical results for the samples submitted. The laboratory analytical reports and chain of custody are provided in Attachment A.

Sample Number	Total Lead (Drinking Water)	MCL	Total Copper (Drinking Water)	MCL
1-DF-P-Lov-Hall By Girls Lav (145)	2 ug/L	15 ug/L	120 ug/L	1300 ug/L
1-DF-F-Lov-Hall By Girls Lav (145)	NA	15 ug/L	NA	1300 ug/L
2-KS-P-Lov-Kitchen	2 ug/L	15 ug/L	240 ug/L	1300 ug/L
2-KS-P-Lov-Kitchen	NA	15 ug/L	NA	1300 ug/L
3-SF-P-Lov-Pre-K Room 182	ND ug/L	15 ug/L	220 ug/L	1300 ug/L
3-SF-P-Lov-Pre-K Room 182	NA	15 ug/L	NA	1300 ug/L

Key: NA - Not Analyzed      ND- Not Detected  
ug/L- micrograms per liter /parts per billion (ppb)



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## LIMITATIONS

The sampling and analysis completed was: a preliminary screening for lead and copper only, to assess lead and copper concentrations (ug/L) at drinking water outlets in the school designated as high use by New Paradigm, and may not be representative of all drinking water outlets within the school. If lead or copper concentrations are identified above their respective MCL's at any of the drinking water outlets tested, further review of the plumbing system, fixtures affected, and testing should be completed to assess the source of the elevated levels of lead and/or copper, as well as, any other response actions deemed necessary by New Paradigm.

The drinking water screening proposed and conducted by ATC was devised in cooperation with New Paradigm and utilizing the EPA's 3Ts for Reducing Lead in Drinking Water in Schools and may not meet all of the recommendations provided by the MDEQ "Guidance on Drinking Water Sampling for Lead and Copper at Schools and Daycares on Community Water Supplies" Version 2.0 - April 13, 2016. Future drinking water evaluation and sampling in accordance with the recommendations may be predicated on applicable guidelines by the MDEQ or EPA and will be determined prior to developing a sampling plan for the school.

Sincerely,

**ATC Group Services, LLC**

A handwritten signature in black ink, appearing to read 'Michael Hauswirth'.

Michael Hauswirth  
Project Manager

A handwritten signature in black ink, appearing to read 'Robert C. Smith'.

Robert C. Smith  
Building Science Department Manager



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**ATTACHMENT A  
LABORATORY ANALYTICAL**







**Brighton Analytical LLC**  
 2105 Pless Drive  
 Brighton, Michigan 48114  
 Phone: (810)229-7575 (810)229-8650  
 e-mail: bai-brighton@sbcglobal.net  
 MDNRE Certified #9404  
 NELAC Accredited #176507

Sample Date/Time: 4/29/2016 06:20  
 Submit Date/Time: 4/29/2016 12:30  
 Report Date: 5/9/2016

ATC Associates  
 46555 Humboldt Dr.  
 Suite 100  
 Novi, MI 48377

BA Project # 38809  
 BA Sample ID CD01627

Project Name: New Paradigm - Loving  
 Project Number: 188BS16231  
 Sample ID: 3-SF-P-Lov-PreK Rm 182

Analyte Name	Result	Units	RL	MCL	Method Reference	Analysis Time	Analysis Date
<b>Drinking Water Metal Analysis</b>							
Total Copper (Drinking Water)	220	ug/L	20	1300	EPA 200.8 rev5.4	16:36	05/05/2016
Total Lead (Drinking Water)	Not detected	ug/L	1	15	EPA 200.8 rev5.4	16:36	05/05/2016

RL=Reported detection limit for analytical method requested. Some compounds require special analytical methods to achieve MDNR designated target detection limits (TDL).

MCL = Maximum contaminant Levels.

Analysis not specifically identified as drinking water are for non-regulatory compliance purposes.

Released by           J. Wood            
 Date           5/9/16

