# Lyndhurst Public Schools

**BOARD OF EDUCATION**
420 Fern Avenue ▯ Lyndhurst, NJ 07071
Ph: 201.438.5683 Fax: 201.896.2118 ▯ www.lyndhurstschools.net

**SHAUNA C. DEMARCO**
*Superintendent of Schools*

**JAMES A. CORINO, ED. D.**
*Interim Assistant Superintendent*

**DAVID DIPISA**
*School Business Administrator*
*Board Secretary*


July 28, 2016

Dear Parents and Caregivers,

Starting with the 2016-17 school year, NJ school districts are required to test their drinking water for lead. New rules regarding lead testing in water were implemented by Governor Chris Christie after elevated lead levels were found last year in the water of several school districts, including Newark. Officials declare that potential exposure to lead-contaminated drinking water poses serious health risks.

Under the new rules adopted by the state, school districts in New Jersey that have not tested their drinking water for lead must do so within one year. These new regulations also mandate districts to test the water used for drinking and cooking at least once every six years.

These new regulations were passed by the State Board of Education on Wednesday, July 13, 2016. All NJ districts which test within a year of these new regulations are granted eligibility for reimbursement of testing costs through the state of NJ. Districts are also given the opportunity to apply for a one-year extension if their water has been tested within the past five years.

The Lyndhurst Public Schools conducted lead testing district wide from June 7, 2016 through June 9, 2016. There were fifty-two (52) samples taken and tested by McCabe Environmental Services, LLC.

We are pleased to report that only one (1) sink, located in the office of the high school athletic trainer, by the gymnasium, did not pass the lead test. This sink has been placed out of service and follow-up tests are being conducted, as required by regulation, to locate the origin of the problem and resolve it accordingly.

A complete report of each school's test results can be found on the respective school's website. Go to www.lyndhurstschools.net. and click on the tab of the school to view this information. If any further questions need to be answered, please contact David DiPisa, the School Business Administrator of the Lyndhurst Public Schools, at 201.438.5683 x4728.

Sincerely,

*David DiPisa*
School Business Administrator/Board Secretary

*Shauna C. DeMarco*
Superintendent of Schools

McCABE ENVIRONMENTAL SERVICES, L.L.C.
464 Valley Brook Ave • Lyndhurst NJ, 07071 • Phone: (201) 438-4839 / Fax: (201) 438-1798

# LEAD IN DRINKING WATER TESTING REPORT

***Conducted for:***
Lyndhurst Board of Education
420 Fern Avenue
Lyndhurst, New Jersey 07071

***Conducted at:***
Memorial Campus
319 New York Avenue
Lyndhurst, New Jersey 07071

***Submitted by:***
McCabe Environmental Services, L.L.C.
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

**REPORT DATE:** June 21, 2016

**MES PROJECT NO.:** 16-03009

***Prepared by:***

Matthew Smith EM

**Matthew Smith**
**Environmental Scientist**

***Signed for the Company by:***

John H. Chiaviello EM

**John H. Chiaviello**
**Vice President**

*Certified Women, Small & Disadvantaged Business Enterprise (WBE/SBE/DBE)*

# TABLE OF CONTENTS

## 1.0 INTRODUCTION

McCabe Environmental Services, L.L.C. (McCabe) was retained by Lyndhurst Board of Education to conduct lead in drinking water testing at Memorial Campus.

The project information is as follows:

| | |
|---|---|
| Client Name: | Lyndhurst Board of Education |
| Contact Person: | Mr. David DiPisa |
| Project Name: | Memorial Campus |
| Project Location: | 319 New York Avenue<br>Lyndhurst, New Jersey 07071 |
| Date(s) of Service: | June 8, 2016 |
| McCabe Personnel: | Matthew Smith |

## 2.0 SCOPE OF WORK

Drinking water testing was performed at Memorial Campus on June 8, 2016. The purpose of the testing was to determine if the building's plumbing was having an adverse impact on water quality, specifically with regard to lead concentrations. Samples were collected from various potential drinking water outlets located throughout the building.

## 3.0 PROCEDURES

After determining which outlets would be sampled, McCabe personnel collected a "first draw" sample at each location. A "first draw" is the initial water that is first to come out of the tap after a period of inactivity. All samples were collected into 250 mL sterile bottles, labeled with a sample identification, and analyzed in accordance with EPA approved methods to determine the level of lead in drinking water. Samples were analyzed by an accredited laboratory.

The U.S. Environmental Protection Agency (EPA) has established National Primary Drinking Water Regulations (NPDWR) that set mandatory water quality standards for drinking water contaminants. These are enforceable standards called "maximum contaminant levels" or "MCL", which are established to protect the public against consumption of drinking water contaminants that present a risk to human health. An MCL is the maximum allowable amount of a contaminant in drinking water which is delivered to the consumer.

The EPA has established the Lead and Copper Rule that sets standards for state and public water systems. This rule has set an MCL for lead at 15 parts per billion (ppb) for a one liter sample. However, the EPA also established the Lead in Drinking Water at Schools and Child Care Facilities Guidelines in which the EPA recommends an MCL of 20 ppb for a 250 milliliter first draw sample. In order to be more stringent, for our report purposes we have compared all results to both the 15 ppb and the 20 ppb standards.

## 4.0 TABLE OF SAMPLE RESULTS

Table 4.1 presents all sample results:

**Table 4.1**

| Sample ID | Sample Location | Lead Result (ppb) | Exceeds (MCL 15 ppb) | Exceeds (MCL 20 ppb) |
|---|---|---|---|---|
| MC-01 | Main Building - First Floor – Water Cooler | < 1.0 | Pass | Pass |
| MC-02 | Main Building – First Floor – Staff Lunch Room - Sink | < 1.0 | Pass | Pass |
| MC-03 | Main Building – Second Floor – Nurse's Office – Sink | < 1.0 | Pass | Pass |
| MC-04 | New Building – Outside File Room – Low Water Cooler | < 1.0 | Pass | Pass |
| MC-05 | New Building – Corridor #2 – Low Water Cooler | < 1.0 | Pass | Pass |

## 5.0 DISCUSSION AND CONCLUSION

As per Table 4.1, a total of five (5) samples were collected from Memorial Campus. All samples were found to be less than the EPA Lead in Drinking Water at Schools and Child Care Facilities standard of 20 ppb, as well as less than the EPA Lead and Copper Rule standard of 15 ppb.

McCabe recommends annual drinking water sampling to ensure that the building's plumbing is not having an adverse impact on water quality.

# APPENDIX A

## LABORATORY CERTIFICATES OF ANALYSIS
## &
## SAMPLE CHAIN OF CUSTODY FORMS

PHOENIX
Environmental Laboratories, Inc.

Tuesday, June 14, 2016

Attn: Janet Leone
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

Project ID: 16-03009
Sample ID#s: BN50868 - BN50872

This laboratory is in compliance with the NELAC requirements of procedures used except where indicated.

This report contains results for the parameters tested, under the sampling conditions described on the Chain Of Custody, as received by the laboratory.

A scanned version of the COC form accompanies the analytical report and is an exact duplicate of the original.

If you have any questions concerning this testing, please do not hesitate to contact Phoenix Client Services at ext. 200.

Sincerely yours,

Phyllis Shiller

Phyllis Shiller
Laboratory Director

NELAC - #NY11301
CT Lab Registration #PH-0618
MA Lab Registration #MA-CT-007
ME Lab Registration #CT-007
NH Lab Registration #213693-A,B
NJ Lab Registration #CT-003
NY Lab Registration #11301
PA Lab Registration #68-03530
RI Lab Registration #63
VT Lab Registration #VT11301

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

June 14, 2016

FOR: Attn: Janet Leone
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | DRINKING WATER | Collected by: | | 06/08/16 | 6:00 |
| Location Code: | MCCABE | Received by: | SW | 06/08/16 | 15:56 |
| Rush Request: | Standard | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBN50868
Phoenix ID: BN50868

Project ID: 16-03009
Client ID: MC-01

| Parameter | Result | RL/ PQL | DIL | Units | DW MCL | Sec Goal | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | < 0.001 | 0.001 | 1 | mg/L | 0.015 | | 06/11/16 | LK | E200.5 | B |
| Total Metal Digestion | Completed | | | | | | 06/09/16 | AG | E200.5/E200.7 | |

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

**Comments:**

Maximum Contaminant Level: 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary DW Maximum Contaminant Level Goal (MCLG): 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


**Phyllis Shiller, Laboratory Director**
**June 14, 2016**
**Reviewed and Released by: Bobbi Aloisa, Vice President**

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
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ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

June 14, 2016

FOR: Attn: Janet Leone
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | DRINKING WATER | Collected by: | | 06/08/16 | 6:01 |
| Location Code: | MCCABE | Received by: | SW | 06/08/16 | 15:56 |
| Rush Request: | Standard | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBN50868
Phoenix ID: BN50869

Project ID: 16-03009
Client ID: MC-02

| Parameter | Result | RL/ PQL | DIL | Units | DW MCL | Sec Goal | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | < 0.001 | 0.001 | 1 | mg/L | 0.015 | | 06/13/16 | LK | E200.5 | B |
| Total Metal Digestion | Completed | | | | | | 06/09/16 | AG | E200.5/E200.7 | |

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

**Comments:**

Maximum Contaminant Level: 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary DW Maximum Contaminant Level Goal (MCLG): 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


**Phyllis Shiller, Laboratory Director**
**June 14, 2016**
**Reviewed and Released by: Bobbi Aloisa, Vice President**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

June 14, 2016

FOR: Attn: Janet Leone
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | DRINKING WATER | Collected by: | | 06/08/16 | 6:04 |
| Location Code: | MCCABE | Received by: | SW | 06/08/16 | 15:56 |
| Rush Request: | Standard | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBN50868
Phoenix ID: BN50870

Project ID: 16-03009
Client ID: MC-03

| Parameter | Result | RL/ PQL | DIL | Units | DW MCL | Sec Goal | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | < 0.001 | 0.001 | 1 | mg/L | 0.015 | | 06/13/16 | LK | E200.5 | B |
| Total Metal Digestion | Completed | | | | | | 06/09/16 | AG | E200.5/E200.7 | |

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

**Comments:**

Maximum Contaminant Level: 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary DW Maximum Contaminant Level Goal (MCLG): 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


**Phyllis Shiller, Laboratory Director**
**June 14, 2016**
**Reviewed and Released by: Bobbi Aloisa, Vice President**

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

June 14, 2016

FOR: Attn: Janet Leone
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | DRINKING WATER | Collected by: | | 06/08/16 | 6:09 |
| Location Code: | MCCABE | Received by: | SW | 06/08/16 | 15:56 |
| Rush Request: | Standard | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBN50868
Phoenix ID: BN50871

Project ID: 16-03009
Client ID: MC-04

| Parameter | Result | RL/ PQL | DIL | Units | DW MCL | Sec Goal | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | < 0.001 | 0.001 | 1 | mg/L | 0.015 | | 06/11/16 | LK | E200.5 | B |
| Total Metal Digestion | Completed | | | | | | 06/09/16 | AG | E200.5/E200.7 | |

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

**Comments:**

Maximum Contaminant Level: 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary DW Maximum Contaminant Level Goal (MCLG): 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


**Phyllis Shiller, Laboratory Director**
**June 14, 2016**
**Reviewed and Released by: Bobbi Aloisa, Vice President**

PHOENIX

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587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Report

June 14, 2016

FOR: Attn: Janet Leone
McCabe Environmental Services, LLC
464 Valley Brook Avenue
Lyndhurst, New Jersey 07071

| Sample Information | | Custody Information | | Date | Time |
|---|---|---|---|---|---|
| Matrix: | DRINKING WATER | Collected by: | | 06/08/16 | 6:12 |
| Location Code: | MCCABE | Received by: | SW | 06/08/16 | 15:56 |
| Rush Request: | Standard | Analyzed by: | see "By" below | | |
| P.O.#: | | | | | |

## Laboratory Data

SDG ID: GBN50868
Phoenix ID: BN50872

Project ID: 16-03009
Client ID: MC-05

| Parameter | Result | RL/ PQL | DIL | Units | DW MCL | Sec Goal | Date/Time | By | Reference | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lead | < 0.001 | 0.001 | 1 | mg/L | 0.015 | | 06/11/16 | LK | E200.5 | B |
| Total Metal Digestion | Completed | | | | | | 06/09/16 | AG | E200.5/E200.7 | |

B = Present in blank, no bias suspected.

RL/PQL=Reporting/Practical Quantitation Level DIL=Dilution (analysis required diluting to evaluate) ND=Not Detected
BRL=Below Reporting Level (less than the reporting level, the lowest amount the laboratory can detect and report.)
MCL = Maximum Contaminant Level MCLG = Maximum Contaminant Level Goal

## Comments:

Maximum Contaminant Level: 40 CFR Part 141. The highest level of a contaminant that is allowed in drinking water. MCLs are enforceable standards.

Secondary DW Maximum Contaminant Level Goal (MCLG): 40 CFR Part 143. The level of a contaminant in drinking water below which there is no known or expected risk to health. MCLGs are non-enforceable public health goals.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.


**Phyllis Shiller, Laboratory Director**
**June 14, 2016**
**Reviewed and Released by: Bobbi Aloisa, Vice President**

PHOENIX

Environmental Laboratories, Inc.
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# QA/QC Report

June 14, 2016

## QA/QC Data

SDG I.D.: GBN50868

| Parameter | Blank | Blk RL | Sample Result | Dup Result | Dup RPD | LCS % | LCSD % | LCS RPD | MS % | MSD % | MS RPD | % Rec Limits | % RPD Limits |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| QA/QC Batch 348442 (mg/L), QC Sample No: BN50865 (BN50868, BN50869, BN50870, BN50871, BN50872) | | | | | | | | | | | | | |
| **ICP Metals - Aqueous** | | | | | | | | | | | | | |
| Lead | 0.001 | 0.001 | <0.001 | 0.002 | NC | 90.3 | | | 89.3 | | | 85 - 115 | 20 |

**Comment:**

Additional: LCS acceptance range is 85-115% MS acceptance range 75-125%.

If there are any questions regarding this data, please call Phoenix Client Services at extension 200.

RPD - Relative Percent Difference
LCS - Laboratory Control Sample
LCSD - Laboratory Control Sample Duplicate
MS - Matrix Spike
MS Dup - Matrix Spike Duplicate
NC - No Criteria
Intf - Interference

Phyllis Shiller, Laboratory Director
June 14, 2016

Criteria: None

State: NJ

# Sample Criteria Exceedences Report

## GBN50868 - MCCABE



| SampNo | Acode | Phoenix Analyte | Criteria | Result | RL | Criteria | RL Criteria | Analysis Units |
|---|---|---|---|---|---|---|---|---|

*** No Data to Display ***

PHOENIX

**Environmental Laboratories, Inc.**
587 East Middle Turnpike, P.O.Box 370, Manchester, CT 06045
Tel. (860) 645-1102 Fax (860) 645-0823

ACCREDITED IN ACCORDANCE WITH nelac NY # 11301

# Analysis Comments

June 14, 2016 SDG I.D.: GBN50868

The following analysis comments are made regarding exceptions to criteria not already noted in the Analysis Report or QA/QC Report: None.

20 6 N C

**McCABE ENVIRONMENTAL SERVICES, L.L.C.**
464 VALLEY BROOK AVENUE LYNDHURST, NJ 07071• PHONE: (201)438-4839 FAX: (201)438-1798

**LEAD in DRINKING WATER**

**CHAIN-OF-CUSTODY FORM**

| | |
|---|---|
| **CLIENT NAME:** Lyndhurst Board of Education | **SITE ADDRESS:** Memorial Campus<br>319 New York Avenue, Lyndhurst, New Jersey 07071 |
| **FIELD INSPECTOR'S NAME:** Matt Smith | **TURNAROUND TIME REQUESTED:** 5-7 days |
| **MES PROJECT #:** 16-03009 **SAMPLE DATE:** 6/8/16 | |

| | Matrix | SAMPLE ID | SAMPLE LOCATION | TIME COLLECTED | ANALYSIS REQUESTED |
|---|---|---|---|---|---|
| 50868 | DW | MC-01 | First Floor - Main Bldg. - Water Cooler | 6:00 AM | LEAD – 200.8 |
| 50869 | DW | MC-02 | First Floor - Main Bldg. - Staff Lunch Room - Sink | 6:01 AM | LEAD – 200.8 |
| 50870 | DW | MC-03 | Main Bldg. - Nurse's Office - Sink | 6:04 AM | LEAD – 200.8 |
| 50871 | DW | MC-04 | New Bldg. - Outside File Room - Low Water Cooler | 6:09 AM | LEAD – 200.8 |
| 50872 | DW | MC-05 | New Bldg. - Corridor #2 - Low Water Cooler | 6:12 AM | LEAD – 200.8 |
| | DW | | | | LEAD – 200.8 |
| | DW | | | | LEAD – 200.8 |
| | DW | | | | LEAD – 200.8 |
| | DW | | | | LEAD – 200.8 |
| | DW | | | | LEAD – 200.8 |

| | Date: | Time: | | Date: | Time: |
|---|---|---|---|---|---|
| **Relinquished by (Print)** Matt Smith | 6/8/16 | 12:25 | **Received by: (Print)** BRAD CASTAGNO | 6/8/16 | 12:26 |
| **Signature:** Matt Smith | | | **Signature:** Brad Castagno | | |
| **Relinquished by (Print)** Brad Castagno | 6-8-16 | 15:50 | **Received by: (Print)** | Date: | Time: |
| **Signature:** Brad Castagno | | | **Signature:** | | |

**Laboratory Analysis Performed by (Analyst Signature, Laboratory Name & Location):** Phoenix Environmental Laboratories

NJ Certified WBE