

Intended for
Mr. Todd DePaul
Director of Building Operations
Indian Prairie Community Unit School District #204
780 Shoreline Drive
Aurora, IL 60504

Date
April 2017

Project Number
21 42996A

**Indian Prairie Community Unit
School District 204
780 Shoreline Drive
Aurora, Illinois 60504**
DRINKING WATER TESTING



Indian Prairie Community Unit School District 204 Drinking Water Testing

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ACRONYMS AND ABBREVIATIONS

AL	Action Level
COC	chain-of-custody
EMT	Environmental Monitoring Technologies
IDPH	Illinois Department of Public Health
IL ELAP	Illinois Environmental Laboratory Accreditation Program
ml	milliliter
ppb	parts per billion
Ramboll Environ	Ramboll Environ US Corporation
NELAP	National Environmental Laboratory Accreditation Program
IPSD 204	Indian Prairie Community Unit School District 204
RL	Reporting Limit
Unit Conversion	1 ppb = 0.001 mg/L (15 ppb = 0.015 mg/L)
USEPA	United States Environmental Protection Agency

1. INTRODUCTION

The following report summarizes the findings of the lead in drinking water testing conducted for the Indian Prairie Community Unit School District #204 (IPSD 204) at Longwood Elementary School, Brookdale Elementary School, Clow Elementary School and Georgetown Elementary School.

A total of 94 water samples were collected from Longwood, Brookdale, Clow and Georgetown Elementary Schools. Sampling locations included all fountains and sinks present in rooms occupied by students of kindergarten age or lower. These locations were identified by IPSD 204 on building floor plans.

Samples were collected on April 14, 2017 in new, sealed 250 milliliter (ml) bottles after the water was stagnant in the building piping for a minimum of 8 hours, but not more than 18 hours. All samples were collected from the fixtures as "first draw" and "flush". The flush sample was collected approximately 30 seconds following the first draw sample. In the case of multiple faucets draining to the same drain, only one flush sample is required to be collected. Each sample bottle was labeled with a unique sampling number specific for each individual fixture tested. Samples listed with a 'P' are first draw and samples listed with an 'F' are flush samples. Samples were submitted using chain-of-custody (COC) forms provided by the laboratory.

Samples were analyzed by Suburban Laboratories located in Geneva, IL, using Lab Method 200.8. This method has a Reporting Limit (RL) of 2 parts per billion (ppb) for lead. Suburban Laboratories participates in the Illinois Environmental Laboratory Accreditation Program (IL ELAP) and National Environmental Laboratory Accreditation Program (NELAP) accreditation number 100225, certificate number 004120.

Laboratory reports are included in Appendix A. School building floor plans noting the sample locations are included in Appendix B.

Samples were collected by Ms. Stephanie Stavropoulos, Associate with Ramboll Environ US Corporation (Ramboll Environ). Project management was performed by Mr. Robert Livingston, RS, LEHP Manager with Ramboll Environ. Project oversight was provided by Mr. Robert Rottersman, MS, CIH Principal with Ramboll Environ.

2. RESULTS

A total of 94 water samples were collected from Longwood, Brookdale, Clow and Georgetown Elementary Schools. Five (5) of the 94 total samples were found to have lead concentrations greater than the Illinois Department of Public Health (IDPH) RL of 5 ppb – but less than the United States Environmental Protection Agency's (USEPA) Action Level (AL) of 15 ppb. One (1) sample had a lead level above the USEPA AL. Eighty-eight (88) samples had lead levels less than 5 ppb.

Sample results for samples above 5 ppb and below 15 ppb are listed below:

- Georgetown-LMC, south water cooler – flush 6.58 ppb
- Georgetown-LMC, north drinking fountain – first draw 7.47 ppb
- Georgetown Room 147, sink – first draw 5.58 ppb
- Georgetown Room 148, sink – first draw 6.97 ppb
- Longwood Room 148, sink 2 – first draw 11.5 ppb

Sample results greater than 15 ppb are listed below:

- Georgetown 2nd Floor southwest corridor drinking fountain – first draw 15.6 ppb

3. CONCLUSIONS

Ninety-four water samples were collected at Longwood, Brookdale, Clow and Georgetown Elementary Schools on April 14, 2017. Eighty-eight (88) of the samples were below the current IDPH requirement of 5 ppb lead.

Based on the results of the sampling and in accordance with the new IDPH requirements, IPSD 204 is required to:

1. Notify all parents and guardians in writing or electronically about the test results which are greater than (>) 5 ppb;
2. Provide information about lead in drinking water that can be found on the USEPA website (<http://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-in-drinking-water>);
3. Post any sample results reported to be less than (<) 5 ppb on the School Districts website at a minimum; and
4. IPSD 204 must submit these sample results by emailing this report to the IDPH at the following address: dph.leadh2o@illinois.gov. IDPH requires results be submitted within 7 days.

If you have any questions regarding this report, please do not hesitate to contact us.

Sincerely,

Ramboll Environ US Corporation



Robert M. Livingston, RS, LEHP

Manager
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Reviewed by,



Robert B. Rottersman, MS, CIH

Principal
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**Indian Prairie Community Unit School District 204
Drinking Water Testing**

**APPENDIX A
LABORATORY REPORTS**

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
Tel. (708) 544-3260 • Toll Free (800) 783-LABS
Fax (708) 544-8587
www.suburbanlabs.com

Client ID: Ramboll Environ

Report Date: April 21, 2017

Project Name: 2142996A Longwood Drinking Water Lead Analysis

Workorder: 1704A86

Analyte: Lead

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1704A86-001A	LO South C-WC-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-002A	LO South C-BF-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-003A	LO South C-WC-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-004A	LO South C-DF1-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-005A	LO South C-DF1-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-006A	LO South C-DF2-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-007A	LO South C-DF2-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-008A	LO East C-DF1-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-009A	LO East C-DF1-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-010A	LO East C-DF2-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-011A	LO East C-DF2-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-012A	LO East C-DF3-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-013A	LO East C-DF3-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-014A	LO SWC-DF1-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-015A	LO SWC-DF1-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-016A	LO SWC-DF2-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-017A	LO SWC-DF2-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-020A	LO 148- SK2-P	11.5	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-021A	LO 148- SK2-F	3.84	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-022A	LO 147-WC-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-023A	LO 147-WC-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-024A	LO 147-SK-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-025A	LO 147-SK-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-026A	LO 146-WC-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-027A	LO 146-WC-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-028A	LO 146-SK-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A86-029A	LO 146-SK-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017

ND - Not Detected Down to the Laboratory Minimum Reporting Limit (MRL)

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Client ID: Ramboll Environ

Report Date: April 25, 2017

Project Name: 2142996A Brookdale Drinking Water Lead Analysis

Workorder: 1704A59

Analyte: Lead

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1704A59-001A	BR-West Corridor-DF-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-002A	BR-West Corridor-DF -F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-003A	BR-South C-WC-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-004A	BR-South C-WC-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-005A	BRLMCS-WC-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-006A	BRLMCS-BF-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-007A	BRLMCS-WC-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-008A	BRLMCN DF-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-009A	BRLMCN DF-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-010A	BR East C DF-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-011A	BR East C DF-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-012A	BR147 DF-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-013A	BR147 DF-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-014A	BR147 SK-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-015A	BR147 SK-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-016A	BR148 DF -P	2.18	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-017A	BR148 DF -F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-018A	BR148 SK -P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-019A	BR148 SK -F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-020A	BR2ndFL EastC -WC-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-021A	BR2nd FL East C- WC-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-022A	BR2nd FL West C-DF-P	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017
1704A59-023A	BR2nd FL West C-DF-F	ND	2.00	µg/L	04/13/17 23:00	4/14/2017	4/18/2017

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Client ID: Ramboll Environ

Report Date: April 25, 2017

Project Name: 2142996A CLOW Drinking Water Lead Analysis

Workorder: 1704A49

Analyte: Lead

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1704A49-001A	CLEastC WC-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-002A	CLEastC WC-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-003A	CLSouthC WC-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-004A	CLSouthC WC-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-005A	CLSouthC BF-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-006A	CL159CBF-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-007A	CL159CBF-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-008A	CL159CWC-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-009A	CL159CWC-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-010A	CLNWC WC-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-011A	CLNWC WC-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-012A	CLSWC-WC1-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-013A	CLSWC-WC1-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-014A	CLSWC-WC2-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-015A	CLSWC-WC2-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-016A	CL206C WC-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-017A	CL206C WC-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-018A	CL211C WC-P	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017
1704A49-019A	CL211C WC-F	ND	2.00	µg/L	04/13/17 23:15	4/14/2017	4/18/2017

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Client ID: Ramboll Environ

Report Date: April 25, 2017

Project Name: 2142996A Georgetown Drinking Water Lead Analysis

Workorder: 1704A85

Analyte: Lead

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1704A85-001A	GTWest C-DF-P	2.93	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-002A	GTWest C-DF-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-003A	GT Gym-DF-P	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-004A	GT Gym-DF-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-005A	GT South C-WC-P	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-006A	GT South C-WC-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-007A	GT South C-BF-P	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-008A	GT LMCS-WC-P	4.27	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-009A	GT LMCS-WC-F	6.58	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-010A	GT LMCN-DF-P	7.47	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-011A	GT LMCN-DF-F	4.74	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-012A	GT East C-DF-P	3.02	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-013A	GT East C-DF-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-014A	GT 147-DF-P	3.86	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-015A	GT 147-DF-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-016A	GT 147-SK-P	5.58	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-017A	GT 147-SK-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-018A	GT 148-DF-P	4.76	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-019A	GT 148-DF-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-020A	GT 148-SK-P	6.97	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-021A	GT 148-SK-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-022A	GT 2nd FL East C-WC-P	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-023A	GT 2nd FL East C-WC-F	ND	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-024A	GT 2nd FL S-WC-DF-P	15.6	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017
1704A85-025A	GT 2nd FL S-WC-DF-F	2.72	2.00	µg/L	04/13/17 23:30	4/14/2017	4/18/2017

ND - Not Detected Down to the Laboratory Minimum Reporting Limit (MRL)