

Report on Lead in School Drinking Water

K-12 Marion County, Indiana



Acknowledgments



Special appreciation goes to the Marion County Public Health Healthy Homes, Environmental Consumer Management and Senior Care Department, which ensured the execution of this project.

A special debt of gratitude goes to Karla Johnson, Administrator of the Healthy Homes, Environmental Consumer Management and Senior Care Department, who conceptualized and provided invaluable oversight and management of the project. This occurred under the leadership of Dana Reed Wise, Chief of the Bureau of Environmental Health. Thanks also go to Daniel Fries, Environmental Supervisor, and Elizabeth Bowman, Epidemiology Manager, who were integral in initiating this project.

The MCPHD Public Health Laboratory coordinated the analysis of the majority of the water samples. The laboratory team is led by Dr. Michael Davis, Director, along with Andrea Olson, Environmental Laboratory Manager, and Environmental Chemists Samantha Kumfer, Sarah Bennett and David Watkins.

A Message from the Director

Out of an abundance of caution raised from the national spotlight on lead in school drinking water, the Marion County Public Health Department and Healthy Homes, Environmental Consumer Management and Senior Care Department Administrator Karla Johnson and her staff conducted an exhaustive, comprehensive survey of Marion County schools as part of an effort to ensure safe water standards.

Over the course of our school testing, 8,842 water samples were taken from a total of 297 school facilities. This voluntary program included public, private, independent and charter schools. Testing sites included all areas where children had access or one could reasonably assume a child could access. These areas included kitchen prep sinks, fountains, bathroom sinks in classrooms for younger children, clinics and teacher lounges if children were allowed to access them. Testing staff relied on school personnel to identify areas within the buildings that children had access. Out buildings, such as concession stands and athletic facilities, were included in testing sites.

The preliminary results were processed and provided to the schools with suggested recommendations for remediation. Recommendations were intended to offer short- and long-term remediation efforts that the schools could realistically accomplish without negatively impacting tight budgets. Upon completion of testing, I asked the schools to report any remediation measures they took to address areas of concern for safety.

In addition, my team initiated or requested re-testing by the Marion County Public Health Department after upgrades and repairs to water systems were made to determine the success of the remediation efforts. This has been a collaborative process with our department and the schools, and I am grateful for the attention they gave this critical issue.

The pages that follow provide an overview of the study we conducted as well as the discovered results.

Sincerely,



Virginia A. Caine, MD

Director, Marion County Public Health Department



Introduction

As part of a nationwide response to lead contamination in school drinking water, the Marion County Public Health Department conducted an exhaustive, comprehensive survey of Marion County schools as part of an effort to ensure safe water standards.

Thanks to a Marion County school requesting and identifying the importance of water testing in school systems, the Administrator and Environmental Supervisor at the Marion County Public Health Department decided to offer the same service to every school in Marion County. A letter was then sent to superintendents and school leaders offering free voluntary water testing in their schools. The offer was widely and enthusiastically accepted by every public, private and charter school in Marion County with the exception of a few schools.

Over the course of the next 16 months, the Administrator and Environmental Supervisor tested 297 schools and took 8,842 water samples for testing drinking water in schools and child care facilities. The results showed wide-ranging lead contamination in Marion County schools.

It is also important to note that when testing began, all procedures were performed in accordance with Environmental Protection Agency(EPA) standards at that time. In October 2018, after testing and retesting were performed, the EPA increased the length of the stagnation period before sample collection. The EPA also changed the action level from 20 ppb to undefined. There currently is no defined action level according to the EPA. Rather, the EPA encourages schools to prioritize remediation efforts based on lead sample results and to reduce their lead levels to the lowest possible concentrations.

The procedure for water testing, using EPA guidelines at the time of testing, are as follows:

- ▶ **Determine which outlets will be sampled. Determine priorities and code outlets appropriately.**
- ▶ **Outlets must be inactive for at least 6 to 8 hours before testing. (Overnight is best.)**
- ▶ **Take a “first draw” 250 ml sample at each outlet. A “first draw” is the water that is the first to come out of the tap after the period of inactivity.**
- ▶ **Send samples to a laboratory that is certified to test lead in drinking water.**

Prior to sampling at the larger schools, the Administrator and Environmental Supervisor conducted a pre-sampling walkthrough of the building during normal business hours to map the places where water testing was to be conducted.

The actual water testing was scheduled to occur early in the morning before employees entered the building and began using the water. This ensured the water was undisturbed for a period of 6-8 hours prior to the sampling. Water testing generally occurred between 5 – 6:30 a.m. Each sample was labeled and sent to the Marion County Public Health Laboratory for analysis.

The laboratory is certified for lead testing in water by the Indiana State Department of Health and is inspected by their survey officer every three years. The lab is recognized for its continual successful performance of proficiency samples twice a year through the EPA, and the analytical procedures used as methods of analysis to determine the quality of drinking water are approved by the EPA.

Blood lead level screenings are conducted every year in Marion County for children ages 0 to 5 years. Blood lead levels are confirmed by one venous blood test or two capillary blood lead tests drawn within 12 weeks of each other. Marion County is below the national average of children ages 0 to 5 years with elevated blood lead levels. Nationally in 2016, 10.4% of children ages 0 to 5 years were screened for lead, with 4% of those screened having elevated blood lead levels. It is important to note, the primary source for lead poisoning comes from within the home rather than in schools or child care facilities.

Lead Screening Rate for Marion County, Indiana

Year	# of Children Tested for Lead (ages 0-5)	Estimated # of Children in Marion Co., Indiana (ages 0-5)	Lead Screening Rate	# of Children with a Confirmed Elevated Lead Level	% of Children Tested with an Elevated Blood Lead Level
2016	8,286	82,915	10.0%	251	3.0%
2017	8,728	82,798	10.5%	246	2.8%

Marion County is below the national average of children ages 0 to 5 years with elevated blood lead levels.

Recommendations and Resources

Every school, regardless of sampling results, received information for addressing lead in drinking water.

Recommendations for easy, cost-effective ways for a school to address lead contamination in its drinking water were offered. Recommendations included:

- ▶ Take affected fixture (fountains, faucets, sinks, etc.) out of service until repairs can be made.
- ▶ Clean debris from accessible faucet and fountain screens (aerators) frequently. Clean and inspect periodically.
- ▶ Use only cold water for food and beverage preparation in kitchens.
- ▶ Flush the pipes by letting the water run for a few minutes before use. This will bring in fresh water that has not been standing in the pipes.
- ▶ Provide bottled water.

A copy of the water results is available at marionhealth.org.

Additional resources regarding lead standards and screening:

3Ts for Reducing Lead in Drinking Water in Schools and Child Care Facilities

This is a manual produced by the EPA containing recommendations on how to address lead drinking water in schools and child care facilities. It also describes federal statutory requirements that apply to all repairs and new installations of pipes, fittings and fixtures in facilities providing water for human consumption. This document is intended to serve as a resource to help schools and child care facilities implement a voluntary program for reducing lead in drinking water, focusing on the three key steps of training, testing and taking action.

https://www.epa.gov/sites/production/files/2018-09/documents/final_revised_3ts_manual_508.pdf

Drinking Water Best Management Practices for Schools and Child Care Facilities Served by Municipal Water Systems

This guide is intended for use by school officials and child care providers responsible for the maintenance and/or safety of school and child care facilities including the drinking water. The purpose of this guide is to describe the importance of implementing best management practices for drinking water in schools and child care facilities and how a school or child care facility would go about implementing these practices.

https://www.in.gov/idem/files/lead_epa_schools_pws.pdf

New Blood Lead Level Information

This information provided by the Center for Disease Control (CDC) addresses blood lead levels in children, what parents need to know to protect their children, and additional resources concerning lead exposure.

https://www.cdc.gov/nceh/lead/acclpp/blood_lead_levels.html

Frequently Asked Questions

The Marion County Public Health Department understands some questions may arise while reading this report. So we have compiled a list of what we anticipate to be the most frequently asked questions regarding the contents of this report and lead testing in general. Should you have further questions not included in the list below, additional information and contact information can be found at marionhealth.org.

1 What is considered an elevated lead level in a school's drinking water?

At the time of testing, 20 ppb (parts per billion) was the EPA's recommended trigger for action for water at schools and child care facilities. When testing took place, all procedures were performed in accordance with EPA standards at that time.

Now, according to the EPA, there currently is no defined action level. Rather, the EPA encourages schools to prioritize remediation efforts based on lead sample results and to reduce their lead levels to the lowest possible concentrations.

2 Are schools required to test their drinking water for lead?

There are currently no federal or state laws mandating regular testing of school drinking water for lead in Indiana.

3 How can lead get into the water supply?

Lead primarily enters drinking water through corrosion of internal plumbing materials such as sinks, faucets, lead service lines, lead solder, brass fittings and fixtures, and galvanized steel pipes. Lead is not commonly found in ground or surface water. Even though the drinking water received from a public water system meets federal and state standards for lead, a school may still have elevated lead levels due to plumbing materials and/or water use patterns. In most cases, the issue is not system-wide but specific to the fixture identified.

4 What is being done to address affected fixtures?

Recommendations include:

- ▶ Take affected fixture (fountains, faucets, sinks, etc.) out of service until repairs can be made.
- ▶ Clean debris from accessible faucet and fountain mesh screens (aerators) frequently. Clean and inspect periodically.

Frequently Asked Questions

- ▶ Use only cold water for food and beverage preparation in kitchens.
- ▶ Flush pipes by letting the water run for a few minutes before use. This will bring in fresh water that has not been standing in the pipes.
- ▶ Provide bottled water.

5 How do I know if my child's school has been affected?

The full report can be found at marionhealth.org.

6 What is being done with schools that didn't volunteer for testing? What should I do as a parent of a child in one of the schools that didn't volunteer?

All schools have been made aware of the opportunity for free water testing by the Marion County Public Health Department. We recommend that parents who would like their child's school to complete testing contact the school administrator.

7 My child's school has affected fixtures. How will I know when they've been fixed?

All fixtures in schools have either passed EPA standards at the time testing occurred or have been taken out of service. Remediation efforts for all affected schools are posted at marionhealth.org.

8 How many children have been screened for lead poisoning?

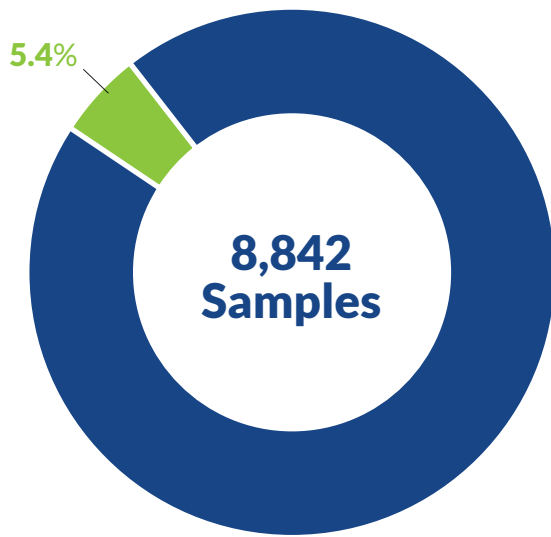
The Marion County Public Health Department screens children for lead every year. In 2017, Marion County tested 10.5% (8,728) of Marion County children ages 0 to 5 years. Of those tested, only 2.8% (246) had an elevated blood lead level.

It is important to note, the primary source for lead poisoning comes from within the home rather than in schools or child care facilities.

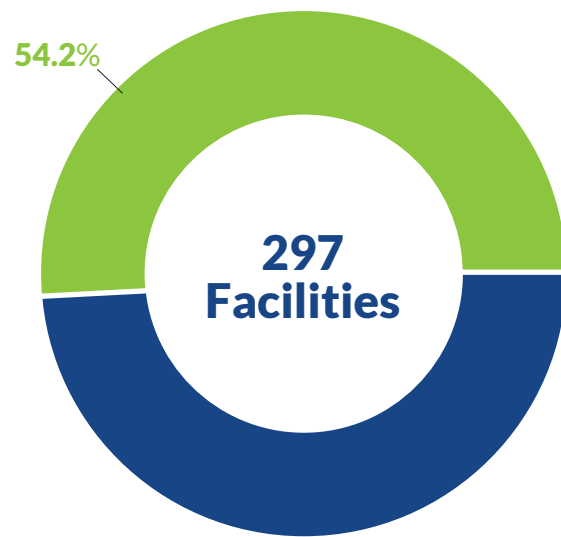
Findings Summary

Sampling Overview

Over the course of 16 months, 8,842 water samples were taken from a total of 297 schools. From all samples taken, 5.4% exceeded the EPA standard at the time of testing of 20 ppb in schools.



- Samples testing in violation of EPA standard - 475
- Samples testing in compliance with EPA standard - 8,367



- Facilities testing in violation of EPA standard - 161
- Facilities testing in compliance with EPA standard - 136

After remediation, fixtures in all schools are in compliance with EPA standards at the time of testing or have been taken out of service.

Findings Summary

Lead Retesting Results Summary by District

School/District	# of samples taken	# of facilities	# of elevated samples (% elevated samples)	# of facilities with elevated samples (% of facilities)	Retesting Results
Beech Grove	151	5	0	0	All Passed & Problematic Fixtures Disconnected
Decatur Township	267	7	0	0	All Passed & Problematic Fixtures Disconnected
Franklin Township Community	285	11	0	0	All Passed
Indianapolis Public Schools	1,809	62	0	0	All Passed
Lawrence Township	897	21	0	0	All Passed & Problematic Fixtures Disconnected
Perry Township	532	17	0	0	All Passed & Problematic Fixtures Disconnected
Pike Township	528	14	0	0	All Passed
Private Schools*	2,709	109	0	0	All Problematic Fixtures Disconnected
Speedway	141	5	0	0	All Passed
Warren Township	698	16	0	0	All Passed & Problematic Fixtures Disconnected
Washington Township	197	12	0	0	All Passed
Wayne Township	628	18	0	0	All Passed & Problematic Fixtures Disconnected

* = Archdiocese of Indianapolis, Charter Schools, Independent Non-Public Schools, Lutheran Schools of Indiana, Other Schools

Recommendations were given to each affected school to remedy the situation. Schools completed a variety of corrective measures, including replacing water fountains, adding filters and retesting the affected water lines/sources. Re-testing of facilities once corrective measures were taken was also encouraged. Indianapolis Public Schools, Speedway and Wayne Township chose to retest with an outside source, rather than with the Marion County Public Health Department.

All schools have successfully passed all re-testing, with all locations and water sources either in compliance with EPA standards at the time of testing or taken out of service. With such significant success, the Marion County Public Health Department now turns its attention to testing of copper in school drinking water and corresponding remediation efforts.

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
ARCHDIOCESE OF INDIANAPOLIS			
Bishop Chatard High School	18	0	0
Brebeuf Jesuit Preparatory School	29	0	0
Cardinal Ritter High School	13	0	0
Central Catholic School	10	1	0
Christ The King School	38	2	Problematic Fixture(s) Disconnected
Holy Angels Catholic School	13	0	0
Holy Cross Central School	32	0	0
Holy Name Catholic School	28	0	0
Holy Spirit School	25	0	0
Immaculate Heart of Mary School	30	2	0
Our Lady of Lourdes School	14	0	0
Providence Cristo Rey High School	5	2	Problematic Fixture(s) Disconnected
Roncalli High School	28	0	0
Saint Barnabas School	34	2	0
Saint Joan of Arc School	25	1	Problematic Fixture(s) Disconnected
Saint Jude Elementary School	44	1	0
Saint Luke School	67	5	Problematic Fixture(s) Disconnected
Saint Mark School	14	0	0
Saint Matthew School	53	11	Problematic Fixture(s) Disconnected
Saint Philip Neri School	19	1	Problematic Fixture(s) Disconnected
Saint Pius X School	31	4	Problematic Fixture(s) Disconnected
Saint Roch School	24	0	0
Saint Simon The Apostle School	70	2	Problematic Fixture(s) Disconnected
Saint Thomas Aquinas School	23	3	0

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Seccina Memorial High School	14	0	0
Saint Anthony Catholic School	25	1	Problematic Fixture(s) Disconnected
Saint Michael The Archangel School	27	1	0
Saint Therese Little Flower School	17	0	0
BEECH GROVE CITY SCHOOLS			
Beech Grove Middle School	18	0	0
Beech Grove Senior High School	21	2	Problematic Fixture(s) Disconnected
Central Elementary School	37	2	Problematic Fixture(s) Disconnected
Hornet Park Elementary School	56	1	0
South Grove Intermediate School	19	0	0
CHARTER SCHOOLS			
ACE Preparatory Academy	17	1	Problematic Fixture(s) Disconnected
Andrew J. Brown Academy	23	1	0
Carpe Diem - Meridian Campus	6	0	0
Carpe Diem Closed School	6	1	Facility Has Closed - No Retest
Charles A Tindley Accelerated School	20	0	0
Christel House Academy South	37	0	0
Christel House Academy West	36	0	0
Damar Charter Academy	9	1	Problematic Fixture(s) Disconnected
Emma Donnan Middle School	32	3	0
Emmerich Manual High School	15	1	0
Enlace Academy	16	0	0
Herron High School	13	0	0
Hope Academy	5	0	0
IN Math & Science Academy	17	1	0
IN Math & Science Academy - North	36	8	Problematic Fixture(s) Disconnected
IN Math & Science Academy - South	27	2	Facility Has Closed - No Retest

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School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Indiana College Preparatory School	20	2	Problematic Fixture(s) Disconnected
Indianapolis Academy of Excellence	21	1	Problematic Fixture(s) Disconnected
Indianapolis Metropolitan High School	11	0	0
Indianapolis Lighthouse Charter School	24	1	Problematic Fixture(s) Disconnected
Irvington Community School	16	0	0
KIPP Indy College Prep Middle	30	3	Problematic Fixture(s) Disconnected
Marion Academy	4	0	0
Nexus Academy of Indianapolis	6	0	0
Paramount School of Excellence	31	0	0
Phalen Leadership Academy-IN Inc.	31	0	0
SE Neighborhood School of Excellence	26	0	0
Thomas Carr Howe Comm High School	29	0	0
Tindley Genesis Academy	15	0	0
Tindley Preparatory Academy	10	0	0
Tindley Renaissance Academy	25	1	Problematic Fixture(s) Disconnected
Vision Academy	32	0	0
FRANKLIN TOWNSHIP COMMUNITY SCHOOLS			
Acton Elementary School	31	1	0
Arlington Elementary School	24	6	0
Bunker Hill Elementary School	28	7	0
Franklin Central High School	35	3	0
Franklin Township Middle School East	13	3	0
Franklin Township Middle School West	11	1	0
Franklin Township West Annex	13	2	0
Lillie Idella Kitley Elementary	45	7	0
Mary Adams Elementary School	30	4	0
South Creek Elementary	26	9	0

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Thompson Crossing Elementary School	29	2	0
INDEPENDENT NON-PUBLIC SCHOOLS			
Burge Terrace Christian School	24	0	0
Calvary Christian School	34	2	Problematic Fixture(s) Disconnected
Capitol City SDA Church School	7	0	0
Central Christian Academy	17	0	0
Christ Church Christian Academy	19	0	0
Colonial Christian School	31	1	0
Colonial Christian School Rec. Center	2	0	0
Cornerstone Baptist Academy	18	0	0
Covenant Christian High School	8	0	0
Curtis Wilson Primary School	48	0	0
Fortune Academy	10	3	0
Gray Road Christian School	15	2	Problematic Fixture(s) Disconnected
Hasten Hebrew Academy of Indianapolis	64	9	Problematic Fixture(s) Disconnected
Heritage Christian School	59	1	0
Horizon Christian School	16	0	0
International School of IN	7	0	0
International School Elementary	31	1	Problematic Fixture(s) Disconnected
Islamic Academy of Indianapolis	5	0	0
Jewish Community Center	42	9	Problematic Fixture(s) Disconnected
Legacy Learning Center	6	0	0
MTI School of Knowledge	22	0	0
Maria Montessori International Academy	3	0	0
Montessori Garden Academy	16	0	0
Park Tudor School	85	4	0
School for Community Learning	15	0	0

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Southside Christian School	6	0	0
St Richard's Episcopal School	52	3	Problematic Fixture(s) Disconnected
Sycamore School	79	0	0
TP Schools	22	0	0
The Oaks Academy - Brookside	26	6	Problematic Fixture(s) Disconnected
The Oaks Academy - Middle School	23	2	Problematic Fixture(s) Disconnected
The Orchard School	87	3	0
Trinity Christian School	13	1	Problematic Fixture(s) Disconnected
Worthmore Academy	5	0	0
INDIANAPOLIS PUBLIC SCHOOLS			
Anna Brochhausen School 88	26	0	0
Arlington Community High School	28	2	0
Arlington Woods School 99	34	1	0
Arsenal Technical High School	73	3	0
Broad Ripple Mgnt HS for Performing Arts	38	7	0
Brookside School 54	47	0	0
Carl Wilde School 79	28	0	0
Center for Inquiry School 2	24	4	0
Center for Inquiry School 27	28	0	0
Center for Inquiry School 70	27	4	0
Center for Inquiry School 84	31	0	0
Charles Warren Fairbanks School 105	26	0	0
Christian Park School 82	30	0	0
Clarence Farrington School 61	35	4	0
Cold Spring School	13	0	0
Crispus Attucks Med Mgnt Jr HS	21	0	0
Daniel Webster School 46	29	0	0

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Edison School of the Arts 47	31	0	0
Elder W Diggs School 42	37	2	0
Eleanor Skillen School 34	43	0	0
Eliza A Blaker School 55	17	1	0
Ernie Pyle School 90	32	0	0
Floro Torrence School 83	20	1	0
Food Service	1	0	0
Francis Bellamy Pre-School Center	17	4	0
Francis W Parker School 56	33	2	0
Frederick Douglass School 19	30	1	0
George H Fisher School 93	17	0	0
George S Buck School 94	21	0	0
George W Julian School 57	27	0	0
George Washington Carver School 87	22	1	0
George Washington Comm Jr HS	31	0	0
H L Harshman Middle School	14	0	0
IPS/ Butler University Lab Sch 60	39	0	0
James A Garfield School 31	29	0	0
James Russell Lowell School 51	49	0	0
James Whitcomb Riley School 43	43	1	0
John Marshall Community High School	31	2	0
Jonathan Jennings School 109	17	0	0
Joyce Kilmer School 69	23	2	0
Lew Wallace School 107	25	0	0
Longfellow Building	9	0	0
Louis B Russell Jr School 48	36	0	0
McFarland Alternative Center	26	5	0

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Meredith Nicholson School 96	20	1	0
Merle Sidener Gifted Academy	25	1	0
Northwest Community High School	20	0	0
Paul I Miller School 114	47	1	0
Phalen at Francis Scott Key 103	33	2	0
Ralph Waldo Emerson School 58	22	0	0
Raymond F Brandes School 65	18	1	0
Riverside School 44	47	0	0
Robert Lee Frost School 106	16	3	0
Rousseau McClellan School 91	42	0	0
Shortridge High School	30	0	0
Stephen Foster School 67	30	0	0
Theodore Potter School 74	21	0	0
Thomas D Gregg School 15	48	1	0
Washington Irving School 14	26	0	0
Wendell Phillips School 63	42	1	0
William McKinley School 39	20	0	0
William Penn School 49	44	1	0
LUTHERAN SCHOOLS OF INDIANA			
Calvary Lutheran School	29	1	Problematic Fixture(s) Disconnected
Emmaus Lutheran School	10	3	0
Holy Cross Lutheran School	58	0	0
Saint John Ev Lutheran School	30	5	Problematic Fixture(s) Disconnected
MSD DECATUR TOWNSHIP			
Blue Academy	48	6	Problematic Fixture(s) Disconnected
Decatur Central High School	26	1	0
Decatur Middle School	21	0	0

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Liberty Early Elementary School	75	18	Problematic Fixture(s) Disconnected
Stephen Decatur Elementary School	0	14	0
Valley Mills Elementary School	60	1	0
West Newton Elementary School	23	1	0
MSD LAWRENCE TOWNSHIP			
Amy Beverland ELC	60	0	0
Amy Beverland Elementary	47	2	Problematic Fixture(s) Disconnected
Belzer Middle School	22	1	0
Brook Park ELC	64	1	0
Brook Park Elementary School	36	0	0
Crestview Elementary School	41	1	Problematic Fixture(s) Disconnected
Early Learning Center	3	0	0
Fall Creek Valley Middle School	39	2	Problematic Fixture(s) Disconnected
Forest Glen Elementary School	57	7	Problematic Fixture(s) Disconnected
Harrison Hill Elementary School	35	2	0
Indian Creek Elementary School	38	0	0
Lawrence Central High School	33	1	0
Lawrence North High School	37	3	Problematic Fixture(s) Disconnected
Mary Evelyn Castle Early Learning	67	0	0
Mary Evelyn Castle Elementary School	30	3	Problematic Fixture(s) Disconnected
McKenzie Career Center	24	1	Problematic Fixture(s) Disconnected
Oaklandon Elementary School	48	2	0
Skiles Test Elementary School	47	1	0
Sunnyside Elementary School	53	0	0
Winding Ridge ELC	65	1	Problematic Fixture(s) Disconnected
Winding Ridge Elementary School	51	0	0

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School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
MSD PIKE TOWNSHIP			
Central Elementary School	54	5	0
College Park Elementary School	40	0	0
Deer Run Elementary	50	0	0
Eagle Creek Elementary School	39	0	0
Eastbrook Elementary School	46	2	0
Fishback Creek Public Academy	48	2	0
Guion Creek Elementary School	58	0	0
Guion Creek Middle School	23	1	0
Lincoln Middle School	22	1	0
New Augusta Pub Academy-South	27	7	0
New Augusta Public Academy-North	23	1	0
Pacers Academy High School	4	0	0
Pike High School	47	1	0
Snacks Crossing Elementary School	47	3	0
MSD WARREN TOWNSHIP			
Brookview Elementary School	63	1	0
Creston Middle School	21	2	Problematic Fixture(s) Disconnected
Eastridge Elementary School	60	0	0
Grassy Creek Elementary School	43	8	Problematic Fixture(s) Disconnected
Hawthorne Elementary School	37	10	Problematic Fixture(s) Disconnected
Lakeside Elementary School	56	1	0
Liberty Park Elementary School	58	0	0
Lowell Elementary School	49	5	Problematic Fixture(s) Disconnected
Pleasant Run Elementary School	43	12	Problematic Fixture(s) Disconnected
Raymond Park Middle School	24	6	Problematic Fixture(s) Disconnected
Renaissance School	12	0	0

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School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Stonybrook Middle School	32	1	Problematic Fixture(s) Disconnected
Sunny Heights Elementary School	62	7	Problematic Fixture(s) Disconnected
Walker Career Center	30	1	Problematic Fixture(s) Disconnected
Warren Central High School	42	0	0
Warren Early Childhood Center	66	2	0
MSD WASHINGTON TOWNSHIP			
Allisonville Elementary School	22	1	0
Crooked Creek Elementary School	14	2	0
Eastwood Middle School	14	0	0
Fox Hill Elementary School	12	0	0
Greenbriar Elementary School	16	0	0
Hilltop School	11	0	0
John Strange Elementary School	22	3	0
Nora Elementary School	10	1	0
North Central High School	34	0	0
Northview Middle School	20	0	0
Spring Mill Elementary School	13	0	0
Westlane Middle School	9	1	0
MSD WAYNE TOWNSHIP			
Ben Davis High School	107	1	Problematic Fixture(s) Disconnected
Ben Davis Ninth Grade Center	25	0	0
Ben Davis University High School	71	0	0
Bridgeport Elementary School	35	4	Problematic Fixture(s) Disconnected
Chapel Glen Elementary School	33	2	Problematic Fixture(s) Disconnected
Chapel Hill 7th & 8th Grade Center	21	2	Problematic Fixture(s) Disconnected
Chapelwood Elementary School	38	1	Problematic Fixture(s) Disconnected
Garden City Elementary School	26	0	0

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Lynhurst 7th & 8th Grade Center	25	1	Problematic Fixture(s) Disconnected
Maplewood Elementary School	31	1	Problematic Fixture(s) Disconnected
McClelland Elementary School	30	1	Problematic Fixture(s) Disconnected
North Wayne Elementary School	44	8	Problematic Fixture(s) Disconnected
Rhoades Elementary School	25	0	0
Robey Elementary School	27	1	Problematic Fixture(s) Disconnected
Sanders School	22	0	0
Stout Field Elementary School	28	0	0
Wayne Preparatory Academy	2	0	0
Westlake Elementary School	38	1	Problematic Fixture(s) Disconnected
PERRY TOWNSHIP SCHOOLS			
Abraham Lincoln	35	0	0
Clinton Young Elementary	55	0	0
Douglas MacArthur Elementary School	37	1	0
Glenns Valley Elementary School	47	10	Problematic Fixture(s) Disconnected
Homecroft Elementary School	30	4	Problematic Fixture(s) Disconnected
James Whitcomb Riley Alt. Ed. Program	6	0	0
Jeremiah Gray Elementary School	48	3	0
Mary Bryan Elementary School	21	3	Problematic Fixture(s) Disconnected
Perry Meridian 6th Grade Academy	6	0	0
Perry Meridian High School	30	0	0
Perry Meridian Middle School	17	2	Problematic Fixture(s) Disconnected
Rosa Parks Elementary School	46	0	0
Southport 6th Grade Academy	28	1	0
Southport Elementary School	23	0	0
Southport High School	48	1	0
William Henry Burkhart Elementary	34	3	Problematic Fixture(s) Disconnected

Appendix Lead Sampling Summary Results by School

School Name	# of samples taken	# of elevated samples	Elevated samples after remediation
Winchester Village Elementary	21	0	0
TOWN OF SPEEDWAY SCHOOLS			
Arthur C Newby Elementary School 2	20	11	0
Carl G Fisher Elementary School 1	35	6	0
Frank H Wheeler Elementary School 4	33	5	0
James A Allison Elementary School 3	29	15	0
Speedway Senior High School	24	2	0
OTHER SCHOOLS			
Beech Grove Head Start	16	0	0
CAFE Head Start	18	0	0
Goodwin Center Head Start	7	0	0
Head Start – Oakmont	16	0	0
Head Start – 14th Street	17	1	0
Head Start – N. Meridian	22	0	0
IN School for the Blind & Visually Impaired	69	8	Problematic Fixture(s) Disconnected
Southeast Early Head Start	11	1	Problematic Fixture(s) Disconnected
Southeast Head Start	32	0	0
St. Peter Head Start	5	0	0
Windsor Village West Head Start	36	3	Problematic Fixture(s) Disconnected





For more information on the report, contact **Karla Johnson**, Administrator of the Healthy Homes, Environmental Consumer Management and Senior Care Department, or **Daniel Fries**, Environmental Supervisor, at **(317) 221-2155**.