



Lead Testing in Drinking Water

(For Compliance with Public Act 099-0922)

Site:

Colene Hoose Elementary School
600 Grandview Drive
Normal, IL 61761

Local Education Agency:

McLean County U.D. 5

Completion Date:

August 25, 2017



Scope of Service

On August 25, 2017, Ideal Environmental Engineering (IDEAL) performed water sampling at Colene Hoose Elementary School in Normal, IL. In accordance with Public Act 099-0922 (Act) and guidance provided by the Illinois Department of Public Health (IDPH), the school's sources of drinking water were tested to identify possible lead contamination. The water source locations were provided to IDEAL by the Local Education Agency (LEA).

Public Act 099-0922

Public Act 099-0922, was passed into law in January 2017. As it applies to schools, the purpose is to raise awareness and reduce children's exposure to lead in drinking water.

The Act requires schools to test for lead in all water sources used for cooking and drinking in schools built on or before January 1, 2000, where more than 10 pre-kindergarten through fifth grade children are present. The timeframe for compliance is by December 31, 2017, for buildings constructed prior to January 1, 1987, and by December 31, 2018, for those built between January 2, 1987, and January 1, 2000.

Water samples are required to be analyzed by a method approved by the Illinois Environmental Protection Agency (IEPA) that provides a minimum reporting limit of 2 parts per billion (ppb). Test results are to be submitted to IDPH, and the LEA is required to provide notification of the water testing results to parents and guardians. The Act appointed IDPH to provide guidance on mitigation actions and ongoing water management practices in schools. For more information on mitigation strategies, steps for implementing a Water Quality Management Plan (WQMP), and other lead in drinking water resources, go to www.dph.illinois.gov.

Reporting Requirements

The LEA is required to provide notification of the water testing results. In addition, when any test result exceeds 5 ppb, individual written or electronic notification is required to be sent to parents or legal guardians of all enrolled students. The following reporting requirements apply to buildings and water sources subject to the Act*.

- If all sample results are less than 5 ppb, schools may use their website (at minimum) to notify parents of the results.
- If any of the sample results exceed 5 ppb, schools must notify parents in writing or electronically, and include:
 - The location and source exceeding 5 ppb, and
 - The USEPA website for information about lead in drinking water:
www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water

*Even if buildings or water sources were tested that are not required by the Act, IDEAL recommends posting all results.



Methodology

Prior to sampling, in order to verify that the required 8-18 hour water stagnation period had been met, school personnel provided IDEAL's water collector with the date and time the plumbing system had last been used. The date and time provided are recorded on the chain of custody (COC).

For each water source identified by the LEA, a first-draw 250 milliliter (mL) sample of cold water was collected in a bottle provided by an IEPA-approved laboratory. A first-draw sample is the first amount of water collected from a source. After the first draw was collected, the source was flushed for 30 seconds, followed by the collection of a second-draw 250 mL sample of water. This second sample is called a flush sample. If multiple faucets use the same drain, only one second-draw (flush) sample may have been collected.

Each bottle was placed in a position that allowed for the collection of all of the water. Care was taken to prevent overflow. Each bottle was labeled with a unique identifier (sample ID). The sample ID was recorded on the COC, which lists the location of the sample, source of the sample, and the date and time the sample was collected.

The water bottles were delivered—with the COC to show the relinquishment and receipt of the samples—to an IEPA-accredited laboratory for analysis. The laboratory's accreditation was reviewed by IDEAL to ensure that it was current for an IEPA-approved method of analysis for lead in drinking water.

Summary of Sampling

A total of 104 water samples were collected from 52 sources. Of the 104 samples collected, the 24 samples shown in Table 1.1 were found to contain lead. Eight (8) of the samples show a level exceeding IDPH's notification limit of 5 ppb. Refer to Attachment A for specific notification requirements for Colene Hoose Elementary School.

Table 1.1

Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
HES-2	Kitchen 3 Compartment Sink Right	KS - Kitchen Sink	First Draw	14.8 ppb
HES-3	Kitchen 3 Compartment Sink Left	KS - Kitchen Sink	First Draw	2.34 ppb
HES-7	Kitchen Hand Sink #1	KS - Kitchen Sink	First Draw	5.92 ppb
HES-9	Kitchen Pot Filler	O - Other	First Draw	432 ppb
HEF-9	Kitchen Pot Filler	O - Other	Flush	4.32 ppb
HES-16	Room 15	S - Sink	First Draw	2.11 ppb
HES-23	IMC	S - Sink	First Draw	39.1 ppb
HES-26	Room 28	S - Sink	First Draw	2.75 ppb
HES-28	Room 29	S - Sink	First Draw	3.00 ppb
HEF-28	Room 29	S - Sink	Flush	3.29 ppb
HES-29	Room 30	S - Sink	First Draw	2.71 ppb
HES-30	Room 32	S - Sink	First Draw	9.25 ppb
HES-31	Room 31	S - Sink	First Draw	4.35 ppb
HES-32	Room 33	S - Sink	First Draw	116 ppb
HES-34	Hall by Room 34	DF - Drinking Fountain	First Draw	3.96 ppb



Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
HEF-34	Hall by Room 34	DF - Drinking Fountain	Flush	3.92 ppb
HES-36	Room 36	S - Sink	First Draw	3.55 ppb
HES-41	Room 43	S - Sink	First Draw	2.91 ppb
HES-42	Room 42	S - Sink	First Draw	3.88 ppb
HES-43	Room 44	S - Sink	First Draw	4.30 ppb
HES-46	Room 46	S - Sink	First Draw	2.45 ppb
HES-48	Room 48	S - Sink	First Draw	3.91 ppb
HES-49	Room 50	S - Sink	First Draw	7.20 ppb
HES-50	Room 52	S - Sink	First Draw	6.52 ppb

(Refer to Attachment C for the complete analysis report, including chain of custody and laboratory accreditation.)

Mitigation & Water Quality Management Recommendations

IDPH requires mitigation for plumbing fixtures identified with any level of lead. They recommend that a fixture be removed from service immediately upon learning that it has tested positive for lead. Once fixtures have been addressed, re-testing is required. Mitigation should continue until subsequent testing indicates no lead is present.

Regardless of lead results, schools are to develop and maintain a Water Quality Management Plan (WQMP). An effective WQMP can help mitigate the potential for negative water quality issues now and in the future.

Refer to IDPH's website for mitigation strategies and steps to an effective WQMP:

www.dph.illinois.gov/sites/default/files/publications/school-lead-mitigation-strategies-050917.pdf.

The scope of work presented in this report was based on an understanding between IDEAL and client, whether the understanding was from verbal conversation or written document(s). The scope of work and report shall be deemed accepted by client unless client advises to the contrary in writing within 10 days of the receipt of this report.

Please call our office at (800)535-0964 or (309)828-4259 if you have any questions, or if we can be of further assistance with your mitigation, water management plan, or with other environmental services such as asbestos, indoor air quality or bleacher inspections. Thank you for giving us the opportunity to provide this service to you. We sincerely appreciate the trust and confidence you have in our services.

Ann M. Skeate, Engineering Manager



Reporting Requirements for Colene Hoose Elementary School:

The following reporting requirements apply to buildings and water sources subject to the Act. It is the responsibility of the LEA to determine which building's results are required to be reported to parents and guardians. However, IDEAL recommends that all results be posted.

The LEA is required to provide notification of the water testing results. Some sample results exceed the IDPH notification level of 5 ppb. All results exceeding 5 ppb have specific notification requirements as provided below. The entire results can be posted on the school's website, or can be provided in writing or electronically to the parents or legal guardians of all enrolled students. However, for any result exceeding 5 ppb, individual written or electronic notification is required to be sent to parents or legal guardians of all enrolled students, and must include:

- The location and source exceeding 5 ppb, and
- The USEPA website for information about lead in drinking water:
www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water

For your convenience, refer to Attachment B for a sample notification letter for results exceeding 5 ppb.



Sample Notification Letter

<DATE>

Re: Colene Hoose Elementary School – Lead in Drinking Water Notification

On August 25, 2017, testing for lead in drinking water was done in compliance with Illinois Public Act 099-0922 (Act) and guidance provided by the Illinois Department of Public Health (IDPH). Per the Act's requirements, the following is notification for sample results found to contain lead levels exceeding 5 parts per billion (ppb):

Sample Location Description	Fixture Type	Concentration
Kitchen 3 Compartment Sink Right	KS - Kitchen Sink	14.8 ppb
Kitchen Hand Sink #1	KS - Kitchen Sink	5.92 ppb
Kitchen Pot Filler	O - Other	432 ppb
IMC	S - Sink	39.1 ppb
Room 32	S - Sink	9.25 ppb
Room 33	S - Sink	116 ppb
Room 50	S - Sink	7.20 ppb
Room 52	S - Sink	6.52 ppb

For information about lead in drinking water, visit the USEPA website at: www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water.

The health and safety of our students and staff is our highest priority. Please be assured that we will continue take all action necessary to protect student health. Mitigation and water management are in progress.

The full results of the water testing are available at <(website, link, etc)>.

Sincerely,

<School Personnel>

SUBURBAN LABORATORIES, Inc.



1950 S. Batavia Ave., Suite 150 Geneva, Illinois 60134
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Fax (708) 544-8587
www.suburbanlabs.com

September 01, 2017

Janelle Weber
Ideal Environmental Engineering, Inc
2904 Tractor Lane
Bloomington, IL 61704

Workorder: 1708N03

TEL: (309) 828-4259

FAX:

RE: Colene Hoose Elementary Drinking Water Lead Analysis

Dear Janelle Weber:

Suburban Laboratories, Inc. received 104 sample(s) on 8/25/2017 for the analyses presented in the following report.

All data for the associated quality control (QC) met EPA, method, or internal laboratory specifications except where noted in the case narrative. If you are comparing these results to external QC specifications or compliance limits and have any questions, please contact us.

This final report of laboratory analysis consists of this cover letter, case narrative, analytical report, dates report, and any accompanying documentation including, but not limited to, chain of custody records, raw data, and letters of explanation or reliance. This report may not be reproduced, except in full, without the prior written approval of Suburban Laboratories, Inc.

If you have any questions regarding these test results, please call me at (708) 544-3260.

Sincerely,

Candy Rasmussen

(708) 544-3260 ext 235
candy@suburbanlabs.com





Suburban Laboratories, Inc.

1950 S. Batavia Ave., Suite 150, Geneva, IL 60134 (708) 544-3260

Case Narrative

Client: Ideal Environmental Engineering, Inc
Project: Colene Hoose Elementary Drinking Water Lead
WorkOrder: 1708N03
Temperature of samples upon receipt at SLI: C

Date: September 01, 2017
PO #:
QC Level:
Chain of Custody #:

General Comments:

- All results reported in wet weight unless otherwise indicated. (dry = Dry Weight)
- Sample results relate only to the analytes of interest tested and to sample as received by the laboratory.
- Environmental compliance sample results meet the requirements of 35 IAC Part 186 unless otherwise indicated.
- Waste water analysis follows the rules set forth in 40 CFR part 136 except where otherwise noted.
- Accreditation by the State of Illinois is not an endorsement or a guarantee of the validity of data generated.
- For more information about the laboratories' scope of accreditation, please contact us at (708) 544-3260 or the Agency at (217) 782-6455.
- All radiological results are reported to the 95% confidence level.

Abbreviations:

- Reporting Limit: The concentration at which an analyte can be routinely detected on a day to day basis, and which also meets regulatory and client needs.
- Quantitation Limit: The lowest concentration at which results can be accurately quantitated.
- J: The analyte was positively identified above our Method Detection Limit and is considered detectable and usable; however, the associated numerical value is the approximate concentration of the analyte in the sample.
- ATC: Automatic Temperature Correction. - TNTC: Too Numerous To Count
- TIC: Tentatively Identified Compound (GCMS library search identification, concentration estimated to nearest internal standard).
- SS (Surrogate Standard): Quality control compound added to the sample by the lab.

Method References:

For a complete list of method references please contact us.

- E: USEPA Reference methods
- SW: USEPA, Test Methods for Evaluating Solid Waste (SW-846)
- M: Standard Methods for the Examination of Water and Wastewater
- USP: Latest version of United States Pharmacopeia

Workorder Specific Comments:

1708N03-001A-104A was preserved in the lab.

SUBURBAN LABORATORIES, Inc.



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Client ID: Ideal Environmental Engineering, Inc
 Project Name: Colene Hoose Elementary Drinking Water Lead Analysis

Report Date: September 01, 2017
 Workorder: 1708N03

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1708N03-001A	III:S-1~Kitchen Hand Sink #3~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-002A	III:F-1~Kitchen Hand Sink #3~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-003A	III:S-2~Kitchen 3 Compartment Sink Right ~First Draw	14.8	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-004A	HEF-2~Kitchen 3 Compartment Sink Right ~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-005A	III:S-3~Kitchen 3 Compartment Sink Left~First Draw	2.34	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-006A	HEF-3~Kitchen 3 Compartment Sink Left~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-007A	III:S-4~Kitchen- Hose Sprayer~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-008A	HEF-4~Kitchen- Hose Sprayer~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-009A	III:S-5~Kitchen Hand Sink #2~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-010A	HEF-5~Kitchen Hand Sink #2~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-011A	III:S-6~Kitchen Double Compartment Sink~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-012A	HEF-6~Kitchen Double Compartment Sink~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-013A	HES-7~Kitchen Hand Sink #1~First Draw	5.92	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-014A	HEF-7~Kitchen Hand Sink #1~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-015A	HES-8~Kitchen Single Sink by Ovens~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-016A	III:F-8~Kitchen Single Sink by Ovens~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-017A	HES-9~Kitchen Pot Filler~First Draw	432	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-018A	III:F-9~Kitchen Pot Filler~Flush	4.32	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-019A	HES-10~Gym (South)~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-020A	HEF-10~Gym (South)~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-021A	HES-11~Room 12~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-022A	HEF-11~Room 12~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017

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

SUBURBAN LABORATORIES, Inc.



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Client ID: Ideal Environmental Engineering, Inc
 Project Name: Colene Hoose Elementary Drinking Water Lead Analysis

Report Date: September 01, 2017
 Workorder: 1708N03

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1708N03-023A	HES-12~Room 11~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-024A	HEF-12~Room 11~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-025A	HES-13~Room 13~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-026A	HEF-13~Room 13~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-027A	HES-14~Hall by Rooms 11/13~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-028A	HEF-14~Hall by Rooms 11/13~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-029A	HES-15~Room 14~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-030A	HEF-15~Room 14~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-031A	HES-16~Room 15~First Draw	2.11	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-032A	HEF-16~Room 15~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-033A	HES-17~Room 16~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-034A	HEF-17~Room 16~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-035A	HES-18~Room 17~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-036A	HEF-18~Room 17~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-037A	HES-19~Room 18~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-038A	HEF-19~Room 18~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-039A	HES-20~Room 19~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-040A	HEF-20~Room 19~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-041A	HES-21~Room 20~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-042A	HEF-21~Room 20~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-043A	HES-22~Room 21~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-044A	HEF-22~Room 21~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-045A	HES-23~IMC ~First Draw	39.1	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-046A	HEF-23~IMC ~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-047A	HES-24~Room 23~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-048A	HEF-24~Room 23~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-049A	HES-25~Hall by IMC~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-050A	HEF-25~Hall by IMC~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-051A	HES-26~Room 28~First Draw	2.75	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017

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Report Date: September 01, 2017
 Workorder: 1708N03

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1708N03-052A	HHS-26~Room 28~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-053A	HES-27~Hall by Room 28~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-054A	HEF-27~Hall by Room 28~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-055A	HHS-28~Room 29~First Draw	3.00	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-056A	HEF-28~Room 29~Flush	3.29	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-057A	HHS-29~Room 30~First Draw	2.71	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-058A	HHS-29~Room 30~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-059A	HES-30~Room 32~First Draw	9.25	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-060A	HHS-30~Room 32~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-061A	HES-31~Room 31~First Draw	4.35	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-062A	HEF-31~Room 31~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-063A	HHS-32~Room 33~First Draw	1.16	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-064A	HEF-32~Room 33~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-065A	HES-33~Room 34~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-066A	HEF-33~Room 34~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-067A	HES-34~Hall by Room 34~First Draw	3.96	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-068A	HEF-34~Hall by Room 34~Flush	3.92	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-069A	HES-35~Nurse's Office~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-070A	HHS-35~Nurse's Office~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-071A	HHS-36~Room 36~First Draw	3.55	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-072A	HEF-36~Room 36~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-073A	HES-37~Room 38~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-074A	HEF-37~Room 38~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-075A	HHS-38~North Gym~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-076A	HEF-38~North Gym~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-077A	HHS-39~Room 40~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-078A	HEF-39~Room 40~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-079A	HES-40~Hall by Room 40~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017

Page 5 of 9

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

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: Ideal Environmental Engineering, Inc
 Project Name: Colene Hoose Elementary Drinking Water Lead Analysis

Report Date: September 01, 2017
 Workorder: 1708N03

Analyte: Lead

Method: EPA 200.8

Matrix: Drinking Water

Sample ID	Client Sample ID	Result	MRL	Units	Date & Time Water System Last Used	Date Collected	Date Analyzed
1708N03-080A	HEF-40~Hall by Room 40~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-081A	HES-41~Room 43~First Draw	2.91	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-082A	HEF-41~Room 43~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-083A	HES-42~Room 42~First Draw	3.88	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-084A	HEF-42~Room 42~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-085A	HES-43~Room 44~First Draw	4.30	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-086A	HEF-43~Room 44~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-087A	HES-44~Hall by Room 44~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-088A	HEF-44~Hall by Room 44~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-089A	HES-45~Room 45~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-090A	HEF-45~Room 45~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-091A	HES-46~Room 46~First Draw	2.45	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-092A	HEF-46~Room 46~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-093A	HES-47~Room 47~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-094A	HEF-47~Room 47~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-095A	HES-48~Room 48~First Draw	3.91	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-096A	HEF-48~Room 48~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-097A	HES-49~Room 50 ~First Draw	7.20	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-098A	HEF-49~Room 50 ~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-099A	HES-50~Room 52~First Draw	6.52	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-100A	HEF-50~Room 52~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-101A	HES-51~Hall by Room 52~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-102A	HEF-51~Hall by Room 52~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-103A	HES-52~Room 49~First Draw	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017
1708N03-104A	HEF-52~Room 49~Flush	ND	2.00	µg/L	8/24/2017 20:00	8/25/2017	8/31/2017

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

SUBURBAN LABORATORIES, Inc.		CHAIN OF CUSTODY RECORD		# Electronic Version	
Company Name: Ideal Environmental Engineering, Inc.		Fax: 708.544.8587 Toll Free: 800.783.LABS www.suburbanlabs.com			
Company Address: 4140 Litt Drive Hillside, IL 60162 Tel: 708.544.3260		TURNAROUND TIME REQUESTED		ANALYSIS & METHOD REQUESTED	
City: Bloomington State: IL Zip: 61704		☒ Normal ☐ RUSH* ☐ Additional Rush Charges Approved.		Enter an "X" in box below for request	
Phone: 309-828-4259 Fax: 309-828-5735		*Date & Time Needed:		Shipping Method	
Email Address: leadinwater@idealeenvironmental.com		Normal TAT is 5-7 work days for most work. Rush work must be pre-approved and additional charges apply.		QC Reporting Level ☐ 1 ☐ 2 ☐ 3	
Project ID / Location: #20060C-McLean Co. UD 5 - Colebrook House Elem.		Specify Regulatory Program: ☐ None/Info only (Required)		LAB USE ONLY	
Project Manager (Report to): Lead-In-Water		☐ LUST ☐ SRP ☐ SDWA ☐ 503 Sludge ☐ NPDES ☐ MWRDGC ☐ Disposal ☒ Other		Sample containers supplied by customer? ☐ Yes Temperature of Received Samples ☐ °C Samples received within 24 hours of collection? ☐ Yes	
Sample Collector(s): Ann Skeels, Mike Achter		*Please specify in comment section below.		R Condition ☐ Spill ☐ LAB #	
SAMPLE IDENTIFICATION *Use One Line Per Preservation & Container Type					
1	# of Samples Collected: 184	DATE: See ELog	TIME: See ELog	MATRIX: DW	PRESERVATIVE: None
2	Date Collected: 8/25/17			DW	None
3	See Elog for details			DW	None
4				DW	None
5				DW	None
6				DW	None
7				DW	None
8				DW	None
9				DW	None
10				DW	None
11				DW	None
12				DW	None
COMMENTS & SPECIAL INSTRUCTIONS: MATRICES: Drinking Water (DW), Soil (S), Wastewater (WW), Surface Water (SW), Ground Water (GW), Solid Waste (WA), Sludge (U), Waste (P) CONTAINERS: 2oz, 4oz, 8oz, 40ml Vial, 500ml, Liter (L), Tube, Glass (G), Plastic (P) PRESERVATIVES: H ₂ SO ₄ , HCl, HNO ₃ , Methanol (MeOH), NaOH, Sodium Acetate (NaAc), NaF, NaH ₂ PO ₄					
1. Requisitioned By: [Signature]		2. Requisitioned By: CO - PW		3. Requisitioned By: [Signature]	
Date: 8/25/17		Date: 8/25/17		Date: 8/28/17	
Time: []		Time: []		Time: 13:02	
Ice: ☐		Ice: ☐		Ice: ☐	
Submission of samples subject to Terms and Conditions on back. Please fill out this form completely, print, sign & submit with samples. Keep a copy for your records.					

1708N03

FIELD DATA FORM

School/Facility Name
Colene Hoose Elem. School
ISBE ID: (ex:01-001-0001-01-00001)
17-064-0050-26-2008

Address
600 Grandview Drive
Normal, IL 61761

Sample Collector Name(s)
Ann Skeate
Pete Alteri

Water system last used Date:

08/24/2017

Time: 8:00 p.m.

All samples must be collected in unpreserved

Bldg. ID	Bldg. Desc	Sample ID#	Sample Loc. Desc	Collection Date MMDDYYYY	Collection Time HH24MM	Fixture Type	Sample Type	Sample Vol.	Notes
0001	Main Building	01	1st Floor Classroom	02232017	800	O - Other	First Draw	250	Description if "Other" is selected
0001	Main Building	01A	1st Floor Classroom	02232017	800	S - Sink	Flush	250	
0001	Colene Hoose Elem	HFS-1	Kitchen Hand Sink #3	08/25/2017	4:00	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-1	Kitchen Hand Sink #3	08/25/2017	4:00	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-2	Kitchen 3 Compartment Sink Right	08/25/2017	4:01	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-2	Kitchen 3 Compartment Sink Right	08/25/2017	4:02	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-3	Kitchen 3 Compartment Sink Left	08/25/2017	4:02	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-3	Kitchen 3 Compartment Sink Left	08/25/2017	4:03	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-4	Kitchen- Hoose Sprayer	08/25/2017	4:03	O - Other	First Draw	250	Sprayer
0001	Colene Hoose Elem	HEF-4	Kitchen- Hoose Sprayer	08/25/2017	4:04	O - Other	Flush	250	Sprayer
0001	Colene Hoose Elem	HES-5	Kitchen Hand Sink #2	08/25/2017	4:05	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-5	Kitchen Hand Sink #2	08/25/2017	4:06	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-6	Kitchen Double Compartment Sink	08/25/2017	4:06	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-6	Kitchen Double Compartment Sink	08/25/2017	4:07	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-7	Kitchen Hand Sink #1	08/25/2017	4:07	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-7	Kitchen Hand Sink #1	08/25/2017	4:08	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-8	Kitchen Single Sink by Oven	08/25/2017	4:08	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-8	Kitchen Single Sink by Oven	08/25/2017	4:09	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-9	Kitchen Pot Filler	08/25/2017	4:11	O - Other	First Draw	250	Pot Filler
0001	Colene Hoose Elem	HEF-9	Kitchen Pot Filler	08/25/2017	4:12	O - Other	Flush	250	Pot Filler
0001	Colene Hoose Elem	HES-10	Gym (South)	08/25/2017	4:12	O - Other	First Draw	250	Fountain
0001	Colene Hoose Elem	HEF-10	Gym (South)	08/25/2017	4:13	O - Other	Flush	250	Fountain
0001	Colene Hoose Elem	HES-11	Room 12	08/25/2017	4:17	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-11	Room 12	08/25/2017	4:17	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-12	Room 11	08/25/2017	4:18	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-12	Room 11	08/25/2017	4:19	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-13	Room 13	08/25/2017	4:19	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-13	Room 13	08/25/2017	4:20	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-14	Hall by Rooms 11/13	08/25/2017	4:20	O - Other	First Draw	250	Fountain
0001	Colene Hoose Elem	HEF-14	Hall by Rooms 11/13	08/25/2017	4:21	O - Other	Flush	250	Fountain
0001	Colene Hoose Elem	HES-15	Room 14	08/25/2017	4:22	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-15	Room 14	08/25/2017	4:23	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-16	Room 15	08/25/2017	4:24	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-16	Room 15	08/25/2017	4:25	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-17	Room 16	08/25/2017	4:25	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-17	Room 16	08/25/2017	4:26	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-18	Room 17	08/25/2017	4:27	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-18	Room 17	08/25/2017	4:28	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-19	Room 18	08/25/2017	4:28	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-19	Room 18	08/25/2017	4:29	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-20	Room 19	08/25/2017	4:29	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-20	Room 19	08/25/2017	4:30	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-21	Room 20	08/25/2017	4:30	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-21	Room 20	08/25/2017	4:31	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-22	Room 21	08/25/2017	4:32	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-22	Room 21	08/25/2017	4:33	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-23	IMC	08/25/2017	4:33	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-23	IMC	08/25/2017	4:34	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-24	Room 23	08/25/2017	4:35	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-24	Room 23	08/25/2017	4:35	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-25	Hall by IMC	08/25/2017	4:36	O - Other	First Draw	250	Fountain
0001	Colene Hoose Elem	HEF-25	Hall by IMC	08/25/2017	4:36	O - Other	Flush	250	Fountain
0001	Colene Hoose Elem	HES-26	Room 28	08/25/2017	4:38	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-26	Room 28	08/25/2017	4:39	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-27	Hall by Room 28	08/25/2017	4:39	O - Other	First Draw	250	Fountain
0001	Colene Hoose Elem	HEF-27	Hall by Room 28	08/25/2017	4:40	O - Other	Flush	250	Fountain
0001	Colene Hoose Elem	HES-28	Room 29	08/25/2017	4:41	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-28	Room 29	08/25/2017	4:42	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-29	Room 30	08/25/2017	4:43	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-29	Room 30	08/25/2017	4:44	S - Sink	Flush	250	
0001	Colene Hoose Elem	HES-30	Room 32	08/25/2017	4:45	S - Sink	First Draw	250	
0001	Colene Hoose Elem	HEF-30	Room 32	08/25/2017	4:45	S - Sink	Flush	250	

ATTACHMENT C

61	0001	Colene Hoose Elem	HES-31	Room 31	08/25/2017	4:45	S - Sink	First Draw	250	
62	0001	Colene Hoose Elem	HEF-31	Room 31	08/25/2017	4:46	S - Sink	Flush	250	
63	0001	Colene Hoose Elem	HES-32	Room 33	08/25/2017	4:46	S - Sink	First Draw	250	
64	0001	Colene Hoose Elem	HEF-32	Room 33	08/25/2017	4:47	S - Sink	Flush	250	
65	0001	Colene Hoose Elem	HES-33	Room 34	08/25/2017	4:47	S - Sink	First Draw	250	
66	0001	Colene Hoose Elem	HEF-33	Room 34	08/25/2017	4:48	S - Sink	Flush	250	
67	0001	Colene Hoose Elem	HES-34	Hall by Room 34	08/25/2017	4:49	O - Other	First Draw	250	Fountain
68	0001	Colene Hoose Elem	HEF-34	Hall by Room 34	08/25/2017	4:49	O - Other	Flush	250	Fountain
69	0001	Colene Hoose Elem	HES-35	Nurse's Office	08/25/2017	4:51	S - Sink	First Draw	250	
70	0001	Colene Hoose Elem	HEF-35	Nurse's Office	08/25/2017	4:52	S - Sink	Flush	250	
71	0001	Colene Hoose Elem	HES-36	Room 36	08/25/2017	4:52	S - Sink	First Draw	250	
72	0001	Colene Hoose Elem	HEF-36	Room 36	08/25/2017	4:53	S - Sink	Flush	250	
73	0001	Colene Hoose Elem	HES-37	Room 38	08/25/2017	4:53	S - Sink	First Draw	250	
74	0001	Colene Hoose Elem	HEF-37	Room 38	08/25/2017	4:54	S - Sink	Flush	250	
75	0001	Colene Hoose Elem	HES-38	North Gym	08/25/2017	4:55	O - Other	First Draw	250	Fountain
76	0001	Colene Hoose Elem	HEF-38	North Gym	08/25/2017	4:56	O - Other	Flush	250	Fountain
77	0001	Colene Hoose Elem	HES-39	Room 40	08/25/2017	4:56	S - Sink	First Draw	250	
78	0001	Colene Hoose Elem	HEF-39	Room 40	08/25/2017	4:57	S - Sink	Flush	250	
79	0001	Colene Hoose Elem	HES-40	Hall by Room 40	08/25/2017	4:57	O - Other	First Draw	250	Fountain
80	0001	Colene Hoose Elem	HEF-40	Hall by Room 40	08/25/2017	4:58	O - Other	Flush	250	Fountain
81	0001	Colene Hoose Elem	HES-41	Room 43	08/25/2017	5:00	S - Sink	First Draw	250	
82	0001	Colene Hoose Elem	HEF-41	Room 43	08/25/2017	5:00	S - Sink	Flush	250	
83	0001	Colene Hoose Elem	HES-42	Room 42	08/25/2017	5:01	S - Sink	First Draw	250	
84	0001	Colene Hoose Elem	HEF-42	Room 42	08/25/2017	5:03	S - Sink	Flush	250	
85	0001	Colene Hoose Elem	HES-43	Room 44	08/25/2017	5:02	S - Sink	First Draw	250	
86	0001	Colene Hoose Elem	HEF-43	Room 44	08/25/2017	5:03	S - Sink	Flush	250	
87	0001	Colene Hoose Elem	HES-44	Hall by Room 44	08/25/2017	5:03	O - Other	First Draw	250	Fountain
88	0001	Colene Hoose Elem	HEF-44	Hall by Room 44	08/25/2017	5:04	O - Other	Flush	250	Fountain
89	0001	Colene Hoose Elem	HES-45	Room 45	08/25/2017	5:05	S - Sink	First Draw	250	
90	0001	Colene Hoose Elem	HEF-45	Room 45	08/25/2017	5:06	S - Sink	Flush	250	
91	0001	Colene Hoose Elem	HES-46	Room 46	08/25/2017	5:06	S - Sink	First Draw	250	
92	0001	Colene Hoose Elem	HEF-46	Room 46	08/25/2017	5:07	S - Sink	Flush	250	
93	0001	Colene Hoose Elem	HES-47	Room 47	08/25/2017	5:07	S - Sink	First Draw	250	
94	0001	Colene Hoose Elem	HEF-47	Room 47	08/25/2017	5:08	S - Sink	Flush	250	
95	0001	Colene Hoose Elem	HES-48	Room 48	08/25/2017	5:09	S - Sink	First Draw	250	
96	0001	Colene Hoose Elem	HEF-48	Room 48	08/25/2017	5:09	S - Sink	Flush	250	
97	0001	Colene Hoose Elem	HES-49	Room 50	08/25/2017	5:10	S - Sink	First Draw	250	
98	0001	Colene Hoose Elem	HEF-49	Room 50	08/25/2017	5:10	S - Sink	Flush	250	
99	0001	Colene Hoose Elem	HES-50	Room 52	08/25/2017	5:12	S - Sink	First Draw	250	
100	0001	Colene Hoose Elem	HEF-50	Room 52	08/25/2017	5:12	S - Sink	Flush	250	
101	0001	Colene Hoose Elem	HES-51	Hall by Room 52	08/25/2017	5:13	O - Other	First Draw	250	Fountain
102	0001	Colene Hoose Elem	HEF-51	Hall by Room 52	08/25/2017	5:14	O - Other	Flush	250	Fountain
103	0001	Colene Hoose Elem	HES-52	Room 49	08/25/2017	5:14	S - Sink	First Draw	250	
104	0001	Colene Hoose Elem	HEF-52	Room 49	08/25/2017	5:15	S - Sink	Flush	250	
105										
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STATE OF ILLINOIS
ENVIRONMENTAL PROTECTION AGENCY
NELAP - RECOGNIZED
ENVIRONMENTAL LABORATORY ACCREDITATION



is hereby granted to

SUBURBAN LABORATORIES, INC.
1950 SOUTH BATAVIA AVE., SUITE 150
GENEVA, IL 60134

NELAP ACCREDITED
ACCREDITATION NUMBER #100225



According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

Celeste M. Crowley
Acting Manager
Environmental Laboratory Accreditation Program

John South
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.: 004120
Expiration Date: 10/31/2017
Issued On: 04/05/2017

**State of Illinois
Environmental Protection Agency**

Certificate No.: 004120

Awards the Certificate of Approval to:

Suburban Laboratories, Inc.
1950 South Batavia Ave., Suite 150
Geneva, IL 60134

According to the Illinois Administrative Code, Title 35, Subtitle A, Chapter II, Part 186, ACCREDITATION OF LABORATORIES FOR DRINKING WATER, WASTEWATER AND HAZARDOUS WASTES ANALYSIS, the State of Illinois formally recognizes that this laboratory is technically competent to perform the environmental analyses listed on the scope of accreditation detailed below.

The laboratory agrees to perform all analyses listed on this scope of accreditation according to the Part 186 requirements and acknowledges that continued accreditation is dependent on successful ongoing compliance with the applicable requirements of Part 186. Please contact the Illinois EPA Environmental Laboratory Accreditation Program (IL ELAP) to verify the laboratory's scope of accreditation and accreditation status. Accreditation by the State of Illinois is not an endorsement or a guarantee of validity of the data generated by the laboratory.

FOT Name: Drinking Water, Inorganic

Method: ASTM D516-90

Matrix Type: Potable Water

Sulfate

Method: SM2320B,21Ed

Matrix Type: Potable Water

Alkalinity

Method: SM2510B,18Ed

Matrix Type: Potable Water

Conductivity

Method: SM2540C,18Ed

Matrix Type: Potable Water

Total dissolved solids

Method: SM4500Cl-G,18Ed

Matrix Type: Potable Water

Chlorine (free,combined,total)

Method: SM4500CN-E,18Ed

Matrix Type: Potable Water

Cyanide

Method: SM4500F-C,18Ed

Matrix Type: Potable Water

Fluoride

Method: SM4500H-B,21Ed

Matrix Type: Potable Water

Hydrogen Ion (pH)

Method: SM4500NO2-B,21Ed

Matrix Type: Potable Water

Nitrite

Method: SM4500P-E,18Ed

Matrix Type: Potable Water

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FOT Name: Drinking Water, Inorganic

Method: SM4500P-E,18Ed

Matrix Type: Potable Water

Orthophosphate

Method: SM5310B,19Ed

Matrix Type: Potable Water

Total Organic Carbon (TOC)

Method: USEPA200.7R4.4

Matrix Type: Potable Water

Barium

Calcium

Chromium

Copper

Hardness (calc.)

Iron

Manganese

Nickel

Silica

Sodium

Zinc

Method: USEPA200.8R5.4

Matrix Type: Potable Water

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Chromium

Copper

Lead

Manganese

Mercury

Molybdenum

Nickel

Selenium

Silver

Thallium

Zinc

Method: USEPA245.1R3.0

Matrix Type: Potable Water

Mercury

Method: USEPA335.4R1.0

Matrix Type: Potable Water

Cyanide

Method: USEPA353.2R2.0

Matrix Type: Potable Water

Nitrate

FOT Name: Drinking Water, Organic

Method: USEPA504.1R1.1

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FOT Name: Drinking Water, Organic

Method: USEPA504.1R1.1

Matrix Type: Potable Water

1,2-Dibromo-3-chloropropane (DBCP)

1,2-Dibromoethane (EDB)

Method: USEPA505R2.1

Matrix Type: Potable Water

Aldrin

Chlordane total

Dieldrin

Endrin

gamma-BHC (Lindane)

Heptachlor

Heptachlor epoxide

Hexachlorobenzene

Hexachlorocyclopentadiene

Methoxychlor

PCB as Aroclor

Toxaphene

Method: USEPA515.4R1.0

Matrix Type: Potable Water

2,4,5-TP (Silvex)

2,4-D

Dalapon

Dinoseb

Pentachlorophenol

Picloram

Method: USEPA524.2R4.1

Matrix Type: Potable Water

1,1,1-Trichloroethane

1,1,2-Trichloroethane

1,1-Dichloroethene

1,2,4-Trichlorobenzene

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

1,4-Dichlorobenzene

Benzene

Bromodichloromethane

Bromoform

Bromomethane

Carbon tetrachloride

Chlorobenzene

Chlorodibromomethane

Chloroform

cis-1,2-Dichloroethene

Dichloromethane (Methylene chloride)

Ethylbenzene

Methyl tert-butyl ether (MTBE)

Styrene

Tetrachloroethene

Toluene

Total trihalomethanes

trans-1,2-Dichloroethene

Trichloroethylene

Vinyl chloride

Xylenes (total)

Method: USEPA525.2R2.0

Matrix Type: Potable Water

4,4'-DDT

Alachlor

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FOT Name: Drinking Water, Organic

Method: USEPA525.2R2.0

Matrix Type: Potable Water

Benzo(a)pyrene
DI (2-ethylhexyl) adipate
Metolachlor
Propachlor

Atrazine
Butachlor
DI (2-ethylhexyl) phthalate
Metribuzin
Simazine

Method: USEPA531.1R3.1

Matrix Type: Potable Water

3-Hydroxycarbofuran
Aldicarb sulfone
Carbaryl (Sevin)
Methomyl (Lannate)

Aldicarb (Temik)
Aldicarb sulfoxide
Carbofuran (Furaden)
Oxamyl

Method: USEPA552.3

Matrix Type: Potable Water

Dibromoacetic acid
Monobromoacetic acid
Trichloroacetic acid

Dichloroacetic acid
Monochloroacetic acid

FOT Name: Non Potable Water, Inorganic

Method: Hach 8000

Matrix Type: NPW/SCM

Chemical Oxygen Demand (COD)

Method: SM2320B,1997

Matrix Type: NPW/SCM

Alkalinity

Method: SM2510B,1997

Matrix Type: NPW/SCM

Specific conductance

Method: SM2540C,1997

Matrix Type: NPW/SCM

Residue (TDS)

Method: SM2540D,1997

Matrix Type: NPW/SCM

Residue (TSS)

Method: SM2540F,1997

Matrix Type: NPW/SCM

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FOT Name: Non Potable Water, Inorganic

Method: SM2540F,1997

Matrix Type: NPW/SCM

Residue (settleable)

Method: SM3500Cr-B,2009

Matrix Type: NPW/SCM

Chromium VI

Method: SM4500CL⁻-E,1997

Matrix Type: NPW/SCM

Chloride

Method: SM4500Cl-G,2000

Matrix Type: NPW/SCM

Chlorine, Total Residual

Method: SM4500CN-E,1999

Matrix Type: NPW/SCM

Cyanide

Method: SM4500CN-G,1999

Matrix Type: NPW/SCM

Cyanide, Available

Method: SM4500F-C,1997

Matrix Type: NPW/SCM

Fluoride

Method: SM4500H-B,2000

Matrix Type: NPW/SCM

Hydrogen Ion (pH)

Method: SM4500NH3-D,1997

Matrix Type: NPW/SCM

Ammonia

Method: SM4500NH3-G,1997

Matrix Type: NPW

Ammonia

Method: SM4500Norg-D,1997

Matrix Type: NPW/SCM

Total Kjeldahl Nitrogen

Method: SM4500P-E,1999

Matrix Type: NPW/SCM

Orthophosphate (as P)

Phosphorus

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FOT Name: Non Potable Water, Inorganic

Method: SM5210B,2001

Matrix Type: NPW/SCM

Biochemical oxygen demand (BOD)

Carbonaceous Biochemical Oxygen Demand (CBOD)

Method: SM5310B,2000

Matrix Type: NPW/SCM

Total Organic Carbon (TOC)

Method: SM5540C,2000

Matrix Type: NPW/SCM

Surfactants

Method: USEPA1664A

Matrix Type: NPW/SCM

Oil and Grease

Method: USEPA200.7,1994

Matrix Type: NPW/SCM

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium

Silver

Sodium

Thallium

Titanium

Vanadium

Zinc

Method: USEPA200.8,1994

Matrix Type: NPW/SCM

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Chromium

Copper

Iron

Lead

Manganese

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FOT Name: Non Potable Water, Inorganic

Method: USEPA200.8,1994

Matrix Type: NPW/SCM

Nickel

Silver

Tin

Zinc

Molybdenum

Selenium

Thallium

Vanadium

Method: USEPA245.1R3.0,1994

Matrix Type: NPW/SCM

Mercury

Method: USEPA335.4R1.0,1993

Matrix Type: NPW/SCM

Cyanide

Method: USEPA353.2R2.0,1993

Matrix Type: NPW/SCM

Nitrate

Nitrate-nitrite (as N)

Method: USEPA420.1,1978

Matrix Type: NPW/SCM

Phenolics

FOT Name: Non Potable Water, Organic

Method: USEPA608

Matrix Type: NPW/SCM

4,4'-DDD

4,4'-DDT

alpha-BHC

Chlordane

Dieldrin

Endosulfan II

Endrin

gamma-BHC (Lindane)

Heptachlor epoxide

PCB-1016

PCB-1232

PCB-1248

PCB-1260

4,4'-DDE

Aldrin

beta-BHC

delta-BHC

Endosulfan I

Endosulfan sulfate

Endrin aldehyde

Heptachlor

Methoxychlor

PCB-1221

PCB-1242

PCB-1254

Toxaphene

Method: USEPA624

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FOT Name: Non Potable Water, Organic

Method: USEPA624

Matrix Type: NPW/SCM

1,1,1-Trichloroethane	1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane	1,1-Dichloroethane
1,1-Dichloroethene	1,2-Dichlorobenzene
1,2-Dichloroethane	1,2-Dichloropropane
1,3-Dichlorobenzene	1,4-Dichlorobenzene
2-Chloroethylvinyl ether	Acrolein (Propenal)
Acrylonitrile	Benzene
Bromodichloromethane	Bromoform
Bromomethane	Carbon tetrachloride
Chlorobenzene	Chloroethane
Chloroform	Chloromethane
cis-1,3-Dichloropropene	Dibromochloromethane
Dichloromethane (Methylene chloride)	Ethylbenzene
Methyl tert-butyl ether (MTBE)	Tetrachloroethene
Toluene	trans-1,2-Dichloroethene
trans-1,3-Dichloropropene	Trichloroethene
Trichlorofluoromethane	Vinyl chloride
Xylenes (total)	

Method: USEPA625

Matrix Type: NPW

Nitrobenzene

Matrix Type: NPW/SCM

1,2,4-Trichlorobenzene	1,2-Dichlorobenzene
1,3-Dichlorobenzene	1,4-Dichlorobenzene
2,4,5-Trichlorophenol	2,4,6-Trichlorophenol
2,4-Dichlorophenol	2,4-Dimethylphenol
2,4-Dinitrophenol	2,4-Dinitrotoluene (2,4-DNT)
2,6-Dinitrotoluene (2,6-DNT)	2-Chloronaphthalene
2-Chlorophenol	2-Methyl-4,6-dinitrophenol
2-Nitrophenol	3,3'-Dichlorobenzidine
4-Bromophenyl phenyl ether	4-Chloro-3-methylphenol
4-Chlorophenyl phenyl ether	4-Nitrophenol
Acenaphthene	Acenaphthylene
Anthracene	Benzidine

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FOT Name: Non Potable Water, Organic

Method: USEPA625

Matrix Type: NPW/SCM

Benzo(a)pyrene
Benzo(g,h,i)perylene
Benzyl butyl phthalate
Bis(2-chloroethyl) ether
Chrysene
Diethyl phthalate
DI-n-butyl phthalate
Fluoranthene
Hexachlorobenzene
Hexachlorocyclopentadiene
Indeno(1,2,3-cd) pyrene
Naphthalene
N-Nitrosodi-n-propylamine
Pentachlorophenol
Phenol

Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Bis(2-chloroethoxy) methane
Bis(2-ethylhexyl) phthalate
Dibenz(a,h)anthracene
Dimethyl phthalate
DI-n-octyl phthalate
Fluorene
Hexachlorobutadiene
Hexachloroethane
Isophorone
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
Phenanthrene
Pyrene

FOT Name: Solid and Chemical Materials, Inorganic

Method: 1311

Matrix Type: NPW/SCM

TCLP (Organic and Inorganic)

Method: 1312

Matrix Type: NPW/SCM

Synthetic Precipitation Leaching Procedure

Method: 6010B

Matrix Type: NPW/SCM

Aluminum
Arsenic
Beryllium
Calcium
Cobalt
Iron
Magnesium
Molybdenum
Potassium

Antimony
Barium
Cadmium
Chromium
Copper
Lead
Manganese
Nickel
Selenium

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FOT Name: Solid and Chemical Materials, Inorganic

Method: 6010B

Matrix Type: NPW/SCM

Sodium
Vanadium

Silver
Thallium
Zinc

Method: 6020A

Matrix Type: NPW/SCM

Aluminum
Arsenic
Beryllium
Cadmium
Cobalt
Iron
Manganese
Nickel
Silver
Vanadium

Antimony
Barium
Boron
Chromium
Copper
Lead
Molybdenum
Selenium
Thallium
Zinc

Method: 7470A

Matrix Type: NPW/SCM

Mercury

Method: 7471B

Matrix Type: NPW/SCM

Mercury

Method: 9045C

Matrix Type: NPW/SCM

Hydrogen ion (pH)

FOT Name: Solid and Chemical Materials, Organic

Method: 8081A

Matrix Type: NPW/SCM

4,4'-DDD
4,4'-DDT
alpha-BHC
beta-BHC
delta-BHC
Endosulfan I
Endosulfan sulfate

4,4'-DDE
Aldrin
alpha-Chlordane
Chlordane - not otherwise specified
Dieldrin
Endosulfan II
Endrin

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FOT Name: Solid and Chemical Materials, Organic

Method: 8081A

Matrix Type: NPW/SCM

Endrin ketone
gamma-Chlordane
Heptachlor epoxide
Toxaphene

Endrin aldehyde
gamma-BHC (Lindane)
Heptachlor
Methoxychlor

Method: 8082

Matrix Type: NPW/SCM

PCB-1016
PCB-1232
PCB-1248
PCB-1260

PCB-1221
PCB-1242
PCB-1254

Method: 8151A

Matrix Type: NPW/SCM

2,4,5-TP (Silvex)

2,4-D

Method: 8260B

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
1,1-Dichloroethane
1,1-Dichloropropene
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,2-Dibromoethane (EDB)
1,2-Dichloroethane
1,3,5-Trimethylbenzene
1,3-Dichloropropane
1,4-Dioxane
2-Butanone (Methyl ethyl ketone, MEK)
2-Chlorotoluene
4-Chlorotoluene
Acetone
Acrylonitrile
Benzene
Bromochloromethane

1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dichlorobenzene
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,2-Dichloropropane
2-Chloroethyl vinyl ether
2-Hexanone
4-Methyl-2-pentanone (Methyl Isobutyl ketone, MIBK)
Acrolein (Propenal)
Allyl chloride
Bromobenzene
Bromodichloromethane

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FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

Matrix Type: NPW/SCM

Bromomethane
Carbon tetrachloride
Chlorodibromomethane (Dibromochloromethane)
Chloroform
cis-1,2-Dichloroethene
Dibromomethane
Dichloromethane (Methylene chloride)
Ethylbenzene
Hexachloroethane
Methacrylonitrile
Methyl ethyl ketone
Methyl methacrylate
m-Xylene
n-Butylbenzene
o-Xylene
p-Xylene
Styrene
Tetrachloroethene
trans-1,2-Dichloroethene
Trichloroethene
Vinyl acetate
Xylenes (Total)

Bromoform
Carbon disulfide
Chlorobenzene
Chloroethane
Chloromethane
cis-1,3-Dichloropropene
Dichlorodifluoromethane
Ethyl methacrylate
Hexachlorobutadiene
Isopropylbenzene
Methyl acrylate
Methyl iodide (Iodmethane)
Methyl-t-butyl ether
Naphthalene
n-Propylbenzene
p-Isopropyltoluene
sec-Butylbenzene
tert-Butylbenzene
Toluene
trans-1,3-Dichloropropene
Trichlorofluoromethane
Vinyl chloride

Method: 8270C

Matrix Type: NPW/SCM

1,2,4-Trichlorobenzene
1,3-Dichlorobenzene
2,2-Oxybis (1-chloropropane)
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)
2-Chloronaphthalene
2-Methylnaphthalene
2-Nitrophenol
3-Nitroaniline

1,2-Dichlorobenzene
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Nitroaniline
3,3'-Dichlorobenzidine
4,6-Dinitro-2-methylphenol

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW/SCM

4-Chloro-3-methylphenol
4-Chlorophenyl phenyl ether
4-Nitrophenol
Acenaphthylene
Benzidine
Benzo(a)pyrene
Benzo(g,h,i)perylene
Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-ethylhexyl) phthalate
Carbazole
Di-benz(a,h)anthracene
Diethyl phthalate
Di-n-butyl phthalate
Fluoranthene
Hexachlorobenzene
Hexachlorocyclopentadiene
Indeno(1,2,3-cd) pyrene
m-Cresol (3-Methylphenol)
Nitrobenzene
N-Nitrosodi-n-propylamine
o-Cresol (2-Methylphenol)
Pentachlorophenol
Phenol
Pyridine

4-Bromophenyl phenyl ether
4-Chloroaniline
4-Nitroaniline
Acenaphthene
Anthracene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzyl alcohol
Bis(2-chloroethyl) ether
Butyl benzyl phthalate
Chrysene
Dibenzofuran
Dimethyl phthalate
Di-n-octyl phthalate
Fluorene
Hexachlorobutadiene
Hexachloroethane
Isophorone
Naphthalene
N-Nitrosodimethylamine
N-Nitrosodiphenylamine
p-Cresol (4-Methylphenol)
Phenanthrene
Pyrene

