

Elementary  
Ext. 118  
High School  
Ext. 100  
Health Office  
Ext. 102  
Guidance Office  
Ext. 103  
Athletic Director  
Ext. 116  
Administration  
Ext. 105

## Sesser-Valier Community Unit School

District 196  
4626 St. Hwy. 154  
SESSER, ILLINOIS 62884  
625-5105  
FAX (618)625-6696  
www.s-v.frnkn.k12.il.us



March 14, 2018

### **RE: Sesser-Valier Elementary, Junior High, and High School—Lead in Water Notification (Re-test Data)**

Illinois Public Act 99-922 requires all pre-K through 5<sup>th</sup> grade schools built before January 1, 2000, to test the level of lead in the water from every outlet that could be used for drinking or food preparation. The written sampling results must be submitted to the Illinois Department of Public Health, and if lead is found at levels above 5 parts per billion (ppb), the school district must notify parents. Please note that this level set by the state is significantly lower than the federal government threshold of 15 ppb for public water systems and 20 ppb recommended by the US Environmental Protection Agency for school outlets.

On February 14, 2018, Ideal Environmental Engineering (IDEAL) performed water sampling (*re-test*) at Sesser-Valier Elementary, Junior High, and High Schools in Sesser, IL. The district's building is a facility built prior to January 1, 2000, where pre-K through 5<sup>th</sup> grade students are present. The water was tested to identify possible lead contamination for compliance with Public Act 99-922.

Overall, as we expected, the re-test results were significantly improved. The following table shows the latest test results for the water outlets about which we notified you last month:

Sample Location Description	Fixture Type	Concentration (August 24 <sup>th</sup> )	Concentration (February 14 <sup>th</sup> )
Room 172 – First Draw	DF – Drinking Fountain	5.18 ppb	9.29 ppb
Room 172 – Flush Draw	DF – Drinking Fountain	7.39 ppb	21.1 ppb
Room 173 – First Draw	DF – Drinking Fountain	5.56 ppb	2.93 ppb
Room 173 – Flush Draw	DF – Drinking Fountain	10.2 ppb	9.22 ppb
Room 172 – First Draw	S – Sink	41.4 ppb	4.68 ppb
Room 173 – First Draw	S – Sink	6.98 ppb	6.62 ppb
Jr. High West Hall – First Draw	DF – Drinking Fountain	5.16 ppb	2.77 ppb
Jr. High West Hall – Flush Draw	DF – Drinking Fountain	6.27 ppb	4.45 ppb
High School Hall Left – First Draw	DF – Drinking Fountain	6.49 ppb	2.79 ppb
High School Hall Left – Flush Draw	DF – Drinking Fountain	10.3 ppb	7.62 ppb

<b>Sample Location Description</b>	<b>Fixture Type</b>	<b>Concentration (August 24<sup>th</sup>)</b>	<b>Concentration (February 14<sup>th</sup>)</b>
High School Hall Right – Flush Draw	DF – Drinking Fountain	8.10 ppb	5.75 ppb
Jr. High North Hall Left – Flush Draw	DF – Drinking Fountain	5.98 ppb	4.91 ppb
Jr. High North Hall Right – Flush Draw	DF – Drinking Fountain	5.14 ppb	4.03 ppb
Home Ec West – First Draw	S – Sink	11.3 ppb	10.8 ppb
Home Ec Northwest – First Draw	S – Sink	30.4 ppb	8.54 ppb
Home Ec Northeast – First Draw	S – Sink	18.5 ppb	8.54 ppb
Home Ec East – First Draw	S – Sink	16.6 ppb	13.0 ppb
Home Ec Southeast – First Draw	S – Sink	34.3 ppb	10.4 ppb
Home Ec Southeast – Flush Draw	S – Sink	39.5 ppb	ND
Kitchen Skillet Station – First Draw	KS – Kitchen Sink	53.1 ppb	16.7 ppb
Kitchen Skillet Station – Flush Draw	KS – Kitchen Sink	17.1 ppb	ND
Kitchen Dish Sink West – First Draw	KS – Kitchen Sink	5.24 ppb	3.94 ppb
Girls’ Locker Room – First Draw	DF – Drinking Fountain	163 ppb	3.30 ppb
Girls’ Locker Room – Flush Draw	DF – Drinking Fountain	88.6 ppb	4.52 ppb
Ag Shop – First Draw	DF – Drinking Fountain	9.06 ppb	17.9 ppb
Ag Shop – Flush Draw	DF – Drinking Fountain	11.3 ppb	32.0 ppb
Kitchen Dish Sink East Right – First Draw	KS – Kitchen Sink	5.85 ppb	7.93 ppb

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

The full results of the water re-testing are available at [www.sv196.org](http://www.sv196.org).

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](http://www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water).

Please be assured that we will continue to take all action necessary to protect student health. Mitigation and water management will continue. Water outlets are being cleaned, flushed and, if necessary, shut off.

The risk to an individual child from exposure to lead in drinking water depends on many factors, including the amount of lead in the water, the frequency, duration, and dose of the exposure(s),

and individual susceptibility factors (e.g., age, weight, previous exposure history, nutrition, and health). In addition, the degree of harm depends on one's total exposure to lead from all sources in the environment – air, soil, dust, food, and water. Parents/guardians who are concerned that their child is displaying symptoms consistent with elevated levels of lead should contact their healthcare provider.

If you have any questions, please contact the district office at (618) 625-5105, Ext. 105.

Sincerely,

A handwritten signature in blue ink that reads "Jason D. Henry". The signature is written in a cursive style with a large, stylized "J" and "H".

Jason D. Henry  
District Superintendent



## Lead in Drinking Water: Re-Test

Site:

Sesser Elem., Jr. High & High School  
426 State Highway 154  
Sesser, IL 62884

Local Education Agency:

Sesser-Valier C.U.S.D. 196

Completion Date:

February 14, 2018

IDEAL Number:

20774A1





**Lead in Drinking Water: Re-Test****Public Act 099-0922**

Public Act 099-0922, was passed into law in January 2017. The Act requires the Local Education Agency (LEA) 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 5<sup>th</sup> grade children are present. The timeframe for compliance is December 31, 2017, for buildings constructed prior to January 1, 1987; and 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). Notifications are required. Mitigation may be required based on test results. A Water Quality Management Plan (WQMP) is required.

**Scope of Service**

On February 14, 2018, Ideal Environmental Engineering (IDEAL) re-tested one or more drinking water sources at Sesser Elem., Jr. High & High School in Sesser, IL as requested by Sesser-Valier C.U.S.D. 196. IDEAL's scope of service was to provide re-testing and analysis for lead in drinking water in accordance with Illinois Public Act 099-0922 and to prepare and submit a report for the water testing to the LEA.

The re-testing was limited to water source(s) chosen by the LEA. IDEAL was not responsible for determining which sources were to be re-tested.

This report is presented based on the Act. IDEAL's service excluded determining whether a tested building is subject to the Act. IDEAL recommends following the Act's requirements for all buildings tested, even if a building does not meet the Act's definition of a school building.

**Sampling 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.



**Lead in Drinking Water: Re-Test**

**Summary of Sampling**

**Table 1.1: Prior Results Above 2 ppb**

Table 1.1 shows the results of the water sources tested on **August 24, 2017**, which exceeded the minimum laboratory reporting limit of 2 ppb.

<b>Table 1.1 Sample ID</b>	<b>Sample Location Description</b>	<b>Fixture Type</b>	<b>Sample Type</b>	<b>Concentration</b>
SS-01A	Room 132 – pre-K	S - Sink	First Draw	3.41 ppb
SS-01B	Room 132 – pre-K	S - Sink	Flush	2.22 ppb
SS-04A	Elementary South Hall - Left	DF - Drinking Fountain	First Draw	4.33 ppb
SS-04B	Elementary South Hall - Left	DF - Drinking Fountain	Flush	2.67 ppb
SS-06A	Elementary North Hall - Middle	DF - Drinking Fountain	First Draw	2.47 ppb
SS-06B	Elementary North Hall - Middle	DF - Drinking Fountain	Flush	2.84 ppb
SS-07A	Elementary North Hall - Left	DF - Drinking Fountain	First Draw	2.48 ppb
SS-07B	Elementary North Hall - Left	DF - Drinking Fountain	Flush	3.98 ppb
SS-08A	Room 172	DF - Drinking Fountain	First Draw	5.18 ppb
SS-08B	Room 172	DF - Drinking Fountain	Flush	7.39 ppb
SS-09A	Room 173	DF - Drinking Fountain	First Draw	5.56 ppb
SS-09B	Room 173	DF - Drinking Fountain	Flush	10.2 ppb
SS-10A	Room 172	S - Sink	First Draw	41.4 ppb
SS-11A	Room 173	S - Sink	First Draw	6.98 ppb
SS-16A	Jr. High West Hall	DF - Drinking Fountain	First Draw	5.16 ppb
SS-16B	Jr. High West Hall	DF - Drinking Fountain	Flush	6.27 ppb
SS-17A	H.S. Hall - Left	DF - Drinking Fountain	First Draw	6.49 ppb
SS-17B	H.S. Hall - Left	DF - Drinking Fountain	Flush	10.3 ppb
SS-18A	H.S. Hall - Right	DF - Drinking Fountain	First Draw	3.86 ppb
SS-18B	H.S. Hall - Right	DF - Drinking Fountain	Flush	8.10 ppb
SS-19A	Jr. High North Hall - Left	DF - Drinking Fountain	First Draw	2.43 ppb
SS-19B	Jr. High North Hall - Left	DF - Drinking Fountain	Flush	5.98 ppb
SS-20A	Jr. High North Hall - Right	DF - Drinking Fountain	First Draw	2.04 ppb
SS-20B	Jr. High North Hall - Right	DF - Drinking Fountain	Flush	5.14 ppb
SS-21A	Home Ec. West	S - Sink	First Draw	11.3 ppb
SS-22A	Home Ec. Northwest	S - Sink	First Draw	30.4 ppb
SS-23A	Home Ec. Northeast	S - Sink	First Draw	18.5 ppb



**Lead in Drinking Water: Re-Test**

**February 14, 2018**

SS-24A	Home Ec. East	S - Sink	First Draw	16.6 ppb
SS-24B	Home Ec. East	S - Sink	Flush	4.48 ppb
SS-25A	Home Ec. Southeast	S - Sink	First Draw	34.3 ppb
SS-25B	Home Ec. Southeast	S - Sink	Flush	39.5 ppb
SS-27A	Kitchen - Skillet Station	KS - Kitchen Sink	First Draw	53.1 ppb
SS-27B	Kitchen - Skillet Station	KS - Kitchen Sink	Flush	17.1 ppb
SS-28A	Kitchen - Dish Sink West (South)	KS - Kitchen Sink	First Draw	5.24 ppb
SS-29A	Art Room - Left	DF - Drinking Fountain	First Draw	2.36 ppb
SS-29B	Art Room - Left	DF - Drinking Fountain	Flush	3.61 ppb
SS-30A	Art Room - Right	DF - Drinking Fountain	First Draw	2.36 ppb
SS-30B	Art Room - Right	DF - Drinking Fountain	Flush	3.96 ppb
SS-31A	Girls' Locker Room	DF - Drinking Fountain	First Draw	163 ppb
SS-31B	Girls' Locker Room	DF - Drinking Fountain	Flush	88.6 ppb
SS-32A	Ag Shop	DF - Drinking Fountain	First Draw	9.06 ppb
SS-32B	Ag Shop	DF - Drinking Fountain	Flush	11.3 ppb
SS-33A	Kitchen - Left	KS - Kitchen Sink	First Draw	4.47 ppb
SS-34A	Kitchen - Right	KS - Kitchen Sink	First Draw	5.85 ppb



## Lead in Drinking Water: Re-Test

**Table 1.2: All Re-Test Results**

Table 1.2 shows the results of the water sources re-tested on **February 14, 2018**.

<b>Table 1.2 Sample ID</b>	<b>Sample Location Description</b>	<b>Fixture Type</b>	<b>Sample Type</b>	<b>Concentration</b>
SS 01 AR	Room 132 - pre-K	S - Sink	First Draw	6.88 ppb
SS 01 BR	Room 132 - pre-K	S - Sink	Flush	2.36 ppb
SS 04 AR	Elementary South Hall - Left	DF - Drinking Fountain	First Draw	ND
SS 04 BR	Elementary South Hall - Left	DF - Drinking Fountain	Flush	3.09 ppb
SS 06 AR	Elementary North Hall - Middle	DF - Drinking Fountain	First Draw	3.40 ppb
SS 06 BR	Elementary North Hall - Middle	DF - Drinking Fountain	Flush	5.55 ppb
SS 07 AR	Elementary North Hall - Left	DF - Drinking Fountain	First Draw	2.68 ppb
SS 07 BR	Elementary North Hall - Left	DF - Drinking Fountain	Flush	2.97 ppb
SS 08 AR	Room 172	DF - Drinking Fountain	First Draw	9.29 ppb
SS 08 BR	Room 172	DF - Drinking Fountain	Flush	21.1 ppb
SS 09 AR	Room 173	DF - Drinking Fountain	First Draw	2.93 ppb
SS 09 BR	Room 173	DF - Drinking Fountain	Flush	9.22 ppb
SS 10 AR	Room 172	S - Sink	First Draw	4.68 ppb
SS 10 BR	Room 172	S - Sink	Flush	ND
SS 11 AR	Room 173	S - Sink	First Draw	6.62 ppb
SS 11 BR	Room 173	S - Sink	Flush	ND
SS 16 AR	Jr. High West Hall	DF - Drinking Fountain	First Draw	2.77 ppb
SS 16 BR	Jr. High West Hall	DF - Drinking Fountain	Flush	4.45 ppb
SS 17 AR	H.S. Hall - Left	DF - Drinking Fountain	First Draw	2.79 ppb
SS 17 BR	H.S. Hall - Left	DF - Drinking Fountain	Flush	7.62 ppb
SS 18 AR	H.S. Hall - Right	DF - Drinking Fountain	First Draw	ND
SS 18 BR	H.S. Hall - Right	DF - Drinking Fountain	Flush	5.75 ppb
SS 19 AR	Jr. High North Hall - Left	DF - Drinking Fountain	First Draw	ND
SS 19 BR	Jr. High North Hall - Left	DF - Drinking Fountain	Flush	4.91 ppb
SS 20 AR	Jr. High North Hall - Right	DF - Drinking Fountain	First Draw	ND
SS 20 BR	Jr. High North Hall - Right	DF - Drinking Fountain	Flush	4.03 ppb
SS 21 AR	Home Ec. - West	S - Sink	First Draw	10.8 ppb
SS 21 BR	Home Ec. - West	S - Sink	Flush	ND
SS 22 AR	Home Ec. - Northwest	S - Sink	First Draw	8.54 ppb
SS 22 BR	Home Ec. - Northwest	S - Sink	Flush	ND
SS 23 AR	Home Ec. - Northeast	S - Sink	First Draw	8.54 ppb



## Lead in Drinking Water: Re-Test

February 14, 2018

Table 1.2 Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
SS 23 BR	Home Ec. - Northeast	S - Sink	Flush	ND
SS 24 AR	Home Ec. - East	S - Sink	First Draw	13.0 ppb
SS 24 BR	Home Ec. - East	S - Sink	Flush	ND
SS 25 AR	Home Ec. - Southeast	S - Sink	First Draw	10.4 ppb
SS 25 BR	Home Ec. - Southeast	S - Sink	Flush	ND
SS 27 AR	Kitchen - Skillet Station	KS - Kitchen Sink	First Draw	16.7 ppb
SS 27 BR	Kitchen - Skillet Station	KS - Kitchen Sink	Flush	ND
SS 28 AR	Kitchen - Dish Sink - West (South)	KS - Kitchen Sink	First Draw	3.94 ppb
SS 28 BR	Kitchen - Dish Sink - West (South)	KS - Kitchen Sink	Flush	ND
SS 29 AR	Art Room Hall - Left	DF - Drinking Fountain	First Draw	ND
SS 29 BR	Art Room Hall - Left	DF - Drinking Fountain	Flush	3.79 ppb
SS 30 AR	Art Room Hall - Right	DF - Drinking Fountain	First Draw	3.18 ppb
SS 30 BR	Art Room Hall - Right	DF - Drinking Fountain	Flush	5.48 ppb
SS 31 AR	Girls' Locker Room	DF - Drinking Fountain	First Draw	3.30 ppb
SS 31 BR	Girls' Locker Room	DF - Drinking Fountain	Flush	4.52 ppb
SS 32 AR	Ag Shop	DF - Drinking Fountain	First Draw	17.9 ppb
SS 32 BR	Ag Shop	DF - Drinking Fountain	Flush	32.0 ppb
SS 33 AR	Kitchen - Left	KS - Kitchen Sink	First Draw	2.33 ppb
SS 33 BR	Kitchen - Left	KS - Kitchen Sink	Flush	ND
SS 34 AR	Kitchen - Right	KS - Kitchen Sink	First Draw	7.93 ppb
SS 34 BR	Kitchen - Right	KS - Kitchen Sink	Flush	ND
ND = None Detected				



**Lead in Drinking Water: Re-Test****Notifications**

At this time, the Public Act and IDPH have not established requirements for reporting of re-test results.

**Mitigation****Mitigation Requirements:**

IDPH requires mitigation when lead is found in a sample above the minimum reporting limit. They recommend the sampling source be removed from service immediately upon learning that it has tested positive for lead. Re-testing is required after mitigation unless the sampling source is taken out of service. Mitigation is to continue until subsequent testing indicates lead levels are below the minimum reporting limit.

Based on sample results:

- Mitigate all sources identified in Table 2.1, and retest after mitigation is complete. Results shown in Table 2.1 were found to contain lead at or above the 2 ppb minimum reporting limit.

Refer to IDPH's website for mitigation strategies:

[www.dph.illinois.gov/sites/default/files/publications/school-lead-mitigation-strategies-050917.pdf](http://www.dph.illinois.gov/sites/default/files/publications/school-lead-mitigation-strategies-050917.pdf)

**Table 2.1: Re-Test Results over 2 ppb**

<b>Table 2.1 Sample ID</b>	<b>Sample Location Description</b>	<b>Fixture Type</b>	<b>Sample Type</b>	<b>Concentration</b>
SS 01 AR	Room 132 - pre-K	S - Sink	First Draw	6.88 ppb
SS 01 BR	Room 132 - pre-K	S - Sink	Flush	2.36 ppb
SS 04 BR	Elementary South Hall - Left	DF - Drinking Fountain	Flush	3.09 ppb
SS 06 AR	Elementary North Hall - Middle	DF - Drinking Fountain	First Draw	3.40 ppb
SS 06 BR	Elementary North Hall - Middle	DF - Drinking Fountain	Flush	5.55 ppb
SS 07 AR	Elementary North Hall - Left	DF - Drinking Fountain	First Draw	2.68 ppb
SS 07 BR	Elementary North Hall - Left	DF - Drinking Fountain	Flush	2.97 ppb
SS 08 AR	Room 172	DF - Drinking Fountain	First Draw	9.29 ppb
SS 08 BR	Room 172	DF - Drinking Fountain	Flush	21.1 ppb
SS 09 AR	Room 173	DF - Drinking Fountain	First Draw	2.93 ppb
SS 09 BR	Room 173	DF - Drinking Fountain	Flush	9.22 ppb
SS 10 AR	Room 172	S - Sink	First Draw	4.68 ppb
SS 11 AR	Room 173	S - Sink	First Draw	6.62 ppb
SS 16 AR	Jr. High West Hall	DF - Drinking Fountain	First Draw	2.77 ppb
SS 16 BR	Jr. High West Hall	DF - Drinking Fountain	Flush	4.45 ppb



## Lead in Drinking Water: Re-Test

February 14, 2018

Table 2.1 Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
SS 17 AR	H.S. Hall - Left	DF - Drinking Fountain	First Draw	2.79 ppb
SS 17 BR	H.S. Hall - Left	DF - Drinking Fountain	Flush	7.62 ppb
SS 18 BR	H.S. Hall - Right	DF - Drinking Fountain	Flush	5.75 ppb
SS 19 BR	Jr. High North Hall - Left	DF - Drinking Fountain	Flush	4.91 ppb
SS 20 BR	Jr. High North Hall - Right	DF - Drinking Fountain	Flush	4.03 ppb
SS 21 AR	Home Ec. - West	S - Sink	First Draw	10.8 ppb
SS 22 AR	Home Ec. - Northwest	S - Sink	First Draw	8.54 ppb
SS 23 AR	Home Ec. - Northeast	S - Sink	First Draw	8.54 ppb
SS 24 AR	Home Ec. - East	S - Sink	First Draw	13.0 ppb
SS 25 AR	Home Ec. - Southeast	S - Sink	First Draw	10.4 ppb
SS 27 AR	Kitchen - Skillet Station	KS - Kitchen Sink	First Draw	16.7 ppb
SS 28 AR	Kitchen - Dish Sink - West (South)	KS - Kitchen Sink	First Draw	3.94 ppb
SS 29 BR	Art Room Hall - Left	DF - Drinking Fountain	Flush	3.79 ppb
SS 30 AR	Art Room Hall - Right	DF - Drinking Fountain	First Draw	3.18 ppb
SS 30 BR	Art Room Hall - Right	DF - Drinking Fountain	Flush	5.48 ppb
SS 31 AR	Girls' Locker Room	DF - Drinking Fountain	First Draw	3.30 ppb
SS 31 BR	Girls' Locker Room	DF - Drinking Fountain	Flush	4.52 ppb
SS 32 AR	Ag Shop	DF - Drinking Fountain	First Draw	17.9 ppb
SS 32 BR	Ag Shop	DF - Drinking Fountain	Flush	32.0 ppb
SS 33 AR	Kitchen - Left	KS - Kitchen Sink	First Draw	2.33 ppb
SS 34 AR	Kitchen - Right	KS - Kitchen Sink	First Draw	7.93 ppb



**Lead in Drinking Water: Re-Test****Water Quality Management Plan**

A Water Quality Management Plan (WQMP) must be developed and maintained.

The need for re-testing after mitigation may be affected by the WQMP.

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

[www.dph.illinois.gov/sites/default/files/publications/school-lead-mitigation-strategies-050917.pdf](http://www.dph.illinois.gov/sites/default/files/publications/school-lead-mitigation-strategies-050917.pdf)

**General Comments**

Refer to Appendix A for the complete analysis report, including chain of custody and laboratory accreditation.

This report is based strictly on Illinois Public Act 099-0922. You may also wish to refer to the EPA's 3 *T's for Reducing Lead in Drinking Water* for additional guidance.

Prior to re-testing, the LEA was responsible for determining if water sources were ready, such as ensuring any mitigation processes were complete (i.e. fixture replacement and recommended flushing, aerator cleaning, etc.).

IDEAL sampled according to accepted protocol for this project (unless otherwise noted by limitations in the description of the scope of work) and based on our interpretation of the regulations affecting schools.

Any recommendations provided by IDEAL are recommendations only. Employees of IDEAL are neither plumbers nor healthcare providers. No opinions or recommendations are stated about possible health effects of lead.

Sample results reflect the water at the time of the sampling event. IDEAL shall not be held liable if sources are re-sampled and found to contain lead.

Plumbing investigation, water quality management plan development, and in-depth consulting regarding mitigation are beyond the scope of this work. IDEAL may provide some mitigation consulting as a courtesy, however, the provision of such a courtesy shall not mean IDEAL is responsible for doing so.

Room numbers, room dimensions, occupant names, building years, etc. may not be accurate in this report if information provided to us, such as on a diagram, was not current.

This report shall not be reproduced, except in full, without the written consent of IDEAL. Record retention by IDEAL is not guaranteed. IDEAL reserves the right to provide copies of chains of custody rather than originals, as the originals will only be archived for a limited period of time.

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

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 retesting, the WQMP, or with other environmental services such as asbestos, indoor air quality or bleacher inspections.







PDC Laboratories, Inc.

Thursday, March 1, 2018

Central Office Staff

Ideal Environmental Engineering, Inc.  
2904 Tractor Lane  
Bloomington, IL 61704

TEL: (309) 828-4259

FAX: (309) 828-5735

RE: Sesser Elementary, Jr High & High School

PDC WO: 18B0338

PDC Laboratories, Inc. received 52 sample(s) on 2/16/2018 for the analyses presented in the following report.

All applicable quality control procedures met method specific acceptance criteria unless otherwise noted.

This report shall not be reproduced, except in full, without the prior written consent of PDC Laboratories, Inc.

If you have any questions, please feel free to contact me at (224) 253-1348.

Respectfully submitted,

A handwritten signature in black ink, appearing to read "Christina E. Pierce", is written over a light gray rectangular background.

Christina E. Pierce  
Project Manager

**Certifications:**

NELAP/NELAC - IL #100323

---

1210 Capital Airport Drive	*	Springfield, IL 62707	*	1.217.753.1148	*	1.217.753.1152 Fax
9114 Virginia Road Suite #112	*	Lake in the Hills, IL 60156	*	1.847.651.2604	*	1.847.458.0538 Fax

PDC Laboratories, Inc.

Date: 3/1/2018

**LABORATORY RESULTS**

Client:	Ideal Environmental Engineering, Inc.	Lab Order:	18B0338
Project:	Sesser Elementary, Jr High & High School	Lab ID:	18B0338-01
Client Sample ID:	SS 01 AR	Matrix:	Drinking Water
Collection Date:	2/14/18 7:10		

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	6.88	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:15	EPA200.8 R5.	LAH

Client Sample ID:	SS 01 BR	Lab ID:	18B0338-02
Collection Date:	2/14/18 7:11	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.36	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:22	EPA200.8 R5.	LAH

Client Sample ID:	SS 04 AR	Lab ID:	18B0338-03
Collection Date:	2/14/18 7:06	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:24	EPA200.8 R5.	LAH

Client Sample ID:	SS 04 BR	Lab ID:	18B0338-04
Collection Date:	2/14/18 7:07	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	3.09	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:26	EPA200.8 R5.	LAH

Client Sample ID:	SS 06 AR	Lab ID:	18B0338-05
Collection Date:	2/14/18 6:58	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	3.40	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:28	EPA200.8 R5.	LAH

Client Sample ID:	SS 06 BR	Lab ID:	18B0338-06
Collection Date:	2/14/18 6:59	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	5.55	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:31	EPA200.8 R5.	LAH

PDC Laboratories, Inc.

Date: 3/1/2018

**LABORATORY RESULTS**

Client:	Ideal Environmental Engineering, Inc.	Lab Order:	18B0338
Project:	Sesser Elementary, Jr High & High School	Lab ID:	18B0338-07
Client Sample ID:	SS 07 AR	Matrix:	Drinking Water
Collection Date:	2/14/18 6:01		

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.68	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:39	EPA200.8 R5.	LAH

Client Sample ID:	SS 07 BR	Lab ID:	18B0338-08
Collection Date:	2/14/18 6:02	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.97	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:42	EPA200.8 R5.	LAH

Client Sample ID:	SS 08 AR	Lab ID:	18B0338-09
Collection Date:	2/14/18 6:47	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	9.29	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:44	EPA200.8 R5.	LAH

Client Sample ID:	SS 08 BR	Lab ID:	18B0338-10
Collection Date:	2/14/18 6:48	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	21.1	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:46	EPA200.8 R5.	LAH

Client Sample ID:	SS 09 AR	Lab ID:	18B0338-11
Collection Date:	2/14/18 6:52	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.93	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:48	EPA200.8 R5.	LAH

Client Sample ID:	SS 09 BR	Lab ID:	18B0338-12
Collection Date:	2/14/18 6:53	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	9.22	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:55	EPA200.8 R5.	LAH

PDC Laboratories, Inc.

Date: 3/1/2018

**LABORATORY RESULTS**

Client:	Ideal Environmental Engineering, Inc.		Lab Order:	18B0338
Project:	Sesser Elementary, Jr High & High School		Lab ID:	18B0338-13
Client Sample ID:	SS 10 AR		Matrix:	Drinking Water
Collection Date:	2/14/18 6:50			

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	4.68	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:57	EPA200.8 R5.	LAH

Client Sample ID:	SS 10 BR	Lab ID:	18B0338-14
Collection Date:	2/14/18 6:51	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:15	2/22/18 10:59	EPA200.8 R5.	LAH

Client Sample ID:	SS 11 AR	Lab ID:	18B0338-15
Collection Date:	2/14/18 6:55	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	6.62	2.00		µg/L	1	2/20/18 14:15	2/22/18 11:08	EPA200.8 R5.	LAH

Client Sample ID:	SS 11 BR	Lab ID:	18B0338-16
Collection Date:	2/14/18 6:56	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:15	2/22/18 11:10	EPA200.8 R5.	LAH

Client Sample ID:	SS 16 AR	Lab ID:	18B0338-17
Collection Date:	2/14/18 6:33	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.77	2.00		µg/L	1	2/20/18 14:15	2/22/18 11:12	EPA200.8 R5.	LAH

Client Sample ID:	SS 16 BR	Lab ID:	18B0338-18
Collection Date:	2/14/18 6:34	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	4.45	2.00		µg/L	1	2/20/18 14:15	2/22/18 11:14	EPA200.8 R5.	LAH

PDC Laboratories, Inc.

Date: 3/1/2018

## LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.  
 Project: Sesser Elementary, Jr High & High School  
 Client Sample ID: SS 17 AR  
 Collection Date: 2/14/18 6:27

Lab Order: 18B0338  
 Lab ID: 18B0338-19  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.79	2.00		µg/L	1	2/20/18 14:15	2/22/18 11:16	EPA200.8 R5.	LAH

Client Sample ID: SS 17 BR  
 Collection Date: 2/14/18 6:28

Lab ID: 18B0338-20  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	7.62	2.00		µg/L	1	2/20/18 14:15	2/22/18 11:19	EPA200.8 R5.	LAH

Client Sample ID: SS 18 AR  
 Collection Date: 2/14/18 6:30

Lab ID: 18B0338-21  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:25	EPA200.8 R5.	LAH

Client Sample ID: SS 18 BR  
 Collection Date: 2/14/18 6:31

Lab ID: 18B0338-22  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	5.75	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:38	EPA200.8 R5.	LAH

Client Sample ID: SS 19 AR  
 Collection Date: 2/14/18 6:21

Lab ID: 18B0338-23  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:40	EPA200.8 R5.	LAH

Client Sample ID: SS 19 BR  
 Collection Date: 2/14/18 6:22

Lab ID: 18B0338-24  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	4.91	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:42	EPA200.8 R5.	LAH

PDC Laboratories, Inc.

Date: 3/1/2018

## LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.  
 Project: Sesser Elementary, Jr High & High School  
 Client Sample ID: SS 20 AR  
 Collection Date: 2/14/18 6:23

Lab Order: 18B0338  
 Lab ID: 18B0338-25  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:45	EPA200.8 R5.	LAH

Client Sample ID: SS 20 BR  
 Collection Date: 2/14/18 6:24

Lab ID: 18B0338-26  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	4.03	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:47	EPA200.8 R5.	LAH

Client Sample ID: SS 21 AR  
 Collection Date: 2/14/18 6:08

Lab ID: 18B0338-27  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	10.8	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:49	EPA200.8 R5.	LAH

Client Sample ID: SS 21 BR  
 Collection Date: 2/14/18 6:09

Lab ID: 18B0338-28  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:51	EPA200.8 R5.	LAH

Client Sample ID: SS 22 AR  
 Collection Date: 2/14/18 6:12

Lab ID: 18B0338-29  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	8.54	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:53	EPA200.8 R5.	LAH

Client Sample ID: SS 22 BR  
 Collection Date: 2/14/18 6:13

Lab ID: 18B0338-30  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 11:56	EPA200.8 R5.	LAH

PDC Laboratories, Inc.

Date: 3/1/2018

## LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.  
 Project: Sesser Elementary, Jr High & High School  
 Client Sample ID: SS 23 AR  
 Collection Date: 2/14/18 6:14

Lab Order: 18B0338  
 Lab ID: 18B0338-31  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	8.54	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:04	EPA200.8 R5.	LAH

Client Sample ID: SS 23 BR  
 Collection Date: 2/14/18 6:15

Lab ID: 18B0338-32  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:11	EPA200.8 R5.	LAH

Client Sample ID: SS 24 AR  
 Collection Date: 2/14/18 6:16

Lab ID: 18B0338-33  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	13.0	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:13	EPA200.8 R5.	LAH

Client Sample ID: SS 24 BR  
 Collection Date: 2/14/18 6:17

Lab ID: 18B0338-34  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:15	EPA200.8 R5.	LAH

Client Sample ID: SS 25 AR  
 Collection Date: 2/14/18 6:18

Lab ID: 18B0338-35  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	10.4	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:17	EPA200.8 R5.	LAH

Client Sample ID: SS 25 BR  
 Collection Date: 2/14/18 6:19

Lab ID: 18B0338-36  
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:19	EPA200.8 R5.	LAH

PDC Laboratories, Inc.

Date: 3/1/2018

**LABORATORY RESULTS**

Client:	Ideal Environmental Engineering, Inc.	Lab Order:	18B0338
Project:	Sesser Elementary, Jr High & High School	Lab ID:	18B0338-37
Client Sample ID:	SS 27 AR	Matrix:	Drinking Water
Collection Date:	2/14/18 5:50		

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	16.7	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:22	EPA200.8 R5.	LAH

Client Sample ID:	SS 27 BR	Lab ID:	18B0338-38
Collection Date:	2/14/18 5:51	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:24	EPA200.8 R5.	LAH

Client Sample ID:	SS 28 AR	Lab ID:	18B0338-39
Collection Date:	2/14/18 5:54	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	3.94	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:33	EPA200.8 R5.	LAH

Client Sample ID:	SS 28 BR	Lab ID:	18B0338-40
Collection Date:	2/14/18 5:55	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:17	2/22/18 12:35	EPA200.8 R5.	LAH

Client Sample ID:	SS 29 AR	Lab ID:	18B0338-41
Collection Date:	2/14/18 6:39	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	2/20/18 14:18	2/22/18 12:41	EPA200.8 R5.	LAH

Client Sample ID:	SS 29 BR	Lab ID:	18B0338-42
Collection Date:	2/14/18 6:40	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	3.79	2.00		µg/L	1	2/20/18 14:18	2/22/18 12:48	EPA200.8 R5.	LAH



PDC Laboratories, Inc.

Date: 3/1/2018

## LABORATORY RESULTS

Client:	Ideal Environmental Engineering, Inc.		Lab Order:	18B0338
Project:	Sesser Elementary, Jr High & High School		Lab ID:	18B0338-43
Client Sample ID:	SS 30 AR		Matrix:	Drinking Water
Collection Date:	2/14/18 6:41			

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	3.18	2.00		µg/L	1	2/20/18 14:18	2/22/18 12:50	EPA200.8 R5.	LAH

Client Sample ID:	SS 30 BR	Lab ID:	18B0338-44
Collection Date:	2/14/18 6:42	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	5.48	2.00		µg/L	1	2/20/18 14:18	2/22/18 12:52	EPA200.8 R5.	LAH

Client Sample ID:	SS 31 AR	Lab ID:	18B0338-45
Collection Date:	2/14/18 5:59	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	3.30	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:01	EPA200.8 R5.	LAH

Client Sample ID:	SS 31 BR	Lab ID:	18B0338-46
Collection Date:	2/14/18 6:00	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	4.52	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:03	EPA200.8 R5.	LAH

Client Sample ID:	SS 32 AR	Lab ID:	18B0338-47
Collection Date:	2/14/18 6:02	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	17.9	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:05	EPA200.8 R5.	LAH

Client Sample ID:	SS 32 BR	Lab ID:	18B0338-48
Collection Date:	2/14/18 6:03	Matrix:	Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	32.0	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:07	EPA200.8 R5.	LAH

PDC Laboratories, Inc.

Date: 3/1/2018

## LABORATORY RESULTS

Client:	Ideal Environmental Engineering, Inc.					Lab Order:	18B0338			
Project:	Sesser Elementary, Jr High & High School					Lab ID:	18B0338-49			
Client Sample ID:	SS 33 AR					Matrix:	Drinking Water			
Collection Date:	2/14/18 5:30									
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	2.33	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:10	EPA200.8 R5.	LAH	
Client Sample ID:	SS 33 BR					Lab ID:	18B0338-50			
Collection Date:	2/14/18 5:31					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:12	EPA200.8 R5.	LAH	
Client Sample ID:	SS 34 AR					Lab ID:	18B0338-51			
Collection Date:	2/14/18 5:32					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	7.93	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:14	EPA200.8 R5.	LAH	
Client Sample ID:	SS 34 BR					Lab ID:	18B0338-52			
Collection Date:	2/14/18 5:33					Matrix:	Drinking Water			
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst	
Metals by ICP-MS										
*Lead	U	2.00		µg/L	1	2/20/18 14:18	2/22/18 13:21	EPA200.8 R5.	LAH	

PDC Laboratories, Inc.

Date: 3/1/2018

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**LABORATORY RESULTS**

**Client:** Ideal Environmental Engineering, Inc.

**Project:** Sesser Elementary, Jr High & High School

**Lab Order:** 18B0338

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**Notes and Definitions**

\* NELAC certified compound.

U Analyte not detected (i.e. less than RL or MDL).

# Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152  
 Chicago IL Office - 9114 Virginia Rd. Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2504 - Facsimile (847) 458-9680  
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client / Address		Ideal Environmental Engineering, Inc. / 2904 Tractor Lane	
City, State, Zip Code		Bloomington, IL 61704	
Phone / Facsimile		309-828-4259 / 309-828-5735	
P.O. (if) / LEA		J# 20774A1 / Sesser-Valier C.U.S.D. 196	
Building Description		Sesser Elem., Jr High & H.S.	
Address		4626 State Highway 154, Sesser, IL 62884	
ISBE ID		21-028-1960-26-0001	
Contact/E-Mail Address		Central Office Staff / leadinwater@idealenvironmental.com	
Sample ID	Sample Location Description	Sample Date	Sample Time
SS01AR	Room 132 - 1st	2-14-18	7:10 A
SS01BR	1		7:11 A
SS02AR	Elem. South Hall		7:06 A
SS04BR	1		7:07 A
SS06AR	Elem North Hall		6:58 A
SS06BR	1		6:59 A
SS07AR	Elem North Hall		6:01 A
SS07BR	1		6:02 A
SS08AR	Room 172		6:49 A
SS08BR	1		6:48 A
SS09AR	Room 173		6:52 A
SS09BR	1		6:53 A

  

Matrix: Drinking Water		Preservative: None	
Relinquished By	Date	Time	Received By
Collected By: <i>[Signature]</i>	2-15-18	4:15 PM	IDEAL Lead in Water Dept., <i>CPH</i>
IDEAL Lead in Water Dept., <i>CPH</i>	2/16/18	8:20 A	

  

Analysis/Method Requested: Lead		Date	
250 ml Collected?	SS	2/16/18	
Source Type: (Single Source/Single Drain=SS, Double Source/Double Drain=DD)	SS		
When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UP) Lower (LO) as applicable.	SS		
Fixture Type: DF=Drinking Fountain, S=Sink, WF=Water Cooler, KS=Kitchen Sink, BF=Bottle Filler, O=Other	SS		
First Draw Sample = 1	SS		
Second Draw (30-Second Flush) = 2	SS		
Miscellaneous: # of sources / # of samples: 24/52	SS		
Date Water Last Used: 2-13-18	SS		
Time Water Last Used: 9:30 P	SS		
Make / Model	SS		

  

Turnaround Time:		Standard		Rush	
246-18	8:20				
Temperature (°C)	170				

Instructions: White - Client / Yellow - PAS, Inc. / Pink - Sampler  
 DOC - IDEAL

LAB- 256712

## Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152  
 Chicago IL Office - 9114 Virginia Rd. Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2604 - Facsimile (847) 458-9680  
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client / Address		Sample Location Details		Miscellaneous	
Ideal Environmental Engineering, Inc. / 2904 Tractor Lane					
City, State, Zip Code	Bloomington, IL 61704	When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UP) Lower (LO) as applicable.	Source Type: (Single Source/Single Drain=SS; Double Source/Double Drain=DD)	250 ml Collected?	First Draw Sample = 1 Second Draw (30-Second Flush) = 2
Phone / Facsimile	309-828-4259 / 309-828-5735	WF=Water Cooler, KS=Kitchen Sink, DF=Drinking Fountain, S=Sink, BF=Bottle Filler, O=Other			
P.O. (H#) / LEA	J# 20774A1 / Sesser-Valter C.U.S.D. 196				
Building Description	Sesser Elem., Jr High & H.S.				
Address	4626 State Highway 154, Sesser, IL 62884				
ISBE ID	21-028-1960-26-0001				
Contact/E-Mail Address	Central Office Staff / leadinwater@idealenvironmental.com				
Sample ID	Sample Location Description	Date	Time	Sample	Time
SS10AR	Room 172	1-14-18	650A		
SS10BR	↓		651A		
SS11AR	Room 173		655A		
SS11BR	↓		656A		
SS16AR	g High West Hall		633A		
SS16BR	↓		634A		
SS17AR	HS Hall		627A		
SS17BR	↓		628A		
SS18AR	↓		630A		
SS18BR	↓		631A		
SS19AR	g HS North Hall		621A		
SS19BR	↓		622A		
Matrix: Drinking Water		Preservative: None			
Relinquished By	Date	Time	Received By	Date	Time
Collected By: <i>[Signature]</i>	2-15-18	4:15 PM	IDEAL Lead in Water Dept., <i>[Signature]</i>	2/16/18	
IDEAL Lead in Water Dept.,					
Turnaround Time:			Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>	Temperature (°C)	
				17.0	

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Instructions:  
 s: White - Client / Yellow - PAS, Inc. / Pink - Sampler  
 DOC - IDEAL

Page 2 of 5

Revision 4  
 March 3, 2017

## Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152  
 Chicago IL Office - 9114 Virginia Rd. Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2504 - Facsimile (847) 458-5680  
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client / Address		Ideal Environmental Engineering, Inc. / 2904 Tractor Lane	
City, State, Zip Code		Bloomington, IL 61704	
Phone / Facsimile		309-828-4259 / 309-828-5735	
P.O. (if) / LEA		J# 20774A1 / Sesser-Valley C.U.S.D. 196	
Building Description		Sesser Elem., Jr High & H.S.	
Address		4626 State Highway 154, Sesser, IL 62884	
ISBE ID		21-028-1960-26-0001	
Contact/E-Mail Address		Central Office Staff / leadinwater@idealenvironmental.com	
Sample ID	Sample Location Description	Date	Time
SS20A R	Jr High North Hall	2-14-18	623A
SS20B R	Jr High North Hall		624A
SS21A R	Home Ec West		608A
SS21B R	Jr High North Hall		609A
SS22A R	Home Ec North West		612A
SS22B R	Jr High North Hall		613A
SS23A R	Home Ec North East		614A
SS23B R	Jr High North Hall		615A
SS24A R	Home Ec East		616A
SS24B R	Jr High North Hall		617A
SS25A R	Home Ec South East		618A
SS25B R	Jr High North Hall		619A

Matrix: Drinking Water		Preservative: None	
Relinquished By	Date	Time	
Collected By: <i>[Signature]</i>	2-15-18	9:57pm	
IDEAL Lead in Water Dept.,			

Analysis/Method Requested: Lead		Received By		Date		Method of Shipment	
		<i>[Signature]</i>		2/16/18			
Turnaround Time:		Standard <input checked="" type="checkbox"/> Rush <input type="checkbox"/>		2-16-18 8:20		Temperature (°C)	
						17.0	

Sample Location Details		Miscellaneous	
Fixture Type	When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UP) Lower (LO) as applicable.	Source Type: (Single Source/Single Drain=SS, Double Source/Double Drain=DS)	# of sources / # of samples: 26 / 52
WF=Water Cooler, KS=Kitchen Sink, DF=Drinking Fountain, S=Sink, BF=Bottle Filler, O=Other		250 ml Collected?	Date Water Last Used: 2-13-18
		First Draw Sample = 1	Time Water Last Used: 9:30p
		Second Draw (30-Second Flush) = 2	Make / Model: Elhay

APPENDIX A

Instructions: White - Client / Yellow - PAS, Inc. / Pink - Sampler  
 COC - IDEAL

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Revision 4  
 March 3, 2017

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**Prairie**

**Analytical**  
Systems, INCORPORATED

[www.prairieanalytical.com](http://www.prairieanalytical.com)

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**Systems, INCORPORATED**  
[www.prairieanalytical.com](http://www.prairieanalytical.com)

Client / Address				Ideal Environmental Engineering, Inc. / 2904 Tractor Lane						
City, State, Zip Code				Bloomington, IL 61704						
Phone / Facsimile				309-828-4259 / 309-828-5735						
P.O. (J#) / LEA				J# 20774A1 / Sesser-Valier C.U.S.D. 196						
Building Description				Sesser Elem., Jr High & H.S.						
Address				4626 State Highway 154, Sesser, IL 62884						
SBE ID				21-028-1960-26-0001						
Contact/E-Mail Address				Central Office Staff / leadinwater@idealenvironmental.com						
Sample ID	Sample Location Description	Date	Time	Sample	Source Type	When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UP) Lower (LO) as applicable.	Source Type: (Single Source/Single Drain=SS, Double Source/Single Drain=DS, Double Source/Double Drain=DD)	250 ml Collected?	First Draw Sample = 1 Second Draw (30-Second Flush) = 2	Make / Model
SS27AR	Kitchen Shallow Sink	2-14-18	530A	SS	SS			1		
SS27BR	-		551A	SS	SS			2		
SS28AR	Kitchen Deep Sink West (sink)		554A	KS	SS			1		
SS28BR	-		555A	KS	SS			2		
SS29AR	Art Room Hall		639A	DF	L			1		Elkay
SS29BR	-		640A	DF	L			2		
SS30AR	Art Room Hall		641A	DF	R			1		
SS30BR	-		642A	DF	R			2		
SS31AR	Girls Locker Room		559A	DF				1		
SS31BR	-		600A	DF				2		
SS32AR	By Shop		602A	DF				1		
SS32BR	-		603A	DF				2		

**Matrix:** Drinking Water

**Relinquished By:** *[Signature]*

**Collected By:** *[Signature]*

**DEAL Lead in Water Dept.,**

**Preservative:** None

**Date:** 2-15-18

**Time:** 4:15pm

**IDEAL Lead in Water Dept.,**

**Analysis/Method Requested:** Lead

**Date:** 2/16/18

**Method of Shipment:**

**Standard** ☒ **Rush** ☐

**Turnaround Time:** 24-48 Hrs

**Temperature (°C)** 17.0

Page 1

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**Analytical**  
Systems, INCORPORATED  
[www.praireianalytical.com](http://www.praireianalytical.com)

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[illegible]





**STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
NELAP - RECOGNIZED  
ENVIRONMENTAL LABORATORY ACCREDITATION**



is hereby granted to

**PDC- SPRINGFIELD  
1210 CAPITAL AIRPORT DRIVE  
SPRINGFIELD, IL 62707-8413  
NELAP ACCREDITED  
ACCREDITATION NUMBER #100323**



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.

A handwritten signature in black ink that reads "Celeste M. Crowley".

Celeste M. Crowley  
Acting Manager  
Environmental Laboratory Accreditation Program

A handwritten signature in black ink that reads "John D. South".

John South  
Accreditation Officer  
Environmental Laboratory Accreditation Program

Certificate No.: 004302  
Expiration Date: 01/31/2019  
Issued On: 02/09/2018

**State of Illinois  
Environmental Protection Agency**

Certificate No.: 004302

**Awards the Certificate of Approval to:**

PDC- Springfield  
1210 Capital Airport Drive  
Springfield, IL 62707-8413

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: SM2320B,18Ed****Matrix Type: Potable Water**

Alkalinity

**Method: SM2340B,18Ed****Matrix Type: Potable Water**

Hardness

**Method: SM4110B,18Ed****Matrix Type: Potable Water**

Chloride

Fluoride

Nitrate

Nitrite

Orthophosphate as P

Sulfate

**Method: SM4500CN-E,18Ed****Matrix Type: Potable Water**

Cyanide

**Method: SM4500H-B,18Ed****Matrix Type: Potable Water**

Hydrogen ion (pH)

**Method: SM5310C,20Ed****Matrix Type: Potable Water**

Total Organic Carbon (TOC)

**Method: USEPA150.1****Matrix Type: Potable Water**

Hydrogen ion (pH)

**Method: USEPA200.7R4.4****Matrix Type: Potable Water**

Aluminum

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Copper

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---

**FOT Name: Drinking Water, Inorganic**

**Method: USEPA200.7R4.4**

**Matrix Type: Potable Water**

Iron

Hardness (calc.)

Manganese

Magnesium

Silver

Nickel

Zinc

Sodium

**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: USEPA245.2**

**Matrix Type: Potable Water**

Mercury

**Method: USEPA300.0R2.1**

**Matrix Type: Potable Water**

Chloride

Fluoride

Nitrate

Nitrite

Orthophosphate as P

Sulfate

**FOT Name: Drinking Water, Organic**

**Method: USEPA524.2R4.1**

**Matrix Type: Potable Water**

1,1,1-Trichloroethane

1,1,2-Trichloroethane

1,1-Dichloroethene

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

1,4-Dichlorobenzene

Benzene

Bromodichloromethane

Bromoform

Carbon tetrachloride

Chlorobenzene

Chlorodibromomethane

Chloroform

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---

**FOT Name: Drinking Water, Organic**

**Method: USEPA524.2R4.1**

**Matrix Type: Potable Water**

Dichloromethane (Methylene chloride)  
Methyl tert-butyl ether (MTBE)  
Styrene  
Toluene  
trans-1,2-Dichloroethene  
Vinyl chloride

cis-1,2-Dichloroethene  
Ethylbenzene  
Naphthalene  
Tetrachloroethene  
Total trihalomethanes  
Trichloroethylene  
Xylenes (total)

**FOT Name: Non Potable Water, Inorganic**

**Method: SM2130B,2001**

**Matrix Type: NPW/SCM**

Turbidity

**Method: SM2310B,1997**

**Matrix Type: NPW/SCM**

Acidity

**Method: SM2320B,1997**

**Matrix Type: NPW**

Alkalinity

**Method: SM2340B,1997**

**Matrix Type: NPW**

Hardness

**Method: SM2540B,1997**

**Matrix Type: NPW**

Residue (Total)

**Method: SM2540C,1997**

**Matrix Type: NPW**

Residue (TDS)

**Method: SM2540D,1997**

**Matrix Type: NPW**

Residue (TSS)

**Method: SM3500Cr-B,2009**

**Matrix Type: NPW/SCM**

Chromium VI

**Method: SM4110B,2000**

**Matrix Type: NPW/SCM**

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---

<b>FOT Name: Non Potable Water, Inorganic</b>	<b>Method: SM4110B,2000</b>
Matrix Type: NPW/SCM	Bromide
Chloride	Fluoride
Nitrate	Nitrate-Nitrite (as N)
Nitrite	Orthophosphate (as P)
Sulfate	
<b>Method: SM4500Cl-G,2000</b>	
Matrix Type: NPW	
Chlorine, Total Residual	
<b>Method: SM4500CN-E,1999</b>	
Matrix Type: NPW	
Cyanide	
<b>Method: SM4500H-B,2000</b>	
Matrix Type: NPW	
Hydrogen Ion (pH)	
<b>Method: SM4500NH3-D,1997</b>	
Matrix Type: NPW/SCM	
Ammonia	Total Kjeldahl Nitrogen
<b>Method: SM4500NH3-G,1997</b>	
Matrix Type: NPW	
Ammonia	
<b>Method: SM4500O-G,2001</b>	
Matrix Type: NPW	
Oxygen - Dissolved	
<b>Method: SM4500P-E,1999</b>	
Matrix Type: NPW	
Orthophosphate (as P)	Phosphorus
<b>Method: SM4500P-F,1999</b>	
Matrix Type: NPW	
Orthophosphate (as P)	
<b>Method: SM4500S2-F,2000</b>	
Matrix Type: NPW/SCM	
Sulfide	
<b>Method: SM5210B,2001</b>	
Matrix Type: NPW	

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**FOT Name: Non Potable Water, Inorganic**

**Method: SM5210B,2001**

**Matrix Type: NPW**

Biochemical Oxygen Demand (BOD)

**Matrix Type: NPW/SCM**

Carbonaceous Biochemical Oxygen Demand (CBO)

**Method: SM5220D,1997**

**Matrix Type: NPW**

Chemical Oxygen Demand (COD)

**Method: SM5310C,2000**

**Matrix Type: NPW**

Total Organic Carbon (TOC)

**Method: USEPA160.4,1971**

**Matrix Type: NPW**

Residue (Volatile)

**Method: USEPA1664A**

**Matrix Type: NPW**

Oil and Grease

**Method: USEPA180.1R2.0,1993**

**Matrix Type: NPW**

Turbidity

**Method: USEPA200.7,1994**

**Matrix Type: NPW/SCM**

Aluminum

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium

Silver

Sodium

Thallium

Tin

Titanium

Vanadium

Zinc

**Method: USEPA200.8,1994**

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**FOT Name: Non Potable Water, Inorganic**

**Method: USEPA200.8,1994**

**Matrix Type: NPW/SCM**

Aluminum

Arsenic

Beryllium

Cadmium

Chromium

Copper

Lead

Manganese

Nickel

Selenium

Sodium

Tin

Vanadium

Antimony

Barium

Boron

Calcium

Cobalt

Iron

Magnesium

Molybdenum

Potassium

Silver

Thallium

Titanium

Zinc

**Method: USEPA245.2,1974**

**Matrix Type: NPW/SCM**

Mercury

**Method: USEPA300.0R2.1,1993**

**Matrix Type: NPW**

Bromide

Fluoride

Nitrate-Nitrite (as N)

Orthophosphate (as P)

Chloride

Nitrate

Nitrite

Sulfate

**Method: USEPA350.1R2.0,1993**

**Matrix Type: NPW**

Ammonia

**Method: USEPA365.1R2.0,1993**

**Matrix Type: NPW**

Orthophosphate (as P)

**Method: USEPA410.4R2.0,1993**

**Matrix Type: NPW**

Chemical Oxygen Demand (COD)

**Method: USEPA420.1,1978**

**Matrix Type: NPW**

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---

**FOT Name:** Non Potable Water, Inorganic **Method:** USEPA420.1,1978

**Matrix Type:** NPW

Phenolics

**Method:** USEPA420.4R1.0,1993

**Matrix Type:** NPW

Phenolics

**FOT Name:** Solid and Chemical Materials, Inorganic

**Method:** 1010A

**Matrix Type:** NPW/SCM

Ignitability

**Method:** 1311

**Matrix Type:** SCM

TCLP (Organic and Inorganic)

**Method:** 1312

**Matrix Type:** SCM

Synthetic Precipitation Leaching Procedure

**Method:** 6010B

**Matrix Type:** NPW/SCM

Antimony

Arsenic

Barium

Beryllium

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Lead

Magnesium

Manganese

Molybdenum

Nickel

Potassium

Selenium

Silver

Sodium

Strontium

Thallium

Tin

Titanium

Vanadium

Zinc

**Method:** 6020A

**Matrix Type:** NPW/SCM

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron



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---

**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 6020A**

**Matrix Type: NPW/SCM**

Calcium  
Cobalt  
Iron  
Magnesium  
Mercury  
Nickel  
Selenium  
Sodium  
Vanadium

Cadmium  
Chromium  
Copper  
Lead  
Manganese  
Molybdenum  
Potassium  
Silver  
Thallium  
Zinc

**Method: 7196A**

**Matrix Type: NPW/SCM**

Chromium VI

**Method: 7470A**

**Matrix Type: NPW**

Mercury

**Method: 7471B**

**Matrix Type: SCM**

Mercury

**Method: 9014**

**Matrix Type: NPW/SCM**

Cyanide

**Method: 9034**

**Matrix Type: NPW/SCM**

Sulfides

**Method: 9040B**

**Matrix Type: NPW**

Hydrogen Ion (pH)

**Method: 9040C**

**Matrix Type: NPW**

Hydrogen Ion (pH)

**Method: 9045C**

**Matrix Type: SCM**

Hydrogen Ion (pH)

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**FOT Name: Solid and Chemical Materials, Inorganic**

**Method: 9045D**

**Matrix Type: SCM**

Hydrogen Ion (pH)

**Method: 9056A**

**Matrix Type: NPW/SCM**

Bromide

Chloride

Fluoride

Nitrate

Nitrite

Phosphate

Sulfate

**Method: 9065**

**Matrix Type: NPW/SCM**

Phenolics

**Method: 9081**

**Matrix Type: NPW/SCM**

Cation-exchange Capacity

**Method: 9095A**

**Matrix Type: NPW/SCM**

Paint Filter

**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8015B**

**Matrix Type: NPW/SCM**

Diesel range organics (DRO)

Gasoline range organics (GRO)

**Method: 8081A**

**Matrix Type: NPW/SCM**

4,4'-DDD

4,4'-DDE

4,4'-DDT

Aldrin

alpha-BHC

alpha-Chlordane

beta-BHC

Chlordane - not otherwise specified

delta-BHC

Dieldrin

Endosulfan I

Endosulfan II

Endosulfan sulfate

Endrin

Endrin aldehyde

Endrin ketone

gamma-BHC (Lindane)

gamma-Chlordane

Heptachlor

Heptachlor epoxide

Methoxychlor

Toxaphene

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FOT Name: Solid and Chemical Materials, Organic

Method: 8082

**Matrix Type: NPW/SCM**

PCB-1016

PCB-1221

PCB-1232

PCB-1242

PCB-1248

PCB-1254

PCB-1260

**Method: 8260B**

**Matrix Type: NPW/SCM**

1,1,1,2-Tetrachloroethane

1,1,1-Trichloroethane

1,1,2,2-Tetrachloroethane

1,1,2-Trichloroethane

1,1-Dichloroethane

1,1-Dichloroethene

1,1-Dichloropropene

1,2,3-Trichlorobenzene

1,2,3-Trichloropropane

1,2,4-Trichlorobenzene

1,2,4-Trimethylbenzene

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

1,2-Dibromoethane (EDB)

1,2-Dichlorobenzene

1,2-Dichloroethane

1,2-Dichloropropane

1,3,5-Trimethylbenzene

1,3-Dichlorobenzene

1,3-Dichloropropane

1,4-Dichlorobenzene

2,2-Dichloropropane

2-Butanone (Methyl ethyl ketone, MEK)

2-Chloroethyl vinyl ether

2-Chlorotoluene

2-Hexanone

4-Chlorotoluene

4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)

Acetone

Acetonitrile

Acrolein (Propenal)

Acrylonitrile

Benzene

Bromobenzene

Bromochloromethane

Bromodichloromethane

Bromoform

Carbon disulfide

Carbon tetrachloride

Chlorobenzene

Chlorodibromomethane (Dibromochloromethane)

Chloroethane

Chloroform

Chloromethane

cis-1,2-Dichloroethene

Dichlorodifluoromethane

Dichloromethane (Methylene chloride)

Ethylbenzene

Hexachlorobutadiene

Isopropylbenzene

Methyl-t-butyl ether

Naphthalene

n-Butylbenzene

n-Propylbenzene

p-Isopropyltoluene

sec-Butylbenzene

Styrene

**State of Illinois**  
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Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Organic

Method: 8260B

**Matrix Type: NPW/SCM**

Tetrachloroethene  
trans-1,2-Dichloroethene  
Trichlorofluoromethane  
Vinyl chloride

tert-Butylbenzene  
Toluene  
Trichloroethene  
Vinyl acetate  
Xylenes (Total)

**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-Nitroaniline  
3,3'-Dichlorobenzidine  
4,6-Dinitro-2-methylphenol  
4-Chloro-3-methylphenol  
4-Chlorophenyl phenyl ether  
4-Nitroaniline  
Acenaphthene  
Anthracene  
Benzo(a)pyrene  
Benzo(g,h,i)perylene  
Bis(2-chloroethoxy) methane  
Bis(2-ethylhexyl) phthalate  
Carbazole  
Chlorobenzilate  
Dibenz(a,h)anthracene  
Diethyl phthalate  
Di-n-butyl phthalate  
Fluoranthene  
Hexachlorobenzene  
Hexachlorocyclopentadiene

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-Methylphenol (o-Cresol)  
2-Nitrophenol  
3-Nitroaniline  
4-Bromophenyl phenyl ether  
4-Chloroaniline  
4-Methylphenol (p-Cresol)  
4-Nitrophenol  
Acenaphthylene  
Benzo(a)anthracene  
Benzo(b)fluoranthene  
Benzo(k)fluoranthene  
Bis(2-chloroethyl) ether  
Butyl benzyl phthalate  
Carbofuran (Furaden)  
Chrysene  
Dibenzofuran  
Dimethyl phthalate  
Di-n-octyl phthalate  
Fluorene  
Hexachlorobutadiene  
Hexachloroethane

**State of Illinois**  
**Environmental Protection Agency**  
**Awards the Certificate of Approval**

Certificate No.: 004302

PDC- Springfield  
1210 Capital Airport Drive  
Springfield, IL 62707-8413

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**FOT Name: Solid and Chemical Materials, Organic**

**Method: 8270C**

**Matrix Type: NPW/SCM**

Isophorone  
Nitrobenzene  
N-Nitrosodi-n-propylamine  
o-Cresol (2-Methylphenol)  
Pentachlorophenol  
Phenol

Indeno(1,2,3-cd) pyrene  
Naphthalene  
N-Nitrosodimethylamine  
N-Nitrosodiphenylamine  
p-Cresol (4-Methylphenol)  
Phenanthrene  
Pyrene

**Method: 8270C Mod\_Farm Chemicals**

**Matrix Type: NPW/SCM**

Acetochlor  
Atrazine  
Chlorpyrifos  
EPTC  
Metribuzin  
Prometon  
Terbufos

Alachlor  
Butylate  
Cyanazine  
Metolachlor  
Pendimethalin  
Simazine  
Trifluralin

**Method: 8321B**

**Matrix Type: NPW/SCM**

2,4,5-T  
2,4-D  
Aldicarb (Temik)  
Dalapon  
Dinoseb  
MCPA

2,4,5-TP (Silvex)  
2,4-DB  
Carbofuran (Furaden)  
Dicamba  
MCPA  
Oxamyl



