PRINCIPALS: 625-5105

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.frnkln.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 5th 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 5th 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 24th)	Concentration (February 14th)
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

Sample Location Description	Fixture Type	Concentration (August 24th)	Concentration (February 14th)
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.

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.

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,

Jason D. Henry
District Superintendent

Water Quality Program

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

IDEAL ENVIRONMENTAL ENGINEERING, INC.

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 5th 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.

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.

Table 1.1 Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
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

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

Table 1.2: All Re-Test Results

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

Table 1.2 Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
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

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				

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

Table 2.1: Re-Test Results over 2 ppb

Table 2.1 Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
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

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

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

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,

Christina E. Pierce
Project Manager

Certifications: NELAP/NELAC - IL #100323

PDC Laboratories, Inc. **Date:** 3/1/2018

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
Project: Sesser Elementary, Jr High & High School **Lab Order:** 18B0338

Client Sample ID: SS 01 AR **Lab ID:** 18B0338-01
Collection Date: 2/14/18 7:10 **Matrix:** Drinking Water

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.
Project: Sesser Elementary, Jr High & High School **Lab Order:** 18B0338

Client Sample ID: SS 07 AR **Lab ID:** 18B0338-07
Collection Date: 2/14/18 6:01 **Matrix:** Drinking Water

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.
Project: Sesser Elementary, Jr High & High School **Lab Order:** 18B0338

Client Sample ID: SS 10 AR **Lab ID:** 18B0338-13
Collection Date: 2/14/18 6:50 **Matrix:** Drinking Water

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 **Lab Order:** 18B0338

Client Sample ID: SS 17 AR **Lab ID:** 18B0338-19
Collection Date: 2/14/18 6:27 **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 **Lab ID:** 18B0338-20
Collection Date: 2/14/18 6:28 **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 **Lab ID:** 18B0338-21
Collection Date: 2/14/18 6:30 **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 11:25	EPA200.8 R5.	LAH

Client Sample ID: SS 18 BR **Lab ID:** 18B0338-22
Collection Date: 2/14/18 6:31 **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 **Lab ID:** 18B0338-23
Collection Date: 2/14/18 6:21 **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 11:40	EPA200.8 R5.	LAH

Client Sample ID: SS 19 BR **Lab ID:** 18B0338-24
Collection Date: 2/14/18 6:22 **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 **Lab Order:** 18B0338

Client Sample ID: SS 20 AR **Lab ID:** 18B0338-25
Collection Date: 2/14/18 6:23 **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 11:45	EPA200.8 R5.	LAH

Client Sample ID: SS 20 BR **Lab ID:** 18B0338-26
Collection Date: 2/14/18 6:24 **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 **Lab ID:** 18B0338-27
Collection Date: 2/14/18 6:08 **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 **Lab ID:** 18B0338-28
Collection Date: 2/14/18 6:09 **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 **Lab ID:** 18B0338-29
Collection Date: 2/14/18 6:12 **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 **Lab ID:** 18B0338-30
Collection Date: 2/14/18 6:13 **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 **Lab Order:** 18B0338

Client Sample ID: SS 23 AR **Lab ID:** 18B0338-31
Collection Date: 2/14/18 6:14 **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 **Lab ID:** 18B0338-32
Collection Date: 2/14/18 6:15 **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 **Lab ID:** 18B0338-33
Collection Date: 2/14/18 6:16 **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 **Lab ID:** 18B0338-34
Collection Date: 2/14/18 6:17 **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 **Lab ID:** 18B0338-35
Collection Date: 2/14/18 6:18 **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 **Lab ID:** 18B0338-36
Collection Date: 2/14/18 6:19 **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.
Project: Sesser Elementary, Jr High & High School **Lab Order:** 18B0338

Client Sample ID: SS 27 AR **Lab ID:** 18B0338-37
Collection Date: 2/14/18 5:50 **Matrix:** Drinking Water

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.
Project: Sesser Elementary, Jr High & High School **Lab Order:** 18B0338

Client Sample ID: SS 30 AR **Lab ID:** 18B0338-43
Collection Date: 2/14/18 6:41 **Matrix:** Drinking Water

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.
Project: Sesser Elementary, Jr High & High School **Lab Order:** 18B0338

Client Sample ID: SS 33 AR **Lab ID:** 18B0338-49
Collection Date: 2/14/18 5:30 **Matrix:** Drinking Water

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

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
Project: Sesser Elementary, Jr High & High School **Lab Order:** 18B0338

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) 651-2604 - Facsimile (847) 458-9680
Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152

Prairie Analytical Systems, INCORPORATED
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
ISBE ID	21-028-1960-26-0001
Contact/E-Mail Address	Central Office Staff / leadinwater@idealenvironmental.com

Miscellaneous: # of sources / # of samples: 26/52; Date Water Last Used: 2-13-18; Time Water Last Used: 930P

Sample ID	Sample Location Description	Sample Date	Sample Time		Fixture Type DF=Drinking Fountain, S=Sink, WF=Water Cooler, KS=Kitchen Sink, BF=Bottle Filler, O=Other)	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
SS01AR	Room 132 [illegible]	2-14-18	710A		S		SS	yes	1		
SS01BR	↓		711A		S		SS		2		
SS04AR	Elem. South Hall		706A		DF	L	SS		1		Elkay
SS04BR	↓		707A		DF	L	SS		2		
SS06AR	Elem North Hall		658A		DF	Mid.	SS		1		
SS06BR	↓		659A		DF	Mid.	SS		2		
SS07AR	Elem North Hall		601A		DF	L	SS		1		
SS07BR	↓		602A		DF	L	SS		2		
SS08AR	Room 172		647A		DF		SS		1		Elkay
SS08BR	↓		648A		DF		SS		2		
SS09AR	Room 173		652A		DF		SS		1		
SS09BR	↓		653A		DF		SS		2		

Matrix: Drinking Water | **Preservative:** None | **Analysis/Method Requested:** Lead

Relinquished By	Date	Time	Received By	Date		Method of Shipment
Collected By [signature]	2-15-18	415pm	IDEAL Lead in Water Dept., [signature]	2/16/18		
IDEAL Lead in Water Dept., [signature]	2/16/18	8:20A				
			[signature]	2-16-18	8:20	[signature]

Special Instructions:

Turnaround Time: Standard ☒ Rush ☐ ☐No

Temperature (°C): 17.0

Lab - 25671L

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

Revision 4
March 3, 2017

APPENDIX A

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

Prairie Analytical Systems, INCORPORATED
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
ISBE ID	21-028-1960-26-0001
Contact/E-Mail Address	Central Office Staff / leadinwater@idealenvironmental.com

Miscellaneous: # of sources / # of samples: 26 | 52; Date Water Last Used: 2-13-18; Time Water Last Used: 930P

Sample ID	Sample Location Description	Sample Date	Sample Time		Fixture Type DF=Drinking Fountain, S=Sink, WF=Water Cooler, KS=Kitchen Sink, BF=Bottle Filler, O=Other)	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
SS10AR	Room 172	1-14-18	650A		S		SS	yes	1		
SS10BR	↓		651A		S		SS		2		
SS11AR	Room 173		655A		S		SS		1		
SS11BR	↓		656A		S		SS		2		
SS16AR	Jr High West Hall		633A		DF		SS		1		Elkay
SS16BR	↓		634A		DF		SS		2		↓
SS17AR	HS Hall		627A		DF	L	SS		1		Elkay
SS17BR			628A		DF	L	SS		2		
SS18AR			630A		DF	R	SS		1		
SS18BR	↓		631A		DF	R	SS		2		
SS19AR	Jr HS North Hall		621A		DF	L	SS		1		
SS19BR	↓		622A		DF	L	SS		2		

Matrix: Drinking Water | **Preservative:** None | **Analysis/Method Requested:** Lead

Relinquished By	Date	Time	Received By	Date		Method of Shipment
Collected By: [signature]	2-15-18	415pm	IDEAL Lead in Water Dept., [signature]	2/16/18		
IDEAL Lead in Water Dept.,			[signature]	2-16-18	8:20	[signature]

Special Instructions:

Turnaround Time: Standard ☒ Rush ☐ ☐ No

Temperature (°C): 17.0

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

Revision 4
March 3, 2017

APPENDIX A

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

Prairie Analytical Systems, INCORPORATED
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
ISBE ID	21-028-1960-26-0001
Contact/E-Mail Address	Central Office Staff / leadinwater@idealenvironmental.com

Miscellaneous: # of sources / # of samples: 26/52; Date Water Last Used: 2-13-18; Time Water Last Used: 930P

Sample ID	Sample Location Description	Sample Date	Sample Time		Fixture Type DF=Drinking Fountain, S=Sink, WF=Water Cooler, KS=Kitchen Sink, BF=Bottle Filler, O=Other)	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
SS20A R	Jr High North Hall	2-14-18	623A		DF	R	SS	yes	1		Elkay
SS20B R	↓		624A		DF	R	SS		2		↓
SS21AR	Home Ec West		608A		S		SD		1		
SS21BR	↓		609A		S		SD		2		
SS22AR	Home Ec Northwest		612A		S		SD		1		
SS22BR	↓		613A		S		SD		2		
SS23AR	Home Ec Northeast		614A		S		SD		1		
SS23BR	↓		615A		S		SD		2		
SS24AR	Home Ec East		616A		S		SD		1		
SS24BR	↓		617A		S		SD		2		
SS25AR	Home Ec SouthEast		618A		S		SD		1		
SS25BR	↓	↓	619A		S		SD	↓	2		

Matrix: Drinking Water | **Preservative:** None | **Analysis/Method Requested:** Lead

Relinquished By	Date	Time	Received By	Date		Method of Shipment
Collected By: [signature]	2-15-18	4:15pm	IDEAL Lead in Water Dept., [signature]	2/16/18		
IDEAL Lead in Water Dept.,			[signature]	2-16-18	8:20	[signature]

Special Instructions:

Turnaround Time: Standard ☒ Rush ☐ ☐No

Temperature (°C): 17.0

Copies: White - Client / Yellow - PAS, Inc. / Pink - Sampler
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March 3, 2017

APPENDIX A

Chain of Custody Record

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City, State, Zip Code	Bloomington, IL 61704
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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
ISBE ID	21-028-1960-26-0001
Contact/E-Mail Address	Central Office Staff / leadinwater@idealenvironmental.com

Miscellaneous: # of sources / # of samples: 26152; Date Water Last Used: 2-13-18; Time Water Last Used: 930P

Sample ID	Sample Location Description	Sample Date	Sample Time		Fixture Type DF=Drinking Fountain, S=Sink, WF=Water Cooler, KS=Kitchen Sink, BF=Bottle Filler, O=Other)	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 Skillet Station	2-14-18	550A		S		SS	yes	1		
SS27BR	↓		551A		S		SS		2		
SS28AR	Kitchen Dish Sink West (South)		554A		KS		SD		1		
SS28BR	↓		555A		KS		SD		2		
SS29AR	Art Room Hall		639A		DF	L	SS		1		Elkay
SS29BR	↓		640A		DF	L	SS		2		
SS30AR	Art Room Hall		641A		DF	R	SS		1		
SS30BR	↓		642A		DF	R	SS		2		
SS31AR	Girls Locker Room		559A		DF		SS		1		
SS31BR	↓		600A		DF		SS		2		
SS32AR	Ag Shop		602A		DF		SS		1		
SS32BR	↓		603A		DF		SS		2		

Matrix: Drinking Water | **Preservative:** None | **Analysis/Method Requested:** Lead

Relinquished By	Date	Time	Received By	Date		Method of Shipment
Collected By: [signature]	2-15-18	4:15 PM	IDEAL Lead in Water Dept., [signature]	2/16/18		
IDEAL Lead in Water Dept.,			[signature]	2-16-18	8:20	[signature]

Special Instructions:

Turnaround Time: Standard ☒ Rush ☐ ☐ No

Temperature (°C): 17.0

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

Revision 4
March 3, 2017

APPENDIX A

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
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Phone / Facsimile	309-828-4259 / 309-828-5735
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ISBE ID	21-028-1960-26-0001
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Miscellaneous: # of sources / # of samples: 26152; Date Water Last Used: 2-13-18; Time Water Last Used: 930p

Sample ID	Sample Location Description	Sample Date	Sample Time		Fixture Type DF=Drinking Fountain, S=Sink, WF=Water Cooler, KS=Kitchen Sink, BF=Bottle Filler, O=Other)	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
SS33AR	Kitchen Sink	2-14-18	530A		KS	L	SD	yes	1		
SS33BR	"		531A		KS	L	SD		2		
SS34AR	Kitchen sink		532A		KS	R	SD		1		
SS34BR	"		533A		KS	R	SD		2		

Matrix: Drinking Water | **Preservative:** None | **Analysis/Method Requested:** Lead

Relinquished By	Date	Time	Received By	Date		Method of Shipment
Collected By: Cyndi Walkel	2-15-18		IDEAL Lead in Water Dept.,	2/16/18		
IDEAL Lead in Water Dept.,				2-16-18	8:20	

Special Instructions:

Turnaround Time: Standard ☒ Rush ☐ ☐No

Temperature (°C): 17.0

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

Revision 4
March 3, 2017

APPENDIX A

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.

Celeste M. Crowley
Acting Manager
Environmental Laboratory Accreditation Program

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.

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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

- Hardness (calc.)
- Iron
- Magnesium
- Manganese
- Nickel
- Silver
- 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: USEPA245.2

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

Matrix Type: Potable Water

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

Method: USEPA524.2R4.1

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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1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW/SCM

Chloride
Nitrate
Nitrite
Sulfate

Method: SM4500Cl-G,2000

Matrix Type: NPW

Chlorine, Total Residual

Method: SM4500CN-E,1999

Matrix Type: NPW

Cyanide

Method: SM4500H-B,2000

Matrix Type: NPW

Hydrogen Ion (pH)

Method: SM4500NH3-D,1997

Matrix Type: NPW/SCM

Ammonia

Method: SM4500NH3-G,1997

Matrix Type: NPW

Ammonia

Method: SM4500O-G,2001

Matrix Type: NPW

Oxygen - Dissolved

Method: SM4500P-E,1999

Matrix Type: NPW

Orthophosphate (as P)

Method: SM4500P-F,1999

Matrix Type: NPW

Orthophosphate (as P)

Method: SM4500S2-F,2000

Matrix Type: NPW/SCM

Sulfide

Method: SM5210B,2001

Matrix Type: NPW

Method: SM4110B,2000

Bromide
Fluoride
Nitrate-Nitrite (as N)
Orthophosphate (as P)

Total Kjeldahl Nitrogen

Phosphorus

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FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW

Matrix Type: NPW/SCM

Carbonaceous Biochemical Oxygen Demand (CBOI

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

Method: SM5210B,2001

Biochemical Oxygen Demand (BOD)

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Springfield, IL 62707-8413

FOT Name: Non Potable Water, Inorganic

Method: USEPA200.8,1994

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
Tin	Titanium
Vanadium	Zinc

Method: USEPA245.2,1974

Matrix Type: NPW/SCM

Mercury

Method: USEPA300.0R2.1,1993

Matrix Type: NPW

Bromide	Chloride
Fluoride	Nitrate
Nitrate-Nitrite (as N)	Nitrite
Orthophosphate (as P)	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

Matrix Type: NPW

Method: USEPA420.4R1.0,1993

Matrix Type: NPW

Phenolics

Method: USEPA420.1,1978

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

Matrix Type: NPW/SCM

Calcium
Cobalt
Iron
Magnesium
Mercury
Nickel
Selenium
Sodium
Vanadium

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)

Method: 6020A

Cadmium
Chromium
Copper
Lead
Manganese
Molybdenum
Potassium
Silver
Thallium
Zinc

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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
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004302

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

FOT Name: Solid and Chemical Materials, Organic

Matrix Type: NPW/SCM

Tetrachloroethene
trans-1,2-Dichloroethene
Trichlorofluoromethane
Vinyl chloride

Method: 8260B

tert-Butylbenzene
Toluene
Trichloroethene
Vinyl acetate
Xylenes (Total)

Method: 8270C

Matrix Type: NPW/SCM

1,2,4-Trichlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2,2-Oxybis (1-chloropropane)
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-Methylnaphthalene
2-Methylphenol (o-Cresol)
2-Nitroaniline
2-Nitrophenol
3,3'-Dichlorobenzidine
3-Nitroaniline
4,6-Dinitro-2-methylphenol
4-Bromophenyl phenyl ether
4-Chloro-3-methylphenol
4-Chloroaniline
4-Chlorophenyl phenyl ether
4-Methylphenol (p-Cresol)
4-Nitroaniline
4-Nitrophenol
Acenaphthene
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(a)pyrene
Benzo(b)fluoranthene
Benzo(g,h,i)perlyene
Benzo(k)fluoranthene
Bis(2-chloroethoxy) methane
Bis(2-chloroethyl) ether
Bis(2-ethylhexyl) phthalate
Butyl benzyl phthalate
Carbazole
Carbofuran (Furaden)
Chlorobenzilate
Chrysene
Dibenz(a,h)anthracene
Dibenzofuran
Diethyl phthalate
Dimethyl phthalate
Di-n-butyl phthalate
Di-n-octyl phthalate
Fluoranthene
Fluorene
Hexachlorobenzene
Hexachlorobutadiene
Hexachlorocyclopentadiene
Hexachloroethane

State of Illinois
Environmental Protection Agency

Certificate No.: 004302

Awards the Certificate of Approval

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

FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW/SCM

Isophorone	Indeno(1,2,3-cd) pyrene
Nitrobenzene	Naphthalene
N-Nitrosodi-n-propylamine	N-Nitrosodimethylamine
o-Cresol (2-Methylphenol)	N-Nitrosodiphenylamine
Pentachlorophenol	p-Cresol (4-Methylphenol)
Phenol	Phenanthrene
	Pyrene

Method: 8270C Mod_Farm Chemicals

Matrix Type: NPW/SCM

Acetochlor	Alachlor
Atrazine	Butylate
Chlorpyrifos	Cyanazine
EPTC	Metolachlor
Metribuzin	Pendimethalin
Prometon	Simazine
Terbufos	Trifluralin

Method: 8321B

Matrix Type: NPW/SCM

2,4,5-T	2,4,5-TP (Silvex)
2,4-D	2,4-DB
Aldicarb (Temik)	Carbofuran (Furaden)
Dalapon	Dicamba
Dinoseb	MCPA
MCPP	Oxamyl

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