



Lead Testing in Drinking Water

Site:
Dakota Elementary School
400 Campus Drive
Dakota, IL 61018

Local Education Agency:
Dakota C.U.S.D. 201

Completion Date:
September 29, 2017



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 September 29, 2017, Ideal Environmental Engineering (IDEAL) performed water sampling at Dakota Elementary School in Dakota, IL at the request of the LEA. The water source locations were provided to IDEAL by the LEA.

Purpose of Sampling

Dakota Elementary School 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 099-0922.

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

66 water samples were collected from 33 sources. All results are shown in Table 1.1.

Table 1.1

Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
DS-1	North Day Care Room 1 - Left	S - Sink	First Draw	4.26 ppb
DF-1	North Day Care Room 1 - Left	S - Sink	Flush	ND
DS-2	North Day Care Room 1 - Right	S - Sink	First Draw	3.37 ppb
DF-2	North Day Care Room 1 - Right	S - Sink	Flush	ND
DS-3	South Day Care Room 1 - Left	S - Sink	First Draw	ND
DF-3	South Day Care Room 1 - Left	S - Sink	Flush	ND
DS-4	South Day Care Room 1 - Center	S - Sink	First Draw	ND
DF-4	South Day Care Room 1 - Center	S - Sink	Flush	ND
DS-5	South Day Care Room 1 - Right	S - Sink	First Draw	ND
DF-5	South Day Care Room 1 - Right	S - Sink	Flush	ND
DS-6	South Day Care Room 1	DF - Drinking Fountain	First Draw	ND
DF-6	South Day Care Room 1	DF - Drinking Fountain	Flush	ND
DS-7	South Day Care Room 1 - Restroom	S - Sink	First Draw	ND
DF-7	South Day Care Room 1 - Restroom	S - Sink	Flush	ND
DS-8	Kindergarten Room 2	S - Sink	First Draw	2.01 ppb
DF-8	Kindergarten Room 2	S - Sink	Flush	ND
DS-9	Kindergarten Room 3	S - Sink	First Draw	2.14 ppb
DF-9	Kindergarten Room 3	S - Sink	Flush	ND
DS-10	Kindergarten Hall - Left-Upper	DF - Drinking Fountain	First Draw	ND
DF-10	Kindergarten Hall - Left-Upper	DF - Drinking Fountain	Flush	ND
DS-11	Kindergarten Hall - Right-Lower	DF - Drinking Fountain	First Draw	ND
DF-11	Kindergarten Hall - Right-Lower	DF - Drinking Fountain	Flush	ND
DS-12	Kindergarten Room 4	S - Sink	First Draw	ND
DF-12	Kindergarten Room 4	S - Sink	Flush	ND
DS-13	Early Childhood Room 5	S - Sink	First Draw	ND
DF-13	Early Childhood Room 5	S - Sink	Flush	ND
DS-14	Day Care School Age Room 6 - Left	S - Sink	First Draw	12.2 ppb
DF-14	Day Care School Age Room 6 - Left	S - Sink	Flush	12.4 ppb
DS-15	Day Care School Age Room 6 - Right	S - Sink	First Draw	12.4 ppb
DF-15	Day Care School Age Room 6 - Right	S - Sink	Flush	10.9 ppb
DS-16	PT Room 7	S - Sink	First Draw	13.3 ppb
DF-16	PT Room 7	S - Sink	Flush	2.13 ppb



Lead Testing in Drinking Water

Dakota Elementary School

Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
DS-17	Corridor by Room 9	DF - Drinking Fountain	First Draw	ND
DF-17	Corridor by Room 9	DF - Drinking Fountain	Flush	ND
DS-18	Kitchen	KS - Kitchen Sink	First Draw	9.99 ppb
DF-18	Kitchen	KS - Kitchen Sink	Flush	6.71 ppb
DS-19	Kitchen - Pot Filler	O - Other	First Draw	13.6 ppb
DF-19	Kitchen - Pot Filler	O - Other	Flush	ND
DS-20	Kitchen - Eye Wash	O - Other	First Draw	10.3 ppb
DF-20	Kitchen - Eye Wash	O - Other	Flush	ND
DS-21	Dishwashing Room - Left	KS - Kitchen Sink	First Draw	12.7 ppb
DF-21	Dishwashing Room - Left	KS - Kitchen Sink	Flush	ND
DS-22	Dishwashing Room - Right	KS - Kitchen Sink	First Draw	50.0 ppb
DF-22	Dishwashing Room - Right	KS - Kitchen Sink	Flush	ND
DS-23	Corridor by Cafeteria - Left	DF - Drinking Fountain	First Draw	17.4 ppb
DF-23	Corridor by Cafeteria - Left	DF - Drinking Fountain	Flush	9.72 ppb
DS-24	Corridor by Cafeteria - Right	DF - Drinking Fountain	First Draw	20.2 ppb
DF-24	Corridor by Cafeteria - Right	DF - Drinking Fountain	Flush	22.6 ppb
DS-25	Nurse Office Restroom	S - Sink	First Draw	ND
DF-25	Nurse Office Restroom	S - Sink	Flush	ND
DS-26	Corridor by Gym - Left-Lower	DF - Drinking Fountain	First Draw	ND
DF-26	Corridor by Gym - Left-Lower	DF - Drinking Fountain	Flush	ND
DS-27	Corridor by Gym - Right-Upper	DF - Drinking Fountain	First Draw	ND
DF-27	Corridor by Gym - Right-Upper	DF - Drinking Fountain	Flush	ND
DS-28	Gym - North - Left-Lower	DF - Drinking Fountain	First Draw	ND
DF-28	Gym - North - Left-Lower	DF - Drinking Fountain	Flush	ND
DS-29	Gym - North - Right-Upper	DF - Drinking Fountain	First Draw	ND
DF-29	Gym - North - Right-Upper	DF - Drinking Fountain	Flush	ND
DS-30	Gym - South - Left-Lower	DF - Drinking Fountain	First Draw	ND
DF-30	Gym - South - Left-Lower	DF - Drinking Fountain	Flush	ND
DS-31	Gym - South - Right-Upper	DF - Drinking Fountain	First Draw	ND
DF-31	Gym - South - Right-Upper	DF - Drinking Fountain	Flush	ND
DS-32	Corridor by Room 28 - Left-Lower	DF - Drinking Fountain	First Draw	ND
DF-32	Corridor by Room 28 - Left-Lower	DF - Drinking Fountain	Flush	ND
DS-33	Corridor by Room 28 - Right-Upper	DF - Drinking Fountain	First Draw	ND
DF-33	Corridor by Room 28 - Right-Upper	DF - Drinking Fountain	Flush	ND

ND = None Detected



Notifications

This building is subject to the Act. Notification as outlined below is not optional.

Notification Requirements:

The Illinois Department of Public Health (IDPH) must be informed of the results. The LEA is also required to provide notification of all water testing results to parents and legal guardians of all enrolled students. Notification can be done, at a minimum, on the school’s website. In addition, when any test result exceeds 5 ppb, individual written or electronic notification is required to be sent to parents and legal guardians of all enrolled students and must include the location and source exceeding 5 ppb, and the USEPA website for information about lead in drinking water: www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water

Based on sample results, the following are notification requirements for this building:

- Submit to IDPH at dph.leadh2O@illinois.gov all sample results as shown in Table 1.1. As a courtesy, this step has been done by IDEAL. Please refer to Appendix A for electronic transmittal(s).
- Provide to parents and legal guardians all sample results as shown in Table 1.1. This can be done, at a minimum, on the school’s website.
- The sample results as identified below in Table 1.2 exceed 5 ppb. Provide individual written or electronic notification to parents and legal guardians of all enrolled students the sample results in Table 1.2. Include in the notification the location and source exceeding 5 ppb, and the USEPA website for information about lead in drinking water: www.epa.gov/ground-water-and-drinking-water/basic-information-about-lead-drinking-water.

Refer to Appendix B for a sample notification letter for results exceeding 5 ppb.

Table 1.2 – Results over 5 ppb

Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
DS-14	Day Care School Age Room 6 - Left	S - Sink	First Draw	12.2 ppb
DF-14	Day Care School Age Room 6 - Left	S - Sink	Flush	12.4 ppb
DS-15	Day Care School Age Room 6 - Right	S - Sink	First Draw	12.4 ppb
DF-15	Day Care School Age Room 6 - Right	S - Sink	Flush	10.9 ppb
DS-16	PT Room 7	S - Sink	First Draw	13.3 ppb
DS-18	Kitchen	KS - Kitchen Sink	First Draw	9.99 ppb
DF-18	Kitchen	KS - Kitchen Sink	Flush	6.71 ppb
DS-19	Kitchen - Pot Filler	O - Other	First Draw	13.6 ppb
DS-20	Kitchen - Eye Wash	O - Other	First Draw	10.3 ppb
DS-21	Dishwashing Room - Left	KS - Kitchen Sink	First Draw	12.7 ppb
DS-22	Dishwashing Room - Right	KS - Kitchen Sink	First Draw	50.0 ppb
DS-23	Corridor by Cafeteria - Left	DF - Drinking Fountain	First Draw	17.4 ppb
DF-23	Corridor by Cafeteria - Left	DF - Drinking Fountain	Flush	9.72 ppb
DS-24	Corridor by Cafeteria - Right	DF - Drinking Fountain	First Draw	20.2 ppb
DF-24	Corridor by Cafeteria - Right	DF - Drinking Fountain	Flush	22.6 ppb



Mitigation

This building is subject to the Act. Mitigation is not optional.

Mitigation Requirements:

IDPH requires mitigation when lead is found in a sample above the detection 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 no lead is present.

Based on sample results, the following are mitigation requirements for this building:

- Samples shown in Table 1.3 were found to contain lead at or above the 2 ppb detection limit. Mitigate all sources identified in Table 1.3, and retest after mitigation is complete.

Refer to IDPH’s website for mitigation strategies:

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

Table 1.3 – Results over 2 ppb

Sample ID	Sample Location Description	Fixture Type	Sample Type	Concentration
DS-1	North Day Care Room 1 - Left	S - Sink	First Draw	4.26 ppb
DS-2	North Day Care Room 1 - Right	S - Sink	First Draw	3.37 ppb
DS-8	Kindergarten Room 2	S - Sink	First Draw	2.01 ppb
DS-9	Kindergarten Room 3	S - Sink	First Draw	2.14 ppb
DS-14	Day Care School Age Room 6 - Left	S - Sink	First Draw	12.2 ppb
DF-14	Day Care School Age Room 6 - Left	S - Sink	Flush	12.4 ppb
DS-15	Day Care School Age Room 6 - Right	S - Sink	First Draw	12.4 ppb
DF-15	Day Care School Age Room 6 - Right	S - Sink	Flush	10.9 ppb
DS-16	PT Room 7	S - Sink	First Draw	13.3 ppb
DF-16	PT Room 7	S - Sink	Flush	2.13 ppb
DS-18	Kitchen	KS - Kitchen Sink	First Draw	9.99 ppb
DF-18	Kitchen	KS - Kitchen Sink	Flush	6.71 ppb
DS-19	Kitchen - Pot Filler	O - Other	First Draw	13.6 ppb
DS-20	Kitchen - Eye Wash	O - Other	First Draw	10.3 ppb
DS-21	Dishwashing Room - Left	KS - Kitchen Sink	First Draw	12.7 ppb
DS-22	Dishwashing Room - Right	KS - Kitchen Sink	First Draw	50.0 ppb
DS-23	Corridor by Cafeteria - Left	DF - Drinking Fountain	First Draw	17.4 ppb
DF-23	Corridor by Cafeteria - Left	DF - Drinking Fountain	Flush	9.72 ppb
DS-24	Corridor by Cafeteria - Right	DF - Drinking Fountain	First Draw	20.2 ppb
DF-24	Corridor by Cafeteria - Right	DF - Drinking Fountain	Flush	22.6 ppb



Water Quality Management Plan

For all schools subject to the Act, regardless of lead results, a Water Quality Management Plan (WQMP) must be developed and maintained.

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 C for the complete analysis report, including chain of custody and laboratory accreditation.

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 receipt of this report.

Please call our office at (800)535-0964 or (309)828-4259 if you have any questions, or if we can be of further assistance with your mitigation, water retesting, the WQMP, or with other environmental services such as asbestos, indoor air quality or bleacher inspections.

Thank you for giving us the opportunity to provide this service to you. We sincerely appreciate the trust and confidence you have in our services.



Paul Weber

From: Paul Weber
Sent: Wednesday, November 01, 2017 8:49 AM
To: 'dph.leadh2O@illinois.gov'
Subject: Lead in Water Results - Dakota CUSD 201
Attachments: J#21267 Dakota Elem Lab Analysis Results.pdf; J#21267 Dakota Elem IDPH Data Report.xlsx; Prairie Analytical Accreditation.pdf

On behalf of Dakota C.U.S.D. 201, lead-in-water laboratory results and laboratory accreditation are attached for the following school(s):

Dakota Elementary School

If you have any questions or need additional information, please do not hesitate to call our office at (800)535-0964

Paul Weber

Ideal Environmental Engineering, Inc.
2904 Tractor Lane
Bloomington, IL 61704
Ph: 309-828-4259 or 800-535-0964
Fax: 309-828-5735
Email: pweber@idealenvironmental.com

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Three-year reinspection reports:

A reinspection report shall not be used to satisfy the requirement for an inspection prior to renovation. NESHAP asbestos regulations require that all renovation areas be inspected for suspect asbestos containing materials by an IDPH-licensed asbestos inspector. All suspect asbestos containing materials in a renovation area must be sampled prior to disturbance. Review of a three-year reinspection report does not meet the requirements for an asbestos inspection prior to building renovation (or demolition) and shall not be used for such purpose.

Sample Notification Letter

<DATE>

Re: Dakota Elementary School – Lead in Drinking Water Notification

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. All sampling results must be submitted to the Illinois Department of Public Health and provided to parents and legal guardians of enrolled students. In addition, if lead is found at levels above 5 parts per billion (ppb), the school district must *individually* notify parents in writing or electronically.

On September 29, 2017, Ideal Environmental Engineering (IDEAL) performed water sampling at Dakota Elementary School in Dakota, IL.

This building was 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 099-0922.

Please go to our website <insert link> to view all the sample results.

The following is notification for sample results found to contain lead levels exceeding 5 ppb.

Sample Location Description	Fixture Type	Concentration
Day Care School Age Room 6 - Left	S - Sink	12.2 ppb
Day Care School Age Room 6 - Left	S - Sink	12.4 ppb
Day Care School Age Room 6 - Right	S - Sink	12.4 ppb
Day Care School Age Room 6 - Right	S - Sink	10.9 ppb
PT Room 7	S - Sink	13.3 ppb
Kitchen	KS - Kitchen Sink	9.99 ppb
Kitchen	KS - Kitchen Sink	6.71 ppb
Kitchen - Pot Filler	O - Other	13.6 ppb
Kitchen - Eye Wash	O - Other	10.3 ppb
Dishwashing Room - Left	KS - Kitchen Sink	12.7 ppb
Dishwashing Room - Right	KS - Kitchen Sink	50.0 ppb
Corridor by Cafeteria - Left	DF - Drinking Fountain	17.4 ppb
Corridor by Cafeteria - Left	DF - Drinking Fountain	9.72 ppb
Corridor by Cafeteria - Right	DF - Drinking Fountain	20.2 ppb
Corridor by Cafeteria - Right	DF - Drinking Fountain	22.6 ppb

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

IDPH requires mitigation for any sample results found above the laboratory detection limit for all schools subject to the Act. IDPH set a minimum detection limit of 2 ppb. Please note this mitigation requirement set by the state is significantly more stringent than the 20 ppb action level recommended by the US EPA for school outlets.

Please be assured that we will continue to take all action necessary to protect student health. Mitigation and water management are in progress. Water outlets are being shut off, and we have already begun to take appropriate remedial action for any levels above the laboratory reporting limit.

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 <school personnel name & phone number>.

Sincerely,

<School Personnel>



Wednesday, October 25, 2017

Central Office Staff
Ideal Environmental Engineering, Inc.
2904 Tractor Lane
Bloomington, IL 61704
TEL: (309) 828-4259
FAX: (309) 828-5735

RE: Dakota CUSD 201/ Dakota Elementary School PAS WO: 17J0224

Prairie Analytical Systems, Inc. received 66 sample(s) on 10/5/2017 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 Prairie Analytical Systems, 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".

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

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School
 Client Sample ID: DS-1
 Collection Date: 9/29/17 3:05

Lab Order: 17J0224
 Lab ID: 17J0224-01
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	4.26	2.00		µg/L	1	10/23/17 12:28	10/24/17 0:36	EPA200.8	JTC

Client Sample ID: DF-1
 Collection Date: 9/29/17 3:06

Lab ID: 17J0224-02
 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	10/23/17 12:28	10/24/17 0:40	EPA200.8	JTC

Client Sample ID: DS-2
 Collection Date: 9/29/17 3:07

Lab ID: 17J0224-03
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	3.37	2.00		µg/L	1	10/23/17 12:28	10/24/17 0:53	EPA200.8	JTC

Client Sample ID: DF-2
 Collection Date: 9/29/17 3:08

Lab ID: 17J0224-04
 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	10/23/17 12:28	10/24/17 0:58	EPA200.8	JTC

Client Sample ID: DS-3
 Collection Date: 9/29/17 3:15

Lab ID: 17J0224-05
 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	10/23/17 12:28	10/24/17 1:02	EPA200.8	JTC

Client Sample ID: DF-3
 Collection Date: 9/29/17 3:16

Lab ID: 17J0224-06
 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	10/23/17 12:28	10/24/17 1:07	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client:	Ideal Environmental Engineering, Inc.		Lab Order:	17J0224					
Project:	Dakota CUSD 201/ Dakota Elementary School		Lab ID:	17J0224-07					
Client Sample ID:	DS-4		Matrix:	Drinking Water					
Collection Date:	9/29/17 3:17								
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	U	2.00		µg/L	1	10/23/17 12:28	10/24/17 1:11	EPA200.8	JTC
Client Sample ID:	DF-4		Lab ID:	17J0224-08					
Collection Date:	9/29/17 3:18		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	10/23/17 12:28	10/24/17 1:35	EPA200.8	JTC
Client Sample ID:	DS-5		Lab ID:	17J0224-09					
Collection Date:	9/29/17 3:19		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	10/23/17 12:28	10/24/17 1:40	EPA200.8	JTC
Client Sample ID:	DF-5		Lab ID:	17J0224-10					
Collection Date:	9/29/17 3:20		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	10/23/17 12:28	10/24/17 1:44	EPA200.8	JTC
Client Sample ID:	DS-6		Lab ID:	17J0224-11					
Collection Date:	9/29/17 3:22		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	10/23/17 12:28	10/24/17 1:49	EPA200.8	JTC
Client Sample ID:	DF-6		Lab ID:	17J0224-12					
Collection Date:	9/29/17 3:23		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	10/23/17 12:30	10/24/17 2:02	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School
 Client Sample ID: DS-7
 Collection Date: 9/29/17 3:24

Lab Order: 17J0224
 Lab ID: 17J0224-13
 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	10/23/17 12:30	10/24/17 2:15	EPA200.8	JTC

Client Sample ID: DF-7
 Collection Date: 9/29/17 3:25

Lab ID: 17J0224-14
 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	10/23/17 12:30	10/24/17 2:35	EPA200.8	JTC

Client Sample ID: DS-8
 Collection Date: 9/29/17 3:31

Lab ID: 17J0224-15
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.01	2.00		µg/L	1	10/23/17 12:30	10/24/17 2:39	EPA200.8	JTC

Client Sample ID: DF-8
 Collection Date: 9/29/17 3:32

Lab ID: 17J0224-16
 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	10/23/17 12:30	10/24/17 2:44	EPA200.8	JTC

Client Sample ID: DS-9
 Collection Date: 9/29/17 3:34

Lab ID: 17J0224-17
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.14	2.00		µg/L	1	10/23/17 12:30	10/24/17 2:48	EPA200.8	JTC

Client Sample ID: DF-9
 Collection Date: 9/29/17 3:35

Lab ID: 17J0224-18
 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	10/23/17 12:30	10/24/17 2:53	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School Lab Order: 17J0224
 Client Sample ID: DS-10 Lab ID: 17J0224-19
 Collection Date: 9/29/17 3:39 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	10/23/17 12:30	10/24/17 2:57	EPA200.8	JTC

Client Sample ID: DF-10 Lab ID: 17J0224-20
 Collection Date: 9/29/17 4:40 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	10/23/17 12:30	10/24/17 3:02	EPA200.8	JTC

Client Sample ID: DS-11 Lab ID: 17J0224-21
 Collection Date: 9/29/17 4:41 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	10/23/17 12:30	10/24/17 3:06	EPA200.8	JTC

Client Sample ID: DF-11 Lab ID: 17J0224-22
 Collection Date: 9/29/17 4:42 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	10/23/17 12:30	10/24/17 3:10	EPA200.8	JTC

Client Sample ID: DS-12 Lab ID: 17J0224-23
 Collection Date: 9/29/17 4:45 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	10/23/17 12:30	10/24/17 3:39	EPA200.8	JTC

Client Sample ID: DF-12 Lab ID: 17J0224-24
 Collection Date: 9/29/17 4:46 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	10/23/17 12:30	10/24/17 3:43	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School
 Client Sample ID: DS-13
 Collection Date: 9/29/17 3:48

Lab Order: 17J0224
 Lab ID: 17J0224-25
 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	10/23/17 12:30	10/24/17 3:47	EPA200.8	JTC

Client Sample ID: DF-13
 Collection Date: 9/29/17 3:49

Lab ID: 17J0224-26
 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	10/23/17 12:30	10/24/17 3:52	EPA200.8	JTC

Client Sample ID: DS-14
 Collection Date: 9/29/17 3:52

Lab ID: 17J0224-27
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	12.2	2.00		µg/L	1	10/23/17 12:30	10/24/17 3:56	EPA200.8	JTC

Client Sample ID: DF-14
 Collection Date: 9/29/17 3:53

Lab ID: 17J0224-28
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	12.4	2.00		µg/L	1	10/23/17 12:30	10/24/17 4:01	EPA200.8	JTC

Client Sample ID: DS-15
 Collection Date: 9/29/17 3:54

Lab ID: 17J0224-29
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	12.4	2.00		µg/L	1	10/23/17 12:30	10/24/17 4:05	EPA200.8	JTC

Client Sample ID: DF-15
 Collection Date: 9/29/17 3:55

Lab ID: 17J0224-30
 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	10.9	2.00		µg/L	1	10/23/17 12:30	10/24/17 4:09	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School Lab Order: 17J0224
 Client Sample ID: DS-16 Lab ID: 17J0224-31
 Collection Date: 9/29/17 3:57 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	13.3	2.00		µg/L	1	10/23/17 12:30	10/24/17 4:14	EPA200.8	JTC

Client Sample ID: DF-16 Lab ID: 17J0224-32
 Collection Date: 9/29/17 3:58 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	2.13	2.00		µg/L	1	10/23/17 12:31	10/24/17 4:47	EPA200.8	JTC

Client Sample ID: DS-17 Lab ID: 17J0224-33
 Collection Date: 9/29/17 4:00 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	10/23/17 12:31	10/24/17 5:00	EPA200.8	JTC

Client Sample ID: DF-17 Lab ID: 17J0224-34
 Collection Date: 9/29/17 4:01 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	10/23/17 12:31	10/24/17 5:05	EPA200.8	JTC

Client Sample ID: DS-18 Lab ID: 17J0224-35
 Collection Date: 9/29/17 4:06 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	9.99	2.00		µg/L	1	10/23/17 12:31	10/24/17 5:09	EPA200.8	JTC

Client Sample ID: DF-18 Lab ID: 17J0224-36
 Collection Date: 9/29/17 4:07 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	6.71	2.00		µg/L	1	10/23/17 12:31	10/24/17 5:13	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client:	Ideal Environmental Engineering, Inc.		Lab Order:	17J0224					
Project:	Dakota CUSD 201/ Dakota Elementary School		Lab ID:	17J0224-37					
Client Sample ID:	DS-19		Matrix:	Drinking Water					
Collection Date:	9/29/17 4:08								
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	13.6	2.00		µg/L	1	10/23/17 12:31	10/24/17 5:18	EPA200.8	JTC
Client Sample ID:	DF-19		Lab ID:	17J0224-38					
Collection Date:	9/29/17 4:09		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	10/23/17 12:31	10/24/17 5:37	EPA200.8	JTC
Client Sample ID:	DS-20		Lab ID:	17J0224-39					
Collection Date:	9/29/17 4:10		Matrix:	Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	10.3	2.00		µg/L	1	10/23/17 12:31	10/24/17 5:41	EPA200.8	JTC
Client Sample ID:	DF-20		Lab ID:	17J0224-40					
Collection Date:	9/29/17 4:11		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	10/23/17 12:31	10/24/17 5:46	EPA200.8	JTC
Client Sample ID:	DS-21		Lab ID:	17J0224-41					
Collection Date:	9/29/17 4:15		Matrix:	Drinking Water					
Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	12.7	2.00		µg/L	1	10/23/17 12:31	10/24/17 5:50	EPA200.8	JTC
Client Sample ID:	DF-21		Lab ID:	17J0224-42					
Collection Date:	9/29/17 4:16		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	10/23/17 12:31	10/24/17 5:55	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School Lab Order: 17J0224
 Client Sample ID: DS-22 Lab ID: 17J0224-43
 Collection Date: 9/29/17 4:17 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	50.0	2.00		µg/L	1	10/23/17 12:31	10/24/17 6:08	EPA200.8	JTC

Client Sample ID: DF-22 Lab ID: 17J0224-44
 Collection Date: 9/29/17 4:18 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	10/23/17 12:31	10/24/17 6:12	EPA200.8	JTC

Client Sample ID: DS-23 Lab ID: 17J0224-45
 Collection Date: 9/29/17 4:24 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	17.4	2.00		µg/L	1	10/23/17 12:31	10/24/17 6:17	EPA200.8	JTC

Client Sample ID: DF-23 Lab ID: 17J0224-46
 Collection Date: 9/29/17 4:25 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	9.72	2.00		µg/L	1	10/23/17 12:31	10/24/17 6:41	EPA200.8	JTC

Client Sample ID: DS-24 Lab ID: 17J0224-47
 Collection Date: 9/29/17 4:26 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	20.2	2.00		µg/L	1	10/23/17 12:31	10/24/17 6:45	EPA200.8	JTC

Client Sample ID: DF-24 Lab ID: 17J0224-48
 Collection Date: 9/29/17 4:27 Matrix: Drinking Water

Analyses	Result	Limit	Qual	Units	DF	Date Prepared	Date Analyzed	Method	Analyst
Metals by ICP-MS									
*Lead	22.6	2.00		µg/L	1	10/23/17 12:31	10/24/17 6:50	EPA200.8	JTC

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School
 Client Sample ID: DS-25
 Collection Date: 9/29/17 4:32

Lab Order: 17J0224
 Lab ID: 17J0224-49
 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	10/23/17 12:31	10/24/17 6:54	EPA200.8	JTC

Client Sample ID: DF-25
 Collection Date: 9/29/17 4:33

Lab ID: 17J0224-50
 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	10/23/17 12:31	10/24/17 6:59	EPA200.8	JTC

Client Sample ID: DS-26
 Collection Date: 9/29/17 4:40

Lab ID: 17J0224-51
 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	10/23/17 12:31	10/24/17 7:03	EPA200.8	JTC

Client Sample ID: DF-26
 Collection Date: 9/29/17 4:41

Lab ID: 17J0224-52
 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	10/23/17 12:32	10/23/17 20:32	EPA200.8	KSH

Client Sample ID: DS-27
 Collection Date: 9/29/17 4:42

Lab ID: 17J0224-53
 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	10/23/17 12:32	10/23/17 20:41	EPA200.8	KSH

Client Sample ID: DF-27
 Collection Date: 9/29/17 4:43

Lab ID: 17J0224-54
 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	10/23/17 12:32	10/23/17 20:44	EPA200.8	KSH

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School
 Client Sample ID: DS-28
 Collection Date: 9/29/17 4:49

Lab Order: 17J0224
 Lab ID: 17J0224-55
 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	10/23/17 12:32	10/23/17 20:47	EPA200.8	KSH

Client Sample ID: DF-28
 Collection Date: 9/29/17 4:50

Lab ID: 17J0224-56
 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	10/23/17 12:32	10/23/17 20:50	EPA200.8	KSH

Client Sample ID: DS-29
 Collection Date: 9/29/17 4:51

Lab ID: 17J0224-57
 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	10/23/17 12:32	10/23/17 21:01	EPA200.8	KSH

Client Sample ID: DF-29
 Collection Date: 9/29/17 4:52

Lab ID: 17J0224-58
 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	10/23/17 12:32	10/23/17 21:04	EPA200.8	KSH

Client Sample ID: DS-30
 Collection Date: 9/29/17 4:58

Lab ID: 17J0224-59
 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	10/23/17 12:32	10/23/17 21:07	EPA200.8	KSH

Client Sample ID: DF-30
 Collection Date: 9/29/17 4:59

Lab ID: 17J0224-60
 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	10/23/17 12:32	10/23/17 21:10	EPA200.8	KSH

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.
 Project: Dakota CUSD 201/ Dakota Elementary School
 Client Sample ID: DS-31
 Collection Date: 9/29/17 5:01

Lab Order: 17J0224
 Lab ID: 17J0224-61
 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	10/23/17 12:32	10/23/17 21:12	EPA200.8	KSH

Client Sample ID: DF-31
 Collection Date: 9/29/17 5:02

Lab ID: 17J0224-62
 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	10/23/17 12:32	10/23/17 21:15	EPA200.8	KSH

Client Sample ID: DS-32
 Collection Date: 9/29/17 5:11

Lab ID: 17J0224-63
 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	10/23/17 12:32	10/23/17 21:24	EPA200.8	KSH

Client Sample ID: DF-32
 Collection Date: 9/29/17 5:12

Lab ID: 17J0224-64
 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	10/23/17 12:32	10/23/17 21:27	EPA200.8	KSH

Client Sample ID: DS-33
 Collection Date: 9/29/17 5:13

Lab ID: 17J0224-65
 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	10/23/17 12:32	10/23/17 21:41	EPA200.8	KSH

Client Sample ID: DF-33
 Collection Date: 9/29/17 5:14

Lab ID: 17J0224-66
 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	10/23/17 12:32	10/23/17 21:44	EPA200.8	KSH

Prairie Analytical Systems, Inc.

Date: 10/25/2017

LABORATORY RESULTS

Client: Ideal Environmental Engineering, Inc.

Project: Dakota CUSD 201/ Dakota Elementary School

Lab Order: 17J0224

Notes and Definitions

- R RPD outside acceptance limits.
- * 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 62707-8480 - Phone (217) 753-1149 - Facsimile (217) 753-1152
 Chicago IL Office - 8114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2804 - Facsimile (847) 458-9680
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



Client / Address: Ideal Environmental Engineering, Inc. / 2804 Tractor Lane
 City, State, Zip Code: Bloomington, IL 61704
 Phone / Facsimile: 309-828-4259 / 309-828-5735
 P.O. (if) / LEA: J# 21267 / Dakota C.U.S.D. 201
 Building Description: Dakota Elementary School
 Address: 400 Campus Drive, Dakota, IL 61018
 SBE ID: 08-0892-010-26-2003
 Contact/E-Mail Address: Central Office Staff / leadinwater@idealenvironmental.com

Sample ID	Sample Location Description	Date	Time	Miscellaneous
DS-1	Day care Rm 1	9-29-17	305A	# of sources / # of samples: 3 / 66
DF-1			306A	Date Water Used: 9/28/17
DS-2			307A	Time Water Used: 7PM
DF-2			308A	Make / Model: ---
DS-3	Day care Rm 1		315A	
DF-3			316A	
DS-4			317A	
DF-4			318A	
DS-5			319A	
DF-5			320A	
DS-6	Day Care Rm 1		322A	
DF-6			323A	

LAB 23331L

Matrix: Drinking Water Preservative: None
 Collected By: *[Signature]* Date: 10/21/17 Time: 515P
 IDEAL Lead in Water Dept., CO-RW Date: 10/19/17 Time: 1110a
 IDEAL Lead in Water Dept., CO-RW Date: 10/4/17 Time: 10:5:17
 Method of Shipment: Hand
 Turnaround Time: Standard Rush
 Temperature (°C): 23.1

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-9490 - Phone (217) 753-1148 - Facsimile (217) 753-1152
 Chicago IL Office - 9114 Virginia Rd., Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 551-2604 - Facsimile (847) 458-9880
 Central / Southern IL Contact - Phone (217) 414-7162 - Facsimile (217) 753-1152



Client/Address		Sample Location Description		Sample Location Details		Miscellaneous		
City, State, Zip Code	Phone/Facsimile	Date	Time	When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UF) Lower (LO) as applicable.	Source Type: (Single Source/Single Drain=SS; Double Source/Double Drain=DD)	250 ml Collected?	# of sources / # of samples:	
Ideal Environmental Engineering, Inc. / 2904 Tractor Lane Bloomington, IL 61704 309-828-2259 / 309-828-5735 J# 21267 / Dakota C.U.S.D. 201 Dakota Elementary School 400 Campus Drive, Dakota, IL 61018 08-0892-010-26-2003 Central Office Staff / leadinwater@idealenvironmental.com								33/66
City, State, Zip Code	Phone/Facsimile	Date	Time	When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UF) Lower (LO) as applicable.	Source Type: (Single Source/Single Drain=SS; Double Source/Double Drain=DD)	250 ml Collected?	Date Water Last Used	
							9/28/17	
City, State, Zip Code	Phone/Facsimile	Date	Time	When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UF) Lower (LO) as applicable.	Source Type: (Single Source/Single Drain=SS; Double Source/Double Drain=DD)	250 ml Collected?	Time Water Last Used	
							7 PM	
City, State, Zip Code	Phone/Facsimile	Date	Time	When Side by Side Fountains, etc. exist, indicate: Left (L), Right (R), Upper (UF) Lower (LO) as applicable.	Source Type: (Single Source/Single Drain=SS; Double Source/Double Drain=DD)	250 ml Collected?	Make/Model	
DS-7	Ray Cree Rm 1 RR	9-29-17	3:24A	S	SS	yg		
DF-7			3:25A	S	SS	yg		
DS-8	Hendergarten Rm 2		3:31A	KS	SS	yg		
DF-8			3:32A	KS	SS	yg		
DS-9	Hendergarten Rm 3		3:34A	KS	SS	yg		
DF-9			3:35A	KS	SS	yg		
DS-10	Hendergarten Hall		3:39A	DF L/up	SS	yg	ElMay	
DF-10			4:04A	DF L/up	SS	yg		
DS-11			4:41A	DF R/lo	SS	yg		
DF-11			4:42A	DF R/lo	SS	yg		
DS-12	Hendergarten Rm 4		4:45A	KS	SS	yg		
DF-12			4:46A	KS	SS	yg		
Matrix: Drinking Water		Preservative: None		Analysis/Method Requested: Lead				
Collected By: <i>[Signature]</i>		Date: 10-2-17		Time: 5:15 PM		Received By: _____		
IDEAL Lead in Water Dept.,		Date: _____		Time: _____		Date: _____		
Final Instructions:		Turnaround Time: _____		Standard <input type="checkbox"/> Rush <input type="checkbox"/>		Temperature (°C) _____		

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) 459-9680
 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# 21267 / Dakota C.U.S.D. 201
 Building Description: Dakota Elementary School
 Address: 400 Campus Drive, Dakota, IL 61018
 ISBE ID: 08-0832-010-26-2003
 Contact/E-Mail/Address: Central Office Staff / leadinwater@idealenvironmental.com

Sample ID	Sample Location Description	Sample		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/Double Drain=DD)	250 ml Collected?	First Draw Sample = 1 Second Draw (30-Second Flush) = 2	Miscellaneous # of sources / # of samples: 33/66 Date Water Last Used: 9/28/17 Time Water Last Used: 7 PM
		Date	Time						
DS-17	Early Childhood Rm 5	9/28/17	3:48 A	KS	.	SS	yo	1	
DF-13	-		3:49 A	KS		SS	yo	2	
DS-14	Doghouse School Bx Rm 6		3:52 A	KS	L	SD	yo	1	
DF-14	-		3:53 A	KS	L	SD	yo	2	
DS-15	-		3:54	KS	R	SD	yo	1	
DF-15	-		3:55 A	KS	R	SD	yo	2	
DS-16	PT Rm 7		3:57 A	KS		SS	yo	1	
DF-16	-		3:58 A	KS		SS	yo	2	
DS-17	Corridor by Rm 9		4:00 A	DF		SS	yo	1	Elkay
DF-17	-		4:01 A	DF		SS	yo	2	
DS-18	Pitcher		4:06 A	KS		SS	yo	1	
DF-18	-		4:07 A	KS		SS	yo	2	

Matrix: Drinking Water
 Preservative: None
 Requisitioned By: [Signature]
 Date: 10-2-17 Time: 5:15 PM
 Collected By: [Signature]
 IDEAL Lead in Water Dept.,
 IDEAL Lead in Water Dept.,
 Received By: _____ Date: _____
 Analysis/Method Requested: Lead
 Method of Shipment: _____
 Turnaround Time: Standard Rush
 Temperature (°C): _____

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 60155 - Phone (847) 651-2604 - Facsimile (847) 458-6660
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



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Client / Address Ideal Environmental Engineering, Inc. / 2904 Tractor Lane Bloomington, IL 61704 309-828-4259 / 309-828-5735 J# 21267 / Dakota C.U.S.D. 201 Dakota Elementary School 400 Campus Drive, Dakota, IL 61018 08-0892-010-26-2003 Central Office Staff / leadinwater@idealenvironmental.com		Sample Location Details		Miscellaneous										
City, State, Zip Code	Phone / Facsimile	P.O. / J# / LEA	Building Description	Address	ISBE ID	When Side by Side Fountains, etc. exists, 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	# of sources / # of samples: 3366	Date Water Last Used 9/28/17	Time Water Last Used 7 PM	Make / Model
Sample ID	Sample Location Description	Date	Time	Fixture Type DF=Drinking Fountain, S=Sink, WF=Water Cooler, KS=Kitchen Sink, BF=Bottle Filler, O=Other	Source Type	Temperature (°C)	Method of Shipment							
DS-19	Butcher Pad Filler	9/29/17	408 A	PF	SS									
DF-19	Butcher Pad Filler		409 A	PF	SS									
DS-20	Butcher (eyewash)		410 A	KS	SS									
DF-20	Butcher (eyewash)		411 A	KS	SS									
DS-21	Deskwashing Pn		415 A	KS	L SD									
DF-21	Deskwashing Pn		416 A	KS	L SD									
DS-22	Deskwashing Pn		417 A	KS	R SD									
DF-22	Deskwashing Pn		418 A	KS	R SD									
DS-23	corridor by copier		424 A	DF	L SS									
OF-23	corridor by copier		425 A	DF	L SS									
DS-24	corridor by copier		426 A	DF	R SS									
DF-24	corridor by copier		427 A	DF	R SS									
Matrix: Drinking Water														
Preservative: None														
Requisitioned By <i>[Signature]</i>		Date		Time		Received By		Date		Time		Method of Shipment		
Collected By <i>[Signature]</i>		Date		Time		IDEAL Lead in Water Dept.,		Date		Time		IDEAL Lead in Water Dept.,		
Turnaround Time: Standard <input type="checkbox"/> Rush <input type="checkbox"/> No <input type="checkbox"/>														
Temperature (°C)														

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 - 8114 Virginia Rd, Ste 112 - Lake in the Hills, IL 60156 - Phone (847) 651-2804 - Facsimile (847) 458-9880
 Central / Southern IL Contact - Phone (217) 414-7762 - Facsimile (217) 753-1152



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Client / Address		Sample Location Description		Sample		Miscellaneous	
City, State, Zip Code	Phone / Facsimile	Date	Time	# of sources / # of samples:	Date Water Last Used	Time Water Last Used	Make / Model
Ideal Environmental Engineering, Inc. / 2904 Tractor Lane Bloomington, IL 61704	309-828-4259 / 309-828-5735	7/29/17	4:32A	33/66	9/28/17	7 PM	
J# 21267 / Dakota C.U.S.D. 201 Dakota Elementary School	400 Campus Drive, Dakota, IL 61018		4:33A				
08-0892-010-26-2003 Central Office Staff / leadinwater@idealenvironmental.com			4:40A				
			4:41A				
			4:42A				
			4:43A				
			4:49A				
			4:50A				
			4:51A				
			4:52A				
			4:58A				
			4:59A				
Matrix: Drinking Water: Preservative: None		Date		Date		Date	
Relinquished By	Date	Time	Time	Time	Time	Time	Time
Collected By:							
IDEAL Lead in Water Dept.							
Instructions:		Turnaround Time:		Standard <input type="checkbox"/> Rush <input type="checkbox"/>		Temperature (°C)	
Page 18 of 19							

White - Client / Yellow - PAS, Inc. / Pink - Sampler
 C - IDEAL

Chain of Custody Record

Central IL - 1210 Capital Airport Drive - Springfield, IL 62707-8400 - 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) 414-7782 - Facsimile (217) 793-1152



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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. (A#) / LEA	J# 21267 / Dakota C.U.S.D. 201		
Building Description	Dakota Elementary School		
Address	400 Campus Drive, Dakota, IL 61018		
ISBE ID	08-0892-C10-26-2003		
Contact/E-Mail / Address	Central Office Staff / leadinwater@idealenvironmental.com		
Sample ID	Sample Location / Description	Date	Sample Time
DS-31	Hygon Smith det	9/29/17	501A
DF-31	Hygon Smith det		502A
DS-32	Corridor by Rm 28		511A
DF-32	Corridor by Rm 28		512A
DS-33	Corridor by Rm 28		513A
DF-33	Corridor by Rm 28		514A
Matrix: Drinking Water Preservative: None Requisitioned By: _____ Date: _____ Time: _____ Collected By: <i>Kevin M. Walsh</i> 10-2-17 5:15 PM IDEAL Lead in Water Dept. IDEAL Lead in Water Dept.			
Analysis/Method Requested: Lead Received By: _____ Date: _____ Method of Shipment: _____			
Sample Location Details 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 _____		Miscellaneous # of sources / # of samples: 33/66 Date Water Last Used: 9/28/17 Time Water Last Used: 7 PM Make / Model: Elkey	
Turnaround Time: _____ Standard <input type="checkbox"/> Rush <input type="checkbox"/>		Temperature (°C) _____ No <input type="checkbox"/>	



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



is hereby granted to

PRAIRIE ANALYTICAL SYSTEMS, INCORPORATED
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.: 004184
Expiration Date: 01/31/2018
Issued On: 06/20/2017

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

Certificate No.: 004184

Prairie Analytical Systems, Incorporated
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: SM2130B,18Ed

Matrix Type: Potable Water

Turbidity

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: USEPA180.1

Matrix Type: Potable Water

Turbidity

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Drinking Water, Inorganic

Method: USEPA200.7R4.4

Matrix Type: Potable Water

Aluminum
Barium
Cadmium
Chromium
Hardness (calc.)
Magnesium
Nickel
Sodium

Arsenic
Beryllium
Calcium
Copper
Iron
Manganese
Silver
Zinc

Method: USEPA200.8R5.4

Matrix Type: Potable Water

Aluminum
Arsenic
Beryllium
Chromium
Lead
Mercury
Nickel
Silver
Zinc

Antimony
Barium
Cadmium
Copper
Manganese
Molybdenum
Selenium
Thallium

Method: USEPA245.2

Matrix Type: Potable Water

Mercury

Method: USEPA300.0R2.1

Matrix Type: Potable Water

Chloride
Nitrate
Orthophosphate as P

Fluoride
Nitrite
Sulfate

FOT Name: Drinking Water, Organic

Method: USEPA524.2R4.1

Matrix Type: Potable Water

1,1,1-Trichloroethane
1,1-Dichloroethene
1,2-Dichlorobenzene

1,1,2-Trichloroethane
1,2,4-Trichlorobenzene
1,2-Dichloroethane

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Drinking Water, Organic

Method: USEPA524.2R4.1

Matrix Type: Potable Water

1,4-Dichlorobenzene
Bromodichloromethane
Carbon tetrachloride
Chlorodibromomethane
cis-1,2-Dichloroethene
Ethylbenzene
Naphthalene
Tetrachloroethene
Total trihalomethanes
Trichloroethylene
Xylenes (total)

1,2-Dichloropropane
Benzene
Bromoform
Chlorobenzene
Chloroform
Dichloromethane (Methylene chloride)
Methyl tert-butyl ether (MTBE)
Styrene
Toluene
trans-1,2-Dichloroethene
Vinyl chloride

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)

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Non Potable Water, Inorganic

Method: SM3500Cr-B,2009

Matrix Type: NPW/SCM

Chromium VI

Method: SM4110B,2000

Matrix Type: NPW/SCM

Bromide

Chloride

Fluoride

Nitrate

Nitrate-Nitrite (as N)

Nitrite

Orthophosphate (as P)

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

Total Kjeldahl Nitrogen

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)

Phosphorus

Method: SM4500P-F,1999

Matrix Type: NPW

Orthophosphate (as P)

Method: SM4500S2-F,2000

Matrix Type: NPW/SCM

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Non Potable Water, Inorganic **Method: SM4500S2-F,2000**

Matrix Type: NPW/SCM Sulfide

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

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Non Potable Water, Inorganic

Method: USEPA200.7,1994

Matrix Type: NPW/SCM

Vanadium

Titanium

Zinc

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: USEPA310.2,1974

Matrix Type: NPW

Alkalinity

Method: USEPA335.4R1.0,1993

Matrix Type: NPW/SCM

Cyanide

Method: USEPA350.1R2.0,1993

Matrix Type: NPW

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Non Potable Water, Inorganic

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

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

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Inorganic

Method: 6010B

Matrix Type: NPW/SCM

Strontium
Tin
Vanadium

Sodium
Thallium
Titanium
Zinc

Method: 6020A

Matrix Type: NPW/SCM

Aluminum
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Manganese
Molybdenum
Potassium
Silver
Thallium
Zinc

Antimony
Barium
Boron
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

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Inorganic

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: 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

Gasoline range organics (GRO)

Method: 8081A

Matrix Type: NPW/SCM

4,4'-DDD

4,4'-DDE

4,4'-DDT

Aldrin

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

Certificate No.: 004184

Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Organic

Method: 8081A

Matrix Type: NPW/SCM

alpha-Chlordane
Chlordane - not otherwise specified
Dieldrin
Endosulfan II
Endrin
Endrin ketone
gamma-Chlordane
Heptachlor epoxide
Toxaphene

alpha-BHC
beta-BHC
delta-BHC
Endosulfan I
Endosulfan sulfate
Endrin aldehyde
gamma-BHC (Lindane)
Heptachlor
Methoxychlor

Method: 8082

Matrix Type: NPW/SCM

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

PCB-1221
PCB-1242
PCB-1254

Method: 8260B

Matrix Type: NPW/SCM

1,1,1,2-Tetrachloroethane
1,1,2,2-Tetrachloroethane
1,1-Dichloroethane
1,1-Dichloropropene
1,2,3-Trichloropropane
1,2,4-Trimethylbenzene
1,2-Dibromoethane (EDB)
1,2-Dichloroethane
1,3,5-Trimethylbenzene
1,3-Dichloropropane
2,2-Dichloropropane
2-Chloroethyl vinyl ether
2-Hexanone
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK)
Acetonitrile
Acrylonitrile

1,1,1-Trichloroethane
1,1,2-Trichloroethane
1,1-Dichloroethene
1,2,3-Trichlorobenzene
1,2,4-Trichlorobenzene
1,2-Dibromo-3-chloropropane (DBCP)
1,2-Dichlorobenzene
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Butanone (Methyl ethyl ketone, MEK)
2-Chlorotoluene
4-Chlorotoluene
Acetone
Acrolein (Propenal)
Benzene

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Certificate No.: 004184

Prairie Analytical Systems, Incorporated
 1210 Capital Airport Drive
 Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Organic**Method: 8260B****Matrix Type: NPW/SCM**

Bromochloromethane
 Bromoform
 Carbon disulfide
 Chlorobenzene
 Chloroethane
 Chloromethane
 cis-1,3-Dichloropropene
 Dichloromethane (Methylene chloride)
 Isopropylbenzene
 Naphthalene
 n-Propylbenzene
 sec-Butylbenzene
 tert-Butylbenzene
 Toluene
 trans-1,3-Dichloropropene
 Trichlorofluoromethane
 Vinyl chloride

Bromobenzene
 Bromodichloromethane
 Bromomethane
 Carbon tetrachloride
 Chlorodibromomethane (Dibromochloromethane)
 Chloroform
 cis-1,2-Dichloroethene
 Dichlorodifluoromethane
 Ethylbenzene
 Methyl-t-butyl ether
 n-Butylbenzene
 p-Isopropyltoluene
 Styrene
 Tetrachloroethene
 trans-1,2-Dichloroethene
 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

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

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Prairie Analytical Systems, Incorporated
 1210 Capital Airport Drive
 Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Organic**Method: 8270C****Matrix Type: NPW/SCM**

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

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
 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)

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

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Prairie Analytical Systems, Incorporated
1210 Capital Airport Drive
Springfield, IL 62707-8413

FOT Name: Solid and Chemical Materials, Organic

Method: 8321B

Matrix Type: NPW/SCM

Dicamba

MCPA

Oxamyl

Dalapon

Dinoseb

MCPP



