REPORT OF DRINKING WATER SAMPLING FOR LEAD CONTENT AT:

ELMWOOD JUNIOR/SENIOR HIGH SCHOOL
301 WEST BUTTERNUT STREET
ELMWOOD, ILLINOIS 61529

PREPARED FOR:

DR. CHAD WAGNER, SUPERINTENDENT
ELMWOOD COMMUNITY UNIT SCHOOL DISTRICT #322
301 WEST BUTTERNUT STREET
ELMWOOD, ILLINOIS 61529

PREPARED BY:

ENVIRONMENTAL CONSULTANTS, LLC
#6 MEADOW HEIGHTS PROFESSIONAL PARK
COLLINSVILLE, ILLINOIS 62234
(618) 343-3590

EC JOB NUMBER 18-0-421

OCTOBER 19, 2018

DOCUMENT TO BE RETAINED INDEFINITELY

EXECUTIVE SUMMARY

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18-0-421
Drinking Water Sampling for Lead
Elmwood Community Unit School District #22
Elmwood Junior/Senior High School
301 West Butternut Street
Elmwood, Illinois 61529

ENVIRONMENTAL CONSULTANTS, LLC
Illinois Office
#6 Meadow Heights Professional Park Drive
Swansea, Illinois 62234
Phone (618) 343-3590
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October 19, 2018

Dr. Chad Wagner, Superintendent
Elmwood Community Unit School District #322
301 West Butternut Street
Elmwood, Illinois 61529

Subject: Results of Drinking Water Testing for Lead Content

Site(s): Elmwood Junior/Senior High School
301 West Butternut Street
Elmwood, Illinois 61529

Dear Mr. Wagner,

On the morning of October 10, 2018, Environmental Consultants, LLC (EC) performed lead testing of multiple water sources at the Elmwood Junior/Senior High School located at 301 West Butternut Street in Elmwood, Illinois. Sampling was performed by trained and licensed personnel in accordance with USEPA, HUD and State of Illinois Regulations and Guidelines.

All inspectors involved with sampling activities had EPA approved training in Lead. Certifications for our firm and the inspector collecting the samples is included as Appendix C to this document.

All samples were collected on a "first draw" basis. "First draw" is achieved by allowing the water system to rest for at least eight hours prior to sampling in order to collect any existing debris or settlement within the sample. The intent of this sampling is to replicate "worst case scenario" conditions. As such, EC inspectors met at the school at 5:00 a.m. to collect water samples before the systems were used by staff or students. A second sample from each water source was collected as a "follow up" sample basis. "Follow-up" sampling is achieved by allowing the water system to run for thirty (30) seconds after the first draw sampling. The intent of this sampling is to determine if lead contamination may be in the water lines connected to the water sources and not just at the fixture. Sampling was completed in accordance with the Illinois Senate Bill 550 requirements. The Illinois Department of Public Health (IDPH) and other regulatory agencies recommend that water sources run for at least thirty seconds and as long as two minutes prior to use to avoid settling within the water system.

Drinking water samples were collected from forty-five (45) different locations throughout Elmwood Junior/Senior High School during the sampling event. The water samples were collected from drinking fountains and sinks potentially utilized for cooking or drinking activities at the campus. After sample collection, samples were immediately iced down and delivered to Teklab, Inc. located in Collinsville, Illinois following strict chain of custody procedures. Teklab is a NELAP accredited and State of Illinois licensed laboratory specializing in drinking water analysis. Detailed sampling locations and sample results are located in Appendix A of this report.

The analytical sensitivity utilized for the analysis of the water samples submitted identified a reporting limit (RL) of 1.0 micrograms per liter (µg/L). The analytical sensitivity utilized for the analysis of the water samples submitted identified a reporting limit (RL) of 1.0 microgram of lead per liter (µg/L). This reporting value equates to 1.0 parts per billion (ppb) of lead. The USEPA action level for lead in drinking water is 15.0 ppb for PSW. The USEPA document titled "Lead in Drinking Water at Schools and Child Care Facilities" last updated November 9, 2015 identifies an action level for drinking water collected from a plumbing fixture as 20.0 ppb. **All of the ninety-one (91) samples collected from the selected locations at the Elmwood Junior/Senior High School reported sample results which were less than the action level.** This information can be found under the National Primary Drinking Water Regulations provided by the EPA, CFR 2010 Title 40. (See Appendix A and B for Sample Results)

The following results indicate analyses reported above 5 ppb.

Sample 1	Kitchen Center Sink	5.0 ppm
Sample 5	Kitchen Main Sink (left)	10.1 ppm

Although no additional samples were identified above the USEPA action level, EC recommends that all water sources run for at least thirty seconds prior to use as recommended by the USEPA.

EC is pleased to provide this information to Elmwood Community Unit School District #322 and we appreciate the opportunity to provide quality environmental consulting services. Please call us at (618) 343-3590 if you have any questions or to arrange a meeting to discuss.

Sincerely,
Environmental Consultants, LLC

Jim Yasitis
Principal

APPENDIX A
SAMPLE LOCATIONS & RESULTS

Elmwood Junior/Senior High School
301 West Butternut Street
Elmwood, Illinois 61529

Drinking Water Sampling for Lead Content
October 12, 2018

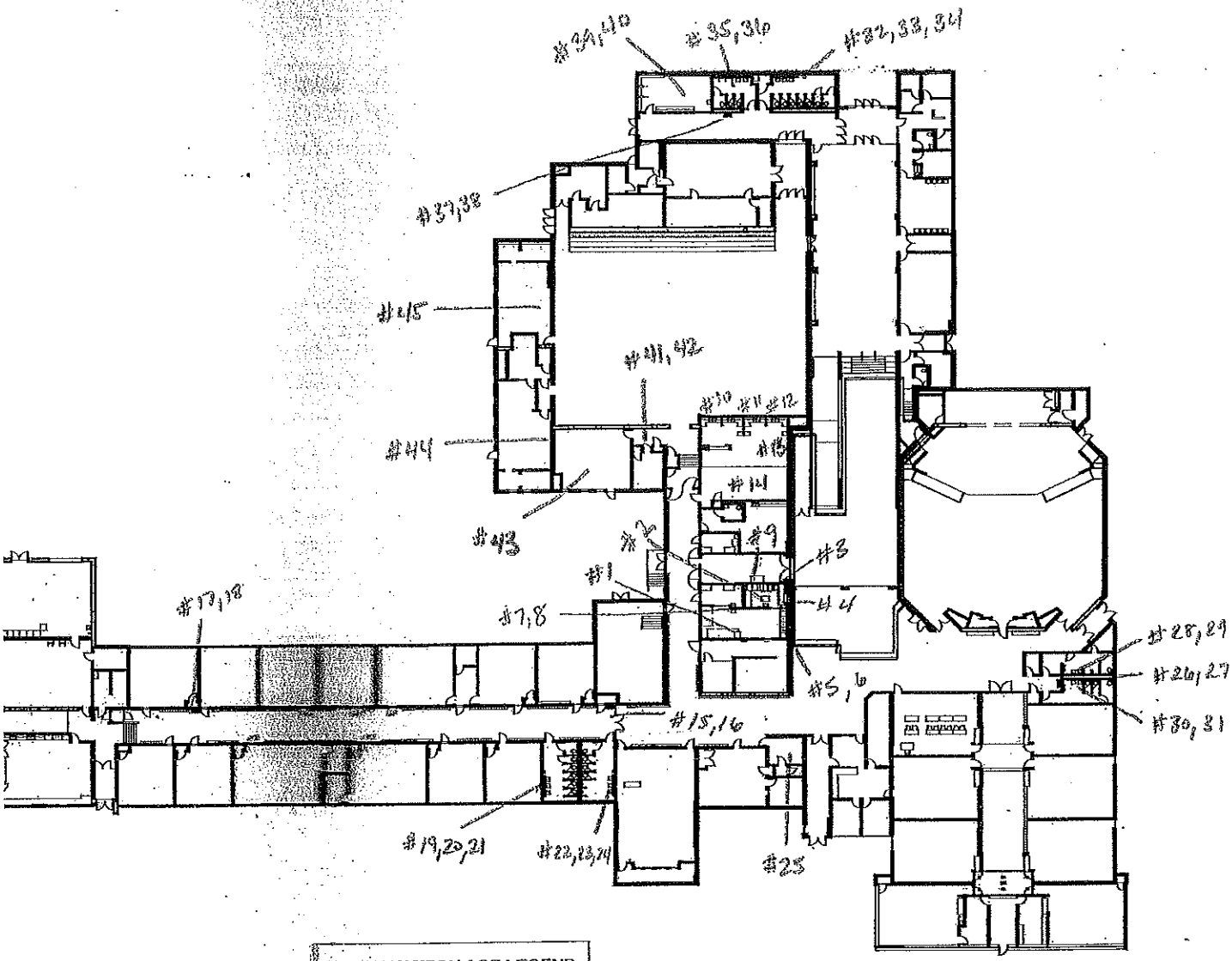
Sample ID	Location	Water Source	Results (ppb)
01	Kitchen – Center	Sink	5.0
01A	Kitchen – Center	Sink	<1.0
01B	Kitchen – Center	Sink	<1.0
02	Kitchen – by Dishwashing Station	Hand Sink	<2.0
02A	Kitchen – by Dishwashing Station	Hand Sink	<1.0
03	Kitchen – Dishwashing #1	Sink	<1.0
03A	Kitchen – Dishwashing #1	Sink	<1.0
04	Kitchen – Dishwashing #2	Sink	<1.0
04A	Kitchen – Dishwashing #2	Sink	<1.0
05	Kitchen – Main (left)	Sink	10.1
05A	Kitchen – Main (left)	Sink	<1.0
06	Kitchen – Main (right)	Sink	1.5
06A	Kitchen – Main (right)	Sink	<1.0
07	Kitchen – by Stove	Hand Sink	2.3
07A	Kitchen – by Stove	Hand Sink	<1.0
08	Kitchen – by Serving Area	Hand Sink	2.9
08A	Kitchen – by Serving Area	Hand Sink	<1.0
09	Kitchen – by Serving Area	Hand Sink	2.8
09A	Kitchen – by Serving Area	Hand Sink	<1.0
10	Room #223 (far left)	Sink	<1.0
10A	Room #223 (far left)	Sink	<1.0
11	Room #223 (left)	Sink	<1.0
11A	Room #223 (left)	Sink	<1.0
12	Room #223 (middle)	Sink	<1.0
12A	Room #223 (middle)	Sink	<1.0
13	Room #223 (far right)	Sink	<1.0
13A	Room #223 (far right)	Sink	<1.0
14	Teacher's Lounge	Sink	<1.0
14A	Teacher's Lounge	Sink	<1.0
15	Outside Maintenance Room (right)	Drinking Fountain	<1.0
15A	Outside Maintenance Room (right)	Drinking Fountain	<1.0
16	Outside Maintenance Room (left)	Drinking Fountain	<1.0
16A	Outside Maintenance Room (left)	Drinking Fountain	<1.0
17	Outside Room 205 (right)	Drinking Fountain	<1.0
17A	Outside Room 205 (right)	Drinking Fountain	<1.0
18	Outside Room 205 (left)	Drinking Fountain	<1.0

Sample ID	Location	Source	Results (ppb)
18A	Outside Room 205 (left)	Drinking Fountain	<1.0
19	Women's RR near 217 (left)	Sink	<1.0
19A	Women's RR near 217 (left)	Sink	<1.0
20	Women's RR near 217 (center)	Sink	<1.0
20A	Women's RR near 217 (center)	Sink	<1.0
21	Women's RR near 217 (right)	Sink	<1.0
21A	Women's RR near 217 (right)	Sink	<1.0
22	Men's RR near 217 (left)	Sink	<1.0
22A	Men's RR near 217 (left)	Sink	<1.0
23	Men's RR near 217 (center)	Sink	<1.0
23A	Men's RR near 217 (center)	Sink	<1.0
24	Men's RR near 217 (right)	Sink	<1.0
24A	Men's RR near 217 (right)	Sink	<1.0
25	Teacher Copy Room RR	Sink	<1.0
25A	Teacher Copy Room RR	Sink	<1.0
26	Near Auditorium (right)	Drinking Fountain	<1.0
26A	Near Auditorium (right)	Drinking Fountain	<1.0
27	Near Auditorium (left)	Drinking Fountain	<1.0
27A	Near Auditorium (left)	Drinking Fountain	<1.0
28	Men's RR near Auditorium (left)	Sink	<1.0
28A	Men's RR near Auditorium (left)	Sink	<1.0
29	Men's RR near Auditorium (right)	Sink	<1.0
29A	Men's RR near Auditorium (right)	Sink	<1.0
30	Women's RR near Auditorium (left)	Sink	<1.0
30A	Women's RR near Auditorium (left)	Sink	<1.0
31	Women's RR by Auditorium (right)	Sink	<1.0
31A	Women's RR by Auditorium (right)	Sink	<1.0
32	Women's RR near Concession (left)	Sink	<1.0
32A	Women's RR near Concession (left)	Sink	<1.0
33	Women's RR by Concession (center)	Sink	<1.0
33A	Women's RR by Concession (center)	Sink	<1.0
34	Women's RR by Concession (right)	Sink	<1.0
34A	Women's RR by Concession (right)	Sink	<1.0
35	Men's RR near Concession (left)	Sink	<1.0
35A	Men's RR near Concession (left)	Sink	<1.0
36	Men's RR by Concession (right)	Sink	<1.0
36A	Men's RR by Concession (right)	Sink	<1.0
37	Near Concession Stand (right)	Drinking Fountain	<1.0
37A	Near Concession Stand (right)	Drinking Fountain	<1.0
38	Near Concession Stand (left)	Drinking Fountain	<1.0
38A	Near Concession Stand (left)	Drinking Fountain	<1.0
39	Concession Stand 3-Bay	Sink	<1.0
39A	Concession Stand 3-Bay	Sink	<1.0
40	Concession Stand	Hand Sink	<2.0
40A	Concession Stand	Hand Sink	<1.0

Sample ID	Location	Source	Results (ppb)
41	Near Girls' Locker Room (right)	Drinking Fountain	<1.0
41A	Near Girls' Locker Room (right)	Drinking Fountain	<1.0
42	Near Girls' Locker Room (left)	Drinking Fountain	<1.0
42A	Near Girls' Locker Room (left)	Drinking Fountain	<1.0
43	Girls' Locker Room	Sink	<1.0
43A	Girls' Locker Room	Sink	<1.0
44	Boys' Locker Room (football)	Hand Sink	<1.0
44A	Boys' Locker Room (football)	Hand Sink	<1.0
45	Boys' Locker Room (PE)	Hand Sink	1.6
45A	Boys' Locker Room (PE)	Hand Sink	<1.0

A/B Samples were precautionary samples collected at 30 seconds following the "first draw" samples (A) and 3 minutes following the A sample (B).

Water source is above 5ppb and displays evidence of lead. The Illinois Senate Bill 550 requires the district to send written notification to parents and staff of any water sources above 5 ppb. The remaining water sampling sources shall be placed in writing or accessible on the district website.



CONSTRUCTION AGE LEGEND

- 1953 (ORIGINAL HIGH SCHOOL)
- 1967 (LOCKER ROOM ADDITION)
- 1976 (AUDITORIUM AND MEDIA CENTER)
- 1992 (GRADE SCHOOL)
- 2008 (GRADE SCHOOL C.R. ADDITION)
- 2015 (JUNIOR HIGH ADDITION)
- 2018 (COMMONS ADDITION)

APPENDIX B
LABORATORY ANALYSIS

October 18, 2018

Jeff Faust
Environmental Consultants, LLC
#6 Meadow Heights Professional Park
Collinsville, IL 62234
TEL: (618) 343-3590
FAX: (618) 343-3597

RE: DW Lead Elmwood H.S. **WorkOrder:** 18100966

Dear Jeff Faust:

TEKLAB, INC received 91 samples on 10/12/2018 2:20:00 PM for the analysis presented in the following report.

Samples are analyzed on an as received basis unless otherwise requested and documented. The sample results contained in this report relate only to the requested analytes of interest as directed on the chain of custody. NELAP accredited fields of testing are indicated by the letters NELAP under the Certification column. Unless otherwise documented within this report, Teklab Inc. analyzes samples utilizing the most current methods in compliance with 40CFR. All tests are performed in the Collinsville, IL laboratory unless otherwise noted in the Case Narrative.

All quality control criteria applicable to the test methods employed for this project have been satisfactorily met and are in accordance with NELAP except where noted. The following report shall not be reproduced, except in full, without the written approval of Teklab, Inc.

If you have any questions regarding these tests results, please feel free to call.

Sincerely,

Michael L. Austin
Project Manager
(618)344-1004 ex 16
MAustin@teklabinc.com

Report Contents

Client: Environmental Consultants, LLC
Client Project: DW Lead Elmwood H.S.

Work Order: 18100966
Report Date: 18-Oct-2018

This reporting package includes the following:

Client: Environmental Consultants, LLC
Work Order: 18100966

Client Project: DW Lead Elmwood H.S.
Report Date: 18-Oct-2018

Abbr Definition

*	Analytes on report marked with an asterisk are not NELAP accredited
CCV	Continuing calibration verification is a check of a standard to determine the state of calibration of an instrument between recalibration.
CRQL	A Client Requested Quantitation Limit is a reporting limit that varies according to customer request. The CRQL may not be less than the MDL.
DF	Dilution factor is the dilution performed during analysis only and does not take into account any dilutions made during sample preparation. The reported result is final and includes all dilution factors.
DNI	Did not ignite
DUP	Laboratory duplicate is a replicate aliquot prepared under the same laboratory conditions and independently analyzed to obtain a measure of precision.
ICV	Initial calibration verification is a check of a standard to determine the state of calibration of an instrument before sample analysis is initiated.
IDPH	IL Dept. of Public Health
LCS	Laboratory control sample is a sample matrix, free from the analytes of interest,spiked with verified known amounts of analytes and analyzed exactly like a sample to establish intra-laboratory or analyst specific precision and bias or to assess the performance of all or a portion of the measurement system.
LCSD	Laboratory control sample duplicate is a replicate laboratory control sample that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MBLK	Method blank is a sample of a matrix similar to the batch of associated sample (when available) that is free from the analytes of interest and is processed simultaneously with and under the same conditions as samples through all steps of the analytical procedures, and in which no target analytes or interferences should present at concentrations that impact the analytical results for sample analyses.
MDL	"The method detection limit is defined as the minimum measured concentration of a substance that can be reported with 99% confidence that the measured concentration is distinguishable from method blank results."
MS	Matrix spike is an aliquot of matrix fortified (spiked) with known quantities of specific analytes that is subjected to the entire analytical procedures in order to determine the effect of the matrix on an approved test method's recovery system. The acceptable recovery range is listed in the QC Package (provided upon request).
MSD	Matrix spike duplicate means a replicate matrix spike that is prepared and analyzed in order to determine the precision of the approved test method. The acceptable recovery range is listed in the QC Package (provided upon request).
MW	Molecular weight
ND	Not Detected at the Reporting Limit
NELAP	NELAP Accredited
PQL	Practical quantitation limit means the lowest level that can be reliably achieved within specified limits of precision and accuracy during routine laboratory operation conditions.
RL	The reporting limit the lowest level that the data is displayed in the final report. The reporting limit may vary according to customer request or sample dilution. The reporting limit may not be less than the MDL.
RPD	Relative percent difference is a calculated difference between two recoveries (ie. MS/MSD). The acceptable recovery limit is listed in the QC Package (provided upon request).
SPK	The spike is a known mass of target analyte added to a blank sample or sub-sample; used to determine recovery deficiency or for other quality control purposes.
Surr	Surrogates are compounds which are similar to the analytes of interest in chemical composition and behavior in the analytical process, but which are not normally found in environmental samples.
TIC	Tentatively identified compound: Analytes tentatively identified in the sample by using a library search. Only results not in the calibration standard will be reported as tentatively identified compounds. Results for tentatively identified compounds that are not present in the calibration standard, but are assigned a specific chemical name based upon the library search, are calculated using total peak areas from reconstructed ion chromatograms and a response factor of one. The nearest Internal Standard is used for the calculation. The results of any TICs must be considered estimated, and are flagged with a "T". If the estimated result is above the calibration range it is flagged "ET"
TNTC	Too numerous to count (> 200 CFU)

Qualifiers

# - Unknown hydrocarbon	B - Analyte detected in associated Method Blank
C - RL shown is a Client Requested Quantitation Limit	E - Value above quantitation range
H - Holding times exceeded	I - Associated internal standard was outside method criteria
M - Manual Integration used to determine area response	ND - Not Detected at the Reporting Limit
R - RPD outside accepted recovery limits	S - Spike Recovery outside recovery limits
T - TIC(Tentatively identified compound)	X - Value exceeds Maximum Contaminant Level

Client: Environmental Consultants, LLC
Client Project: DW Lead Elmwood H.S.

Work Order: 18100966
Report Date: 18-Oct-2018

Cooler Receipt Temp: N/A °C

Samples were collected in 250mL containers.

Locations

Collinsville

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	jhriley@teklabinc.com

Collinsville Air

Address	5445 Horseshoe Lake Road Collinsville, IL 62234-7425
Phone	(618) 344-1004
Fax	(618) 344-1005
Email	EHurley@teklabinc.com

Springfield

Address	3920 Pintail Dr Springfield, IL 62711-9415
Phone	(217) 698-1004
Fax	(217) 698-1005
Email	KKlostermann@teklabinc.com

Chicago

Address	1319 Butterfield Rd. Downers Grove, IL 60515
Phone	(630) 324-6855
Fax	
Email	arenner@teklabinc.com

Kansas City

Address	8421 Nieman Road Lenexa, KS 66214
Phone	(913) 541-1998
Fax	(913) 541-1998
Email	jhriley@teklabinc.com

Accreditations

Client: Environmental Consultants, LLC
Work Order: 18100966

Client Project: DW Lead Elmwood H.S.
Report Date: 18-Oct-2018

State	Dept	Cert #	NELAP	Exp Date	Lab
Illinois	IEPA	100226	NELAP	1/31/2019	Collinsville
Kansas	KDHE	E-10374	NELAP	4/30/2019	Collinsville
Louisiana	LDEQ	166493	NELAP	6/30/2019	Collinsville
Louisiana	LDEQ	166578	NELAP	6/30/2019	Collinsville
Oklahoma	ODEQ	9978	NELAP	8/31/2019	Collinsville
Arkansas	ADEQ	88-0966		3/14/2019	Collinsville
Illinois	IDPH	17584		5/31/2019	Collinsville
Indiana	ISDH	C-IL-06		1/31/2019	Collinsville
Kentucky	KDEP	98006		12/31/2018	Collinsville
Kentucky	UST	0073		1/31/2019	Collinsville
Louisiana	LDPH	LA170027		12/31/2018	Collinsville
Missouri	MDNR	930		1/31/2019	Collinsville
Missouri	MDNR	00930		5/31/2019	Collinsville
Tennessee	TDEC	04905		1/31/2019	Collinsville

Client: Environmental Consultants, LLC
Work Order: 18100966
Client Project: DW Lead Elmwood H.S.
Report Date: 18-Oct-2018
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
18100966-001A	1	NELAP		1.0	**5.0**	µg/L	5	10/16/2018 16:12	10/12/2018 0:00
18100966-002A	1A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 16:18	10/12/2018 0:00
18100966-003A	1B	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 16:23	10/12/2018 0:00
18100966-004A	2	NELAP		2.0	**< 2.0**	µg/L	10	10/17/2018 7:53	10/12/2018 0:00
18100966-005A	2A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 16:35	10/12/2018 0:00
18100966-006A	3	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 16:41	10/12/2018 0:00
18100966-007A	3A	NELAP		1.0	**< 1.0**	µg/L	5	10/17/2018 7:47	10/12/2018 0:00
18100966-008A	4	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 17:28	10/12/2018 0:00
18100966-009A	4A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 17:33	10/12/2018 0:00
18100966-010A	5	NELAP		1.0	**10.1**	µg/L	5	10/16/2018 17:39	10/12/2018 0:00
18100966-011A	5A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 17:45	10/12/2018 0:00
18100966-012A	6	NELAP		1.0	**1.5**	µg/L	5	10/16/2018 17:51	10/12/2018 0:00
18100966-013A	6A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 17:57	10/12/2018 0:00
18100966-014A	7	NELAP		2.0	**2.3**	µg/L	10	10/17/2018 7:59	10/12/2018 0:00
18100966-015A	7A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 18:08	10/12/2018 0:00
18100966-016A	8	NELAP		2.0	**2.9**	µg/L	10	10/17/2018 8:05	10/12/2018 0:00
18100966-017A	8A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 18:55	10/12/2018 0:00
18100966-018A	9	NELAP		1.0	**2.8**	µg/L	5	10/16/2018 19:01	10/12/2018 0:00
18100966-019A	9A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 19:07	10/12/2018 0:00
18100966-020A	10	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 19:12	10/12/2018 0:00
18100966-021A	10A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 19:30	10/12/2018 0:00
18100966-022A	11	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 19:36	10/12/2018 0:00
18100966-023A	11A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 19:42	10/12/2018 0:00
18100966-024A	12	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:17	10/12/2018 0:00
18100966-025A	12A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:23	10/12/2018 0:00
18100966-026A	13	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:28	10/12/2018 0:00
18100966-027A	13A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:34	10/12/2018 0:00
18100966-028A	14	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:40	10/12/2018 0:00
18100966-029A	14A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:57	10/12/2018 0:00
18100966-030A	15	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:46	10/12/2018 0:00
18100966-031A	15A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 20:52	10/12/2018 0:00
18100966-032A	16	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 21:38	10/12/2018 0:00
18100966-033A	16A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 21:44	10/12/2018 0:00
18100966-034A	17	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 21:50	10/12/2018 0:00
18100966-035A	17A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 22:19	10/12/2018 0:00
18100966-036A	18	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 21:56	10/12/2018 0:00
18100966-037A	18A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 22:02	10/12/2018 0:00
18100966-038A	19	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 22:07	10/12/2018 0:00
18100966-039A	19A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 22:13	10/12/2018 0:00
18100966-040A	20	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 23:00	10/12/2018 0:00
18100966-041A	20A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 23:18	10/12/2018 0:00
18100966-042A	21	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 23:23	10/12/2018 0:00
18100966-043A	21A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 23:29	10/12/2018 0:00
18100966-044A	22	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 23:35	10/12/2018 0:00
18100966-045A	22A	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 23:41	10/12/2018 0:00
18100966-046A	23	NELAP		1.0	**< 1.0**	µg/L	5	10/16/2018 23:47	10/12/2018 0:00
18100966-047A	23A	NELAP		1.0	**< 1.0**	µg/L	5	10/17/2018 0:28	10/12/2018 0:00
18100966-048A	24	NELAP		1.0	**< 1.0**	µg/L	5	10/17/2018 0:34	10/12/2018 0:00

Client: Environmental Consultants, LLC
Work Order: 18100966
Client Project: DW Lead Elmwood H.S.
Report Date: 18-Oct-2018
Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
18100966-049A	24A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 0:39	10/12/2018 0:00
18100966-050A	25	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 0:45	10/12/2018 0:00
18100966-051A	25A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 0:51	10/12/2018 0:00
18100966-052A	26	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 0:57	10/12/2018 0:00
18100966-053A	26A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 1:03	10/12/2018 0:00
18100966-054A	27	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 1:09	10/12/2018 0:00
18100966-055A	27A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 1:14	10/12/2018 0:00
18100966-056A	28	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 1:20	10/12/2018 0:00
18100966-057A	28A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 8:47	10/12/2018 0:00
18100966-058A	29	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 8:12	10/12/2018 0:00
18100966-059A	29A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 8:35	10/12/2018 0:00
18100966-060A	30	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 8:41	10/12/2018 0:00
18100966-061A	30A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:17	10/12/2018 0:00
18100966-062A	31	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:23	10/12/2018 0:00
18100966-063A	31A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:29	10/12/2018 0:00
18100966-064A	32	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:35	10/12/2018 0:00
18100966-065A	32A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:41	10/12/2018 0:00
18100966-066A	33	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:46	10/12/2018 0:00
18100966-067A	33A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:52	10/12/2018 0:00
18100966-068A	34	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 3:58	10/12/2018 0:00
18100966-069A	34A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 4:04	10/12/2018 0:00
18100966-070A	35	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 4:27	10/12/2018 0:00
18100966-071A	35A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 4:33	10/12/2018 0:00
18100966-072A	36	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 4:39	10/12/2018 0:00
18100966-073A	36A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 4:45	10/12/2018 0:00
18100966-074A	37	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 4:51	10/12/2018 0:00
18100966-075A	37A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 4:57	10/12/2018 0:00
18100966-076A	38	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 5:02	10/12/2018 0:00
18100966-077A	38A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 5:08	10/12/2018 0:00
18100966-078A	39	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 5:14	10/12/2018 0:00
18100966-079A	39A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 5:20	10/12/2018 0:00
18100966-080A	40	NELAP		2.0	< 2.0	µg/L	10	10/17/2018 9:51	10/12/2018 0:00
18100966-081A	40A	NELAP		1.0	< 1.0	µg/L	5	10/16/2018 14:50	10/12/2018 0:00
18100966-082A	41	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 6:24	10/12/2018 0:00
18100966-083A	41A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 6:30	10/12/2018 0:00
18100966-084A	42	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 6:36	10/12/2018 0:00
18100966-085A	42A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 6:42	10/12/2018 0:00
18100966-086A	43	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 6:48	10/12/2018 0:00
18100966-087A	43A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 7:18	10/12/2018 0:00
18100966-088A	44	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 7:24	10/12/2018 0:00
18100966-089A	44A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 7:30	10/12/2018 0:00
18100966-090A	45	NELAP		1.0	1.6	µg/L	5	10/17/2018 7:36	10/12/2018 0:00
18100966-091A	45A	NELAP		1.0	< 1.0	µg/L	5	10/17/2018 7:41	10/12/2018 0:00

Pb - Dilution required to meet internal standard recovery criteria..
Pb - Dilution required to meet internal standard recovery criteria.

Teklab Inc.
Environmental Laboratory

Receiving Check List

http://www.teklabinc.com/

Client: Environmental Consultants, LLC
Work Order: 18100966
Client Project: DW Lead Elmwood H.S.
Report Date: 18-Oct-2018

Carrier: Aaron Hagerty
Received By: AMD

Completed by: Amber M. Dilallo
On: 12-Oct-2018

Reviewed by: Elizabeth A. Hurley
On: 12-Oct-2018

Pages to follow: Chain of custody 10 Extra pages included 5

Shipping container/cooler in good condition?	Yes ☑	No ☐	Not Present ☐	Temp °C	N/A
Type of thermal preservation?	None ☑	Ice ☐	Blue Ice ☐	Dry Ice	☐
Chain of custody present?	Yes ☑	No ☐			
Chain of custody signed when relinquished and received?	Yes ☐	No ☑			
Chain of custody agrees with sample labels?	Yes ☑	No ☐			
Samples in proper container/bottle?	Yes ☑	No ☐			
Sample containers intact?	Yes ☑	No ☐			
Sufficient sample volume for indicated test?	Yes ☑	No ☐			
All samples received within holding time?	Yes ☑	No ☐			
Reported field parameters measured:	Field ☐	Lab ☐	NA ☑		
Container/Temp Blank temperature in compliance?	Yes ☑	No ☐			
When thermal preservation is required, samples are compliant with a temperature between 0.1°C - 6.0°C, or when samples are received on ice the same day as collected.					
Water – at least one vial per sample has zero headspace?	Yes ☐	No ☐	No VOA vials ☑		
Water - TOX containers have zero headspace?	Yes ☐	No ☐	No TOX containers ☑		
Water - pH acceptable upon receipt?	Yes ☑	No ☐	NA ☐		
NPDES/CWA TCN interferences checked/treated in the field?	Yes ☐	No ☐	NA ☑		

Any No responses must be detailed below or on the COC.

Samples were checked for turbidity then preserved with nitric acid upon arrival at the laboratory.

CHAIN OF CUSTODY

pg. 1 of 10 Work order # 1810091616

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC
Address:	#6 Meadow Heights Professional Park
City / State / Zip	Collinsville, IL 62234
Contact:	Jeff Faust
Phone:	(618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com
Fax:	(618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE N/A °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Client Comments:

Please Report in ppb

Project Name/Number

DW Lead Elmwood H.S.

Sample Collector's Name

Dave Lawrence

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: Lead
1810091616 001	1	10/12/18	☒									☒					
002	1A																
003	1B																
004	2																
005	2A																
006	3																
007	3A																
008	4																
009	4A																
010	5		☒									☒					

Relinquished By	Date/Time	Received By	Date/Time
A. Hyty		[illegible]	10/12/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 2 of 10 Work order # 1810096

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC		
Address:	#6 Meadow Heights Professional Park		
City / State / Zip	Collinsville, IL 62234		
Contact:	Jeff Faust	**Phone:**	(618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com	**Fax:**	(618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Client Comments:

Report in ppb

Project Name/Number

DW Lead Elmwood High School

Sample Collector's Name

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: Lead
1810096-01	5A	10/12/18	⊗									⊗					
02	6																
03	6A																
04	7																
05	7A																
06	8																
07	8A																
08	9																
09	9A																
10	10		⊗									⊗					

Relinquished By	Date/Time	Received By	Date/Time
[signature]		[signature]	10/12/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 3 of 10 Work order # 1810096LL

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC		
Address:	#6 Meadow Heights Professional Park		
City / State / Zip	Collinsville, IL 62234		
Contact:	Jeff Faust	**Phone:**	(618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com	**Fax:**	(618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☐ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

Report in ppb

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number

DW Lead Elmwood H.S.

Sample Collector's Name

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: Lead
1810096LL-001	10A	10/12/18	☒									☒					
002	11																
003	11A																
004	12																
005	12A																
006	13																
007	13A																
008	14																
009	14A																
010	15		☒									☒					

Relinquished By	Date/Time	Received By	Date/Time
A. Hagerty		[signature]	10/12/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 4 of 10 Work order # 1810096

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC
Address:	#6 Meadow Heights Professional Park
City / State / Zip	Collinsville, IL 62234
Contact:	Jeff Faust — **Phone:** (618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com — **Fax:** (618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments: Report in ppb

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number: DW Lead Elmwood H.S.

Sample Collector's Name:

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: Lead
1810096 031	15A	10/12/18	⊗									⊗					
032	16																
033	16A																
034	17																
035	17A																
036	18																
037	18A																
038	19																
039	19A																
040	20		⊗									⊗					

Relinquished By	Date/Time	Received By	Date/Time
A. Hughes		[illegible]	10/19/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 5 of 10 Work order # 1810091elle

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC
Address:	#6 Meadow Heights Professional Park
City / State / Zip	Collinsville, IL 62234
Contact:	Jeff Faust — **Phone:** (618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com — **Fax:** (618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments: Report in PPB

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number: DW Lead Elmwood H.S.

Sample Collector's Name:

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

 # and Type of Containers: UNPRES, HNO3, NaOH, H2SO4, HCL, MeOH, NaHSO4, OTHER

MATRIX: Aqueous, Drinking Water, Soil, Sludge, Special Waste, Groundwater

INDICATE ANALYSIS REQUESTED: Lead

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	Drinking Water	Lead
1810091elle-01	20A	10/12/18	⊗	⊗	
02	21				
03	21A				
04	22				
05	22A				
06	23				
07	23A				
08	24				
09	24A				
10	25		⊗	⊗	

Relinquished By	Date/Time	Received By	Date/Time
A. Hagerty		[illegible]	10/19/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

 Work order # 1810096

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client: Environmental Consultants, LLC
Address: #6 Meadow Heights Professional Park
City / State / Zip Collinsville, IL 62234
Contact: Jeff Faust **Phone:** (618) 343-3590
E-Mail: jeff@environmentalconsultantsllc.com **Fax:** (618) 343-3597

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No
Are these samples known to be hazardous? ☐ Yes ☒ No
Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE ____ °C
Preserved in: ☐ LAB ☐ FIELD **FOR LAB USE ONLY**
Lab Notes

Client Comments:
Report in ppb

Project Name/Number: DW Lead Elmwood H.S.
Sample Collector's Name:

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)
Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead
1810096-051	25A	10/12/18	⊗									⊗					
052	26																
053	26A																
054	27																
055	27A																
056	28																
057	28A																
058	29																
059	29A																
060	30		⊗									⊗					

Relinquished By	Date/Time	Received By	Date/Time
A. Hasty		[illegible signature]	10/12/18 1600

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 7 of 10 Work order # 1810096

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC		
Address:	#6 Meadow Heights Professional Park		
City / State / Zip	Collinsville, IL 62234		
Contact:	Jeff Faust	**Phone:**	(618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com	**Fax:**	(618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments: Report in ppb

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number

DW Lead Elwood H.S.

Sample Collector's Name

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

MATRIX

INDICATE ANALYSIS REQUESTED

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead
1810096 01	30A	10/12/18	⊗									⊗					
02	31																
03	31A																
04	32																
05	32A																
~~06~~	33																
~~07~~ 06	33A																
~~08~~ 07	34																
08	34A																
09	35		⊗									⊗					

Item 07 is 33

Relinquished By	Date/Time	Received By	Date/Time
		[illegible]	10/19/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 8 of 10 Work order # 1810096LC

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC
Address:	#6 Meadow Heights Professional Park
City / State / Zip	Collinsville, IL 62234
Contact:	Jeff Faust
Phone:	(618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com
Fax:	(618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments:

Report in ppb

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number

DW Lead Elmwood H.S.

Sample Collector's Name

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge)

☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: Lead
1810096LC-001	35A	10/12/15	X									X					
002	36																
003	36A																
004	37																
005	37A																
006	38																
007	38A																
008	39																
009	39A																
010	40		X									X					

Relinquished By	Date/Time	Received By	Date/Time
		[signature]	10/13/15 1120

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 9 of 10 Work order # 1810096ele

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC		
Address:	#6 Meadow Heights Professional Park		
City / State / Zip	Collinsville, IL 62234		
Contact:	Jeff Faust	**Phone:**	(618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com	**Fax:**	(618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Client Comments: Report in ppb

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Project Name/Number: DW Lead Elmwood H.S.

Sample Collector's Name:

Results Requested: ☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other ____ ☐ 3 Day (50% Surcharge)

Billing Instructions:

MATRIX: Aqueous, Drinking Water, Soil, Sludge, Special Waste, Groundwater

 # and Type of Containers: UNPRES, HNO3, NaOH, H2SO4, HCL, MeOH, NaHSO4, OTHER

INDICATE ANALYSIS REQUESTED: Lead

Lab Use Only	Sample Identification	Date/Time Sampled	UNPRES	Drinking Water	Lead
1810096ele-081	40A	10/12/18	☒	☒	
082	41				
083	41A				
084	42				
085	42A				
086	43				
087	43A				
088	44				
089	44A				
090	45		☒	☒	

Relinquished By	Date/Time	Received By	Date/Time
		[signature]	10/19/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

CHAIN OF CUSTODY

pg. 1 of 1 Work order # 1810091606

TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

Client:	Environmental Consultants, LLC
Address:	#6 Meadow Heights Professional Park
City / State / Zip	Collinsville, IL 62234
Contact:	Jeff Faust — **Phone:** (618) 343-3590
E-Mail:	jeff@environmentalconsultantsllc.com — **Fax:** (618) 343-3597

Samples on: ☒ ICE ☒ BLUE ICE ☒ NO ICE _____ °C

Preserved in: ☒ LAB ☒ FIELD

FOR LAB USE ONLY

Lab Notes

Are these samples known to be involved in litigation? If yes, a surcharge will apply ☐ Yes ☒ No

Are these samples known to be hazardous? ☐ Yes ☒ No

Are there any required reporting limits to be met on the requested analysis?. If yes, please provide limits in the comment section. ☒ Yes ☐ No

Client Comments:

Report in ppb

Project Name/Number	**Sample Collector's Name**
DW Lead Elmwood H.S.	

Results Requested

☒ Standard ☐ 1-2 Day (100% Surcharge) ☐ Other _____ ☐ 3 Day (50% Surcharge)

Billing Instructions

Lab Use Only	Sample Identification	Date/Time Sampled	# and Type of Containers: UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER	MATRIX: Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	INDICATE ANALYSIS REQUESTED: Lead
1810091606-001	45A	10/12/18	6									⊗					

Relinquished By	Date/Time	Received By	Date/Time
		G Dilallo	10/13/18 1420

The individual signing this agreement on behalf of the client, acknowledges that he/she has read and understands the terms and conditions of this agreement, and that he/she has the authority to sign on behalf of the client. See www.teklabinc.com for terms and conditions.

BottleOrder: 44995

Elmwood ~~Elem~~ High school 10/12/18

1	Kitchen Sink Center of Kitch	
1A		1
1B		
2	Kitchen Hand Sink Near Dishwashing Station	
2A	1	
3	Kitchen Dishwashing Sink #1	
3A	1	
4	Kitchen Dishwashing Sink #2	
4A	1	
5	Kitchen Main Sink (Left)	
5A	1	
6	Kitchen Main Sink (Right)	
6A	1	
7	Kitchen Hand Sink Near Stove	
7A	1	
8	Kitchen Hand Sink Near Serving Area	
8A	1	
9	Kitchen Hand Sink Serving Area	
9A	1	
10	~~Home~~ Room #223 Sink Far Left	
10A		Sink Far Left
11		Sink Left
11A		1
12		Sink Middle
12A		1
13		Sink Far Right
13A		1

Elmwood High School

14 Teachers Lounge Sink

14A

15 Water Fountain Outside Maintenance Room (Lower Right)

15A

16 Water Fountain Outside Maintenance Room (Upper Left)

16A

17 Water Fountain Outside Room 205 (Lower Right)

17A

18 Water Fountain Outside Room 205 (Upper Left)

18A

19 Womens Restroom Near Rm 217 Far Left (Sink)

19A

20 Womens Restroom Near Rm 217 Center

20A

21 Far Right

21A

22 Mens Restroom Near Room 217 Far Left (Sink)

22A

23 Center

23A

24 Far Right

24A

25 Teacher Copy Room Rest Room Sink

25A

26 Water Fountain Near Auditorium (Lower Right)

26A

27 (Upper Left)

27A

Elmwood High School

28 Mens Restroom Near Auditorium (Left Sink)
28A |
29 (Right Sink)
29A |
30 Womens RR Near Auditorium (Left Sink)
30A |
31 (Right Sink)
31A |
32 Womens RR Near Concession Stand (Left Sink)
32A |
33 (Center)
33A |
34 (Right Sink)
34A |
35 Mens RR Near Concession Stand (Left Sink)
35A |
36 (Right Sink)
36A |
37 Water Fountain Near Concession Stand (Upper Right)
37A |
38 (Lower Left)
38A |
39 Concession Stand 3-Bay Sink
39A |
40 Concession Stand Hand Sink
40A |

41 Fountains Near Girls Locker Room (Lower Right)

41A 1

42 (Upper Left)

42A 1

43 Girls Locker Room (Sink)

43A 1

44 Boys Locker Room Hand Sink (Footbell)

44A 1

45 (P.E.)

45A 1

APPENDIX C
CREDENTIALS

IDPH
ILLINOIS DEPARTMENT OF PUBLIC HEALTH

525-535 West Jefferson Street • Springfield, Illinois 62761-0001 • www.dph.illinois.gov

1/6/2017

LICENSE NUMBER: 001222
David J Lawrence
6 Meadow Heights Prof Park
Collinsville, IL 62234

LICENSE APPROVED

IDPH recently received and reviewed your application for lead licensure. Your qualifications have been reviewed and found that you meet the requirements set forth by the Lead Poisoning Prevention Code, Section 845.125. Therefore, your application for lead licensure is now complete. Enclosed please find your lead license card. Please have this identification card with you at all times while conducting lead abatement activities.

If you have any questions, please call (217) 782-5830 or for the hearing impaired, TTY (800) 547-0466.

Front of License

IDPH
LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
001222	1/6/2017	1/31/2018

David J Lawrence
6 Meadow Heights Prof Park
Collinsville, IL 62234

ILLINOIS LEAD PROGRAM
Environmental Health

Back of License

Alteration of this license shall result in legal action
RISK ASSESSOR CERTIFICATE EXPIRES
12/5/2019

This license issued under authority of the State of Illinois -Department of Public Health
This license is valid only when accompanied by a valid training course certificate
If found return to 525 W. Jefferson St Springfield, IL 62761

IDPH has updated its 7 – Day Notice of Commence[illegible]an be identified by its 9/16 revision date on the bottom left [illegible]egin using the new form as soon as possible. The revised form [illegible]i was located (http://www.dph.illinois.gov/sites/default/file[illegible]ject-091916.pdf).

IDPH
LEAD RISK ASSESSOR LICENSE

LEAD ID	ISSUED	EXPIRES
001222	1/6/2017	1/31/2018

David J Lawrence
6 Meadow Heights Prof Park
Collinsville, IL 62234

ILLINOIS LEAD PROGRAM
Environmental Health

COLLEGE FOR

PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

Dave Lawrence

1805 Bowler Rd, O'Fallon, IL 62269

has attended 8 contact hours of training and successfully passed an examination

Lead Risk Assessor Refresher

St. Louis, MO

Christopher C. King

Christopher C. King, PhD
Director, Center for Environmental Education and Training

Certificate # CEET325 - 12/22/2015 - 118941
Examination Date: 12/22/2015
CEUs: 0.8

Certificate expiration is 3 years from examination date for Illinois Dept. of Public Health

Center for Environmental Education and Training, 3545 Lafayette, St. Louis, MO 63104
(314) 977-8256 slu.edu/x39753.xml

This training course has been accredited by the Illinois Department of Public Health, and by the Missouri Department of Health & Senior Services.

STC SAFETY TRAINING CENTER

6520 Manchester Avenue, St. Louis, MO 63139 * Phone: 314-652-4STC

Environmental and Occupational Safety & Health Training

Does hereby certify

Anthony W. Hagerty

6 Meadow Heights Professional Park, Collinsville, IL 62234

Has successfully completed an 8 hour course examination with at least 70% for accreditation under 40 CFR part 745.225

Lead Renovator *(English)*

Class Date:	***January 14, 2015***
Examination Date:	***01/14/2015***
STC Certificate Number:	***STC-34594-01142015-000611LRI***
EPA Certificate Number:	***R-I-34594-15-00611***
Certification Expiration:	***01/14/2020***

David M. Mendoza – President/Training Director
Certified Environmental Specialist
OSHA Authorized Instructor

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

is hereby granted to

TEKLAB, INCORPORATED

5445 HORSESHOE LAKE RD.

COLLINSVILLE, IL 62234

NELAP ACCREDITED
ACCREDITATION NUMBER #100226

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
Supervisor
Environmental Laboratory Accreditation Program

John South
Accreditation Officer
Environmental Laboratory Accreditation Program

Certificate No.: 003772
Expiration Date: 01/31/2017
Issued On: 12/16/2015

Certificate No.: 003772

State of Illinois
Environmental Protection Agency

Awards the Certificate of Approval to:

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

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: SM2120B,18Ed

Matrix Type: Potable Water

Color

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: SM2340C,18Ed

Matrix Type: Potable Water

Hardness

Method: SM2510B,21Ed

Matrix Type: Potable Water

Conductivity

Method: SM2540C,18Ed

Matrix Type: Potable Water

Total dissolved solids

Method: SM2550,18Ed

Matrix Type: Potable Water

Temperature

Method: SM3112B,18Ed

Matrix Type: Potable Water

Mercury

Method: SM4500Cl-G,18Ed

Matrix Type: Potable Water

Certificate No.: 003772

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Drinking Water, Inorganic

Matrix Type: Potable Water

Method: SM4500CN-E,18Ed

Matrix Type: Potable Water

Cyanide

Method: SM4500F-C,18Ed

Matrix Type: Potable Water

Fluoride

Method: SM4500H-B,18Ed

Matrix Type: Potable Water

Hydrogen ion (pH)

Method: SM4500NO2-B,18Ed

Matrix Type: Potable Water

Nitrite

Method: SM4500P-E,18Ed

Matrix Type: Potable Water

Orthophosphate

Method: SM4500Si-E,18Ed

Matrix Type: Potable Water

Silica

Method: SM5310C,19Ed

Matrix Type: Potable Water

Dissolved Organic Carbon

Method: USEPA180.1

Matrix Type: Potable Water

Turbidity

Method: USEPA200.7R4.4

Matrix Type: Potable Water

Aluminum

Beryllium

Calcium

Copper

Magnesium

Nickel

Sodium

Method: SM4500CL-G,18Ed

Chlorine (free,combined,total)

Total Organic Carbon (TOC)

Barium

Cadmium

Chromium

Iron

Manganese

Silver

Zinc

Certificate No.: 003772

State of Illinois
Environmental Protection Agency

Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Drinking Water, Inorganic

Matrix Type: Potable Water

Method: USEPA200.8R5.4

Aluminum
Antimony
Arsenic
Barium
Beryllium
Cadmium
Chromium
Copper
Lead
Manganese
Molybdenum
Nickel
Selenium
Silver
Thallium
Zinc

Method: USEPA245.1R3.0

Matrix Type: Potable Water

Mercury

Method: USEPA353.2R2.0

Matrix Type: Potable Water

Nitrate
Nitrite

FOT Name: Non Potable Water, Inorganic

Method: QIA-1677-09(L.Kahn)

Matrix Type: NPW

Cyanide, Available

Method: SM 4500 S2-D,2000

Matrix Type: NPW/SCM

Sulfide

Method: SM2120B,2001

Matrix Type: NPW

Color

Method: SM2130B,2001

Matrix Type: NPW/SCM

Turbidity

Method: SM2310B,1997

Matrix Type: NPW/SCM

Acidity

Method: SM2320B,1997

Matrix Type: NPW/SCM

Alkalinity

Certificate No.: 003772

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW

Hardness

Method: SM2340C,1997

Matrix Type: NPW

Hardness

Method: SM2340B,1997

Matrix Type: NPW

Hardness

Method: SM2510B,1997

Matrix Type: NPW

Specific conductance

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: SM2540F,1997

Matrix Type: NPW/SCM

Residue (settleable)

Method: SM2550B,2000

Matrix Type: NPW/SCM

Temperature

Method: SM3112B,2009

Matrix Type: NPW/SCM

Mercury

Method: SM3120B,1999

Matrix Type: NPW/SCM

Aluminum

Antimony

Arsenic

Barium

Beryllium

Boron

Cadmium

Calcium

Chromium

Cobalt

Copper

Iron

Certificate No.: 003772

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FDT Name: Non Potable Water, Inorganic
Matrix Type: NPW/SCM
Magnesium
Molybdenum
Phosphorus
Selenium
Sodium
Vanadium
Method: SM3500Cr-B,2009
Matrix Type: NPW/SCM
Chromium VI
Method: SM4500CL-G,1997
Matrix Type: NPW/SCM
Chloride
Method: SM4500CL-E,1997
Matrix Type: NPW/SCM
Chloride
Method: SM4500CL-G,2000
Matrix Type: NPW/SCM
Chlorine, Total Residual
Method: SM4500CN-E,1999
Matrix Type: NPW
Cyanide
Method: SM4500CN-G,1999
Matrix Type: NPW/SCM
Cyanide, Available
Method: SM4500F-C,1997
Matrix Type: NPW
Fluoride
Method: SM4500H-B,2000
Matrix Type: NPW
Hydrogen Ion (pH)
Method: SM4500NH3-H,1997
Matrix Type: NPW/SCM
Ammonia
Method: SM3120B,1999
Lead
Manganese
Nickel
Potassium
Silver
Thallium
Zinc

Certificate No.: 003772

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW/SCM

Nitrite

Method: SM4500NO3-F,2000

Matrix Type: NPW/SCM

Nitrate-nitrite (as N)

Method: SM4500-G,2001

Matrix Type: NPW

Oxygen - Dissolved

Method: SM4500P-E,1999

Matrix Type: NPW/SCM

Orthophosphate (as P)

Method: SM4500SO3-B,2000

Matrix Type: NPW/SCM

Sulfite

Method: SM5210B,2001

Matrix Type: NPW

Biochemical Oxygen Demand (BOD)

Method: SM5220D,1997

Matrix Type: NPW

Chemical Oxygen Demand (COD)

Method: SM5310C,2000

Matrix Type: NPW

Total organic carbon (TOC)

Method: SM5540C,2000

Matrix Type: NPW

Surfactants

Method: USEPA420.1,1982

Matrix Type: NPW

Specific conductance

Method: USEPA160.4,1971

Matrix Type: NPW/SCM

Residue (Volatile)

Method: USEPA1631E

Matrix Type: NPW

Method: SM4500NO2-B,2000

Phosphorus

Carbonaceous Biochemical Oxygen Demand (CBOI

Certificate No.: 003772

State of Illinois
Environmental Protection Agency

Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW

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
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Manganese
Nickel
Potassium
Silver
Thallium
Titanium
Zinc

Method: USEPA200.8,1994

Matrix Type: NPW

Aluminum
Arsenic
Beryllium
Cadmium
Chromium
Copper
Lead
Manganese
Nickel

Method: USEPA1631E

Mercury

Antimony
Barium
Boron
Calcium
Cobalt
Iron
Magnesium
Molybdenum
Phosphorus
Selenium
Sodium
Tin
Vanadium

Antimony
Barium
Boron
Calcium
Cobalt
Iron
Magnesium
Molybdenum
Potassium

Certificate No.: 003772

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW

Silver

Thallium

Titanium

Zinc

Method: USEPA245.1R3.0,1994

Matrix Type: NPW/SCM

Mercury

Method: USEPA335.4R1.0,1993

Matrix Type: NPW

Cyanide

Method: USEPA350.1R2.0,1993

Matrix Type: NPW

Ammonia

Method: USEPA351.2R2.0,1993

Matrix Type: NPW/SCM

Total Kjeldahl Nitrogen

Method: USEPA353.2R2.0,1993

Matrix Type: NPW/SCM

Nitrate

Nitrite (as N)

Method: USEPA365.4,1974

Matrix Type: NPW/SCM

Phosphorus

Method: USEPA375.2R2.0,1993

Matrix Type: NPW

Sulfate

Method: USEPA410.4R2.0,1993

Matrix Type: NPW

Chemical Oxygen Demand (COD)

Method: USEPA420.1,1978

Matrix Type: NPW/SCM

Phenolics

Method: USEPA420.4R1.0,1993

Method: USEPA200.8,1994

Selenium

Sodium

Tin

Vanadium

Nitrate-nitrite (as N)

Certificate No.: 003772

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Non Potable Water, Inorganic

Matrix Type: NPW

Phenolics

Method: USEPA420.4R1.0,1993

FOT Name: Non Potable Water, Organic

Method: USEPA608

Matrix Type: NPW/SGM

4,4'-DDD
4,4'-DDE
4,4'-DDT
Aldrin
alpha-BHC
beta-BHC
Chlordane
delta-BHC
Dieldrin
Endosulfan I
Endosulfan II
Endosulfan sulfate
Endrin
Endrin aldehyde
gamma-BHC (Lindane)
Heptachlor
Heptachlor epoxide
Methoxychlor
PCB-1016
PCB-1221
PCB-1232
PCB-1242
PCB-1248
PCB-1254
PCB-1260
Toxaphene

Method: USEPA615

Matrix Type: NPW

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
Dicamba

Method: USEPA624

Matrix Type: NPW/SGM

1,1,1-Trichloroethane
1,1,2,2-Tetrachloroethane
1,1,2-Trichloroethane
1,1-Dichloroethane
1,1-Dichloroethene
1,2-Dichlorobenzene
1,2-Dichloroethane
1,2-Dichloropropane
1,3-Dichlorobenzene
1,4-Dichlorobenzene
2-Chloroethylvinyl ether
Acetonitrile
Acrolein (Propenal)
Acrylonitrile
Benzene
Bromodichloromethane
Bromoform
Bromomethane
Carbon tetrachloride
Chlorobenzene

Certificate No.: 003772

State of Illinois
Environmental Protection Agency
Awards the Certificate of Approval

Teklab, Incorporated
5445 Horseshoe Lake Rd.
Collinsville, IL 62234

FOT Name: Non Potable Water, Organic

Matrix Type: NPW/SCM

Chloroform

cis-1,3-Dichloropropene

Dichloromethane (Methylene chloride)

Methyl tert-butyl ether (MTBE)

Toluene

trans-1,3-Dichloropropene

Trichlorofluoromethane

Xylenes (total)

Method: USEPA625

Matrix Type: NPW/SCM

1,2,4-Trichlorobenzene

1,3-Dichlorobenzene

2,2-Oxybis (1-chloropropane)

2,4-Dichlorophenol

2,4-Dinitrophenol

2,6-Dinitrotoluene (2,6-DNT)

2-Chlorophenol

2-Nitrophenol

4-Bromophenyl phenyl ether

4-Chlorophenyl phenyl ether

Acenaphthene

Anthracene

Benzo(a)anthracene

Benzo(b)fluoranthene

Benzo(k)fluoranthene

Bis(2-chloroethoxy) methane

Bis(2-ethylhexyl) phthalate

Dibenz(a,h)anthracene

Dimethyl phthalate

Di-n-octyl phthalate

Fluorene

Hexachlorobutadiene

Hexachloroethane

Isophorone

Method: USEPA624

Chloroethane

Chloromethane

Dibromochloromethane

Ethylbenzene

Tetrachloroethene

trans-1,2-Dichloroethene

Trichloroethene

Vinyl chloride

1,2-Dichlorobenzene

1,4-Dichlorobenzene

2,4,6-Trichlorophenol

2,4-Dimethylphenol

2,4-Dinitrotoluene (2,4-DNT)

2-Chloronaphthalene

2-Methyl-4,6-dinitrophenol

3,3'-Dichlorobenzidine

4-Chloro-3-methylphenol

4-Nitrophenol

Acenaphthylene

Benzidine

Benzo(a)pyrene

Benzo(g,h,i)perylene

Benzyl butyl phthalate

Bis(2-chloroethyl) ether

Chrysene

Diethyl phthalate

Di-n-butyl phthalate

Fluoranthene

Hexachlorobenzene

Hexachlorocyclopentadiene

Indeno(1,2,3-cd) pyrene

Naphthalene

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FOT Name: Non Potable Water, Organic

Matrix Type: NPW/SCM

N-Nitrosodimethylamine

N-Nitrosodiphenylamine

Phenanthrene

Pyrene

FOT Name: Solid and Chemical Materials, Inorganic

Method: 1010A

Matrix Type: NPW/SCM

Ignitability

Method: 1020B

Matrix Type: NPW/SCM

Ignitability

Method: 1311

Matrix Type: NPW/SCM

TCLP (Organic and Inorganic)

Method: 1312

Matrix Type: NPW/SCM

Synthetic Precipitation Leaching Procedure

Method: 6010B

Matrix Type: NPW/SCM

Aluminum

Arsenic

Beryllium

Cadmium

Chromium

Copper

Lead

Magnesium

Molybdenum

Phosphorus

Selenium

Sodium

Thallium

Titanium

Method: USEPA625

Nitrobenzene

N-Nitrosodi-n-propylamine

Pentachlorophenol

Phenol

Antimony

Barium

Boron

Calcium

Cobalt

Iron

Lithium

Manganese

Nickel

Potassium

Silver

Strontium

Tin

Vanadium

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FOT Name: Solid and Chemical Materials, Inorganic

Matrix Type: NPW/SCM

Method: 6020A

Matrix Type: NPW

Calcium

Matrix Type: NPW/SCM

Aluminum
Arsenic
Beryllium
Cadmium
Cobalt
Iron
Magnesium
Molybdenum
Potassium
Silver
Thallium
Zinc

Method: 7196A

Matrix Type: NPW/SCM

Chromium VI

Method: 7470A

Matrix Type: NPW

Mercury

Method: 7471B

Matrix Type: NPW/SCM

Mercury

Method: 9012A

Matrix Type: NPW

Cyanide

Method: 9014

Matrix Type: NPW/SCM

Cyanide

Method: 9020B

Matrix Type: NPW/SCM

Method: 6010B

Zinc

Antimony
Barium
Boron
Chromium
Copper
Lead
Manganese
Nickel
Selenium
Sodium
Vanadium

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FOT Name: Solid and Chemical Materials, Inorganic

Matrix Type: NPW/SCM

Method: 9023

Matrix Type: NPW/SCM

EOX-Extractable Organic Halides

Method: 9034

Matrix Type: NPW/SCM

Sulfides

Method: 9036

Matrix Type: NPW/SCM

Sulfate

Method: 9038

Matrix Type: NPW

Sulfate

Method: 9040B

Matrix Type: NPW

Hydrogen Ion (pH)

Method: 9045C

Matrix Type: SCM

Hydrogen Ion (pH)

Method: 9050A

Matrix Type: NPW

Specific conductance

Method: 9060A

Matrix Type: NPW/SCM

Total Organic Carbon (TOC)

Method: 9065

Matrix Type: NPW/SCM

Phenolics

Method: 9066

Matrix Type: NPW

Phenolics

Method: 9095A

Matrix Type: NPW

Paint Filter

Method: 9020B

TOX (Total Organic Halides)

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FOT Name: Solid and Chemical Materials, Inorganic

Matrix Type: NPW/SCM

Fluoride

Method: 9251

Matrix Type: NPW

Chloride

Method: 9214

FOT Name: Solid and Chemical Materials, Organic

Method: 8015B

Matrix Type: NPW/SCM

1,4-Dioxane
1-Propanol
2-Propanol (Isopropyl alcohol)
Ethanol
Methanol
1-Butanol (n-Butyl alcohol)
2-Methyl-1-propanol (Isobutyl alcohol)
Diesel range organics (DRO)
Ethylene glycol
t-Butyl alcohol

Method: 8081B

Matrix Type: NPW/SCM

4,4'-DDD
4,4'-DDT
Aldrin
alpha-Chlordane
Chlordane--not otherwise specified
Dieldrin
Endosulfan II
Endrin
Endrin Ketone
gamma-Chlordane
Heptachlor epoxide
Toxaphene
4,4'-DDE
Alachlor
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: 8151A

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FOT Name: Solid and Chemical Materials, Organic

Method: 8151A

Matrix Type: NPW/SCM

2,4,5-T
2,4,5-TP (Silvex)
2,4-D
2,4-DB
3,5-Dichlorobenzoic acid
4-Nitrophenol
Acifluorfen
Bentazon
Chloramben
Dalapon
DCPA diacid
Dicamba
Dichloroprop
Dinoseb
MCPA
MCPP
Pentachlorophenol
Picloram

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
1-Chlorobutane
2,2-Dichloropropane
2-Butanone (Methyl ethyl ketone, MEK)
2-Chloro-1,3-butadiene (Chloroprene)
2-Chloroethyl vinyl ether
2-Chlorotoluene
2-Hexanone
2-Nitropropane
4-Chlorotoluene
4-Methyl-2-pentanone (Methyl isobutyl ketone, MIBK
Acetone
Acetonitrile
Acrolein (Propenal)
Acrylonitrile
Allyl chloride
Benzene
Bromobenzene
Bromochloromethane
Bromodichloromethane
Bromoform
Bromomethane
Carbon disulfide
Carbon tetrachloride
Chlorobenzene
Chlorodibromomethane (Dibromochloromethane)
Chloroethane

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FOT Name: Solid and Chemical Materials, Organic

Matrix Type: NPW/SCM

Method: 8260B

- Chloromethane
- cis-1,2-Dichloroethene
- cis-1,4-Dichloro-2-butene
- Dichlorodifluoromethane
- Diethyl ether
- Ethyl ether
- Ethylbenzene
- Hexachloroethane
- Isopropylbenzene
- Methyl acrylate
- Methyl iodide (Iodmethane)
- Methyl methacrylate
- m-Xylene
- n-Butylbenzene
- n-Propylbenzene
- Pentachloroethane
- Propionitrile (Ethyl cyanide)
- sec-Butylbenzene
- t-Butyl alcohol
- Tetrachloroethene
- Toluene
- trans-1,3-Dichloropropene
- Trichloroethene
- Trichlorofluoromethane
- Vinyl chloride
- Xylenes (total)
- Chloroform
- Chloroprene
- cis-1,3-Dichloropropene
- Dibromomethane
- Dichloromethane (Methylene chloride)
- Ethyl acetate
- Ethyl methacrylate
- Hexachlorobutadiene
- Isopropyl ether
- Methacrylonitrile
- Methyl ethyl ketone
- Methyl isobutyl ketone
- Methyl-t-butyl ether
- Naphthalene
- Nitrobenzene
- o-Xylene
- p-Isopropyltoluene
- p-Xylene
- Styrene
- tert-Butylbenzene
- Tetrahydrofuran
- trans-1,2-Dichloroethene
- trans-1,4-Dichloro-2-butene
- Trichlorofluoromethane
- Vinyl acetate
- Vinylidene chloride

Method: 8270C

Matrix Type: NPW

- 1,4-Naphthoquinone
- 2-Naphthylamine
- 3-Methylcholanthrene
- 5-Nitro-o-toluidine
- Acetophenone
- Dallate
- 1-Naphthylamine
- 3,3'-Dimethylbenzidine
- 4-Aminobiphenyl
- 7,12-Dimethylbenz(a)anthracene
- Chlorobenzilate
- Dimethoate

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW

Ethyl methanesulfonate
Hexachloropropene
Isosafrole
Methyl methanesulfonate
N-Nitrosopiperidine
O,O,O-Triethyl phosphorothioate
p-Dimethylaminoazobenzene
Pronamide

Diphenylamine
Famphur
Isodrin
m-Dinitrobenzene
N-Nitrosodi-n-butylamine (N-Nitrosodibutylamine)
N-Nitrosopyrrolidine
Parathion
Pentachloronitrobenzene
Safrole

Matrix Type: NPW/SGM

1,2,4,5-Tetrachlorobenzene
1,2-Dichlorobenzene
1,3-Dichlorobenzene
1,4-Dioxane
2,4,6-Trichlorophenol
2,4-Dimethylphenol
2,4-Dinitrotoluene (2,4-DNT)
2-Chloronaphthalene
2-Methylnaphthalene
2-Nitrophenol
3-Nitroaniline
4-Bromophenyl phenyl ether
4-Chloroaniline
4-Nitroaniline
Acenaphthene
Aniline
Benzidine
Benzo(a)pyrene
Benzo(g,h,i)perlyene
Benzoic acid
Bis(2-chloroethoxy) methane
Bis(2-chloroisopropyl) ether
Butyl benzyl phthalate
Carbofuran (Furaden)
Dibenz(a,h)anthracene

1,2,4-Trichlorobenzene
1,2-Diphenylhydrazine
1,4-Dichlorobenzene
2,4,5-Trichlorophenol
2,4-Dichlorophenol
2,4-Dinitrophenol
2,6-Dinitrotoluene (2,6-DNT)
2-Chlorophenol
2-Nitroaniline
3,3'-Dichlorobenzidine
4,6-Dinitro-2-methylphenol
4-Chloro-3-methylphenol
4-Chlorophenyl phenyl ether
4-Nitrophenol
Acenaphthylene
Anthracene
Benzo(a)anthracene
Benzo(b)fluoranthene
Benzo(k)fluoranthene
Benzyl alcohol
Bis(2-chloroethyl) ether
Bis(2-ethylhexyl) phthalate
Carbazole
Chrysene
Dibenzofuran

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FOT Name: Solid and Chemical Materials, Organic

Method: 8270C

Matrix Type: NPW/SCM

- Dimethyl phthalate
- Di-n-octylphthalate
- Fluorene
- Hexachlorobutadiene
- Hexachloroethane
- Isophorone
- Methylpyrilene
- Nitrobenzene
- N-Nitrosodimethylamine
- N-Nitrosodiphenylamine
- o-Cresol (2-Methylphenol)
- p-Cresol (4-Methylphenol)
- Pentachlorophenol
- Phenol
- Pyridine
- Diethyl phthalate
- Di-n-butyl phthalate
- Fluoranthene
- Hexachlorobenzene
- Hexachlorocyclopentadiene
- Indeno(1,2,3-cd) pyrene
- m-Cresol (3-Methylphenol)
- Naphthalene
- N-Nitrosodiethylamine
- N-Nitrosodi-n-propylamine
- N-Nitrosomethylethylamine
- o-Toluidine
- Pentachlorobenzene
- Phenanthrene
- Pyrene

Method: 8270C Mod_Farm Chemicals

Matrix Type: NPW/SCM

- Acetochlor
- Atrazine
- Cyanazine
- Metolachlor
- Pendimethalin
- Trifluralin
- Alachlor
- Butylate
- EPTC
- Metribuzin
- Simazine