# REPORT OF DRINKING WATER SAMPLING FOR LEAD CONTENT:

**LUSHER ELEMENTARY SCHOOL**
**2015 MULLANPHY LANE**
**FLORISSANT, MO 63031**

Hazelwood School District
"A Culture of High Expectations and Excellence!"

***PREPARED FOR:***

**MR. DAVID DUDLEY**
**DIRECTOR OF MAINTENANCE**
**HAZELWOOD SCHOOL DISTRICT**
**15875 NEW HALLS FERRY RD**
**FLORISSANT, MISSOURI 63031**

***PREPARED BY:***

**ENPAQ, LLC**
**3130 GRAVOIS AVENUE**
**ST. LOUIS, MISSOURI 63139**

**JULY 2023**

**DOCUMENT TO BE RETAINED INDEFINITELY**

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23-170
Drinking Water Sampling for Lead
Hazelwood School District
Lusher Elementary School
2015 Mullanphy Lane
Florrissant, MO 63031

# EXECUTIVE SUMMARY

ENPAQ, LLC performed lead testing of multiple drinking fountain water sources at the Lusher Elementary School located at 2015 Mullanphy Lane in Florissant, Missouri. The sampling was performed by trained and licensed personnel in accordance with USEPA, HUD, and State of Missouri Regulations and Guidelines.

All inspectors involved with sampling activities had EPA-approved training in Lead. Credentials for our firm and the inspector collecting the samples are included in Attachment 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, ENPAQ inspectors met at the school 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. The sampling was completed in accordance with the Missouri SB681 *Get the Lead Out of Schools Drinking Water Act* requirements. The Missouri SB681 *Get the Lead Out of Schools Drinking Water Act* 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 seventeen (17) different locations throughout Lusher Elementary School during the sampling event. The water samples were collected from drinking fountains utilized for drinking activities at the campus. After sample collection, samples were immediately delivered to Teklab, Inc. located in Collinsville, Illinois following strict chain of custody procedures. Teklab is a NELAP-accredited and State of Missouri-licensed laboratory specializing in drinking water analysis. Detailed sampling locations and sample results are located in Attachment A of this report.

**Any samples reported over 5.0 ppb should be re-sampled on an annual basis at a minimum**.

**The following results require written notification per the Missouri SB681 *Get the Lead Out of Schools Drinking Water Act* for samples reported above 5.0 ppb.**

**"First Draw" Sampling**
**Sample ID 12A Room 9 Sink (39.7 ppb)**

**"Follow-Up" Sampling**
**Sample ID 12B Room 9 Sink (<1.0 ppb)**

**“First Draw” Sampling**

| | | |
|---|---|---|
| **Sample ID 15A** | **Room 3 Sink** | **(31.1 ppb)** |

**“Follow-Up” Sampling**

| | | |
|---|---|---|
| **Sample ID 15B** | **Room 3 Sink** | **(<1.0 ppb)** |

# CONCLUSION/RECOMMENDATIONS

At this time, ENPAQ recommends that all water sources testing at 5.0 ppb or above be removed from service. These sources are subject to additional maintenance activities and remediation prior to use. Before being put back into service, it is recommended these sources be re-tested to confirm compliance with acceptable levels.

Remediation includes decreasing lead concentrations below 5 parts per billion using methods such as replacement of plumbing, solder, fittings, or fixtures, installation of filters and filter devices, or other effective methods in accordance with Missouri SB681 *Get the Lead Out of Schools Drinking Water Act.*

In addition, all sources will be subject to an ongoing maintenance program and re-testing at appropriate intervals. **Any samples reported over 5.0 ppb should be re-sampled on an annual basis at a minimum**.

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

# APPENDIX A
# SAMPLE LOCATIONS & RESULTS

Hazelwood School District

**Lusher Elementary School**
**2015 Mullanphy Road**
**Florissant, MO 63031**

ENPAQ, LLC

**Prep Day: 7/24/23**

**Sample Day: 7/25/23**

**To Lab -----> 7/25/23**

* Reporting Limit

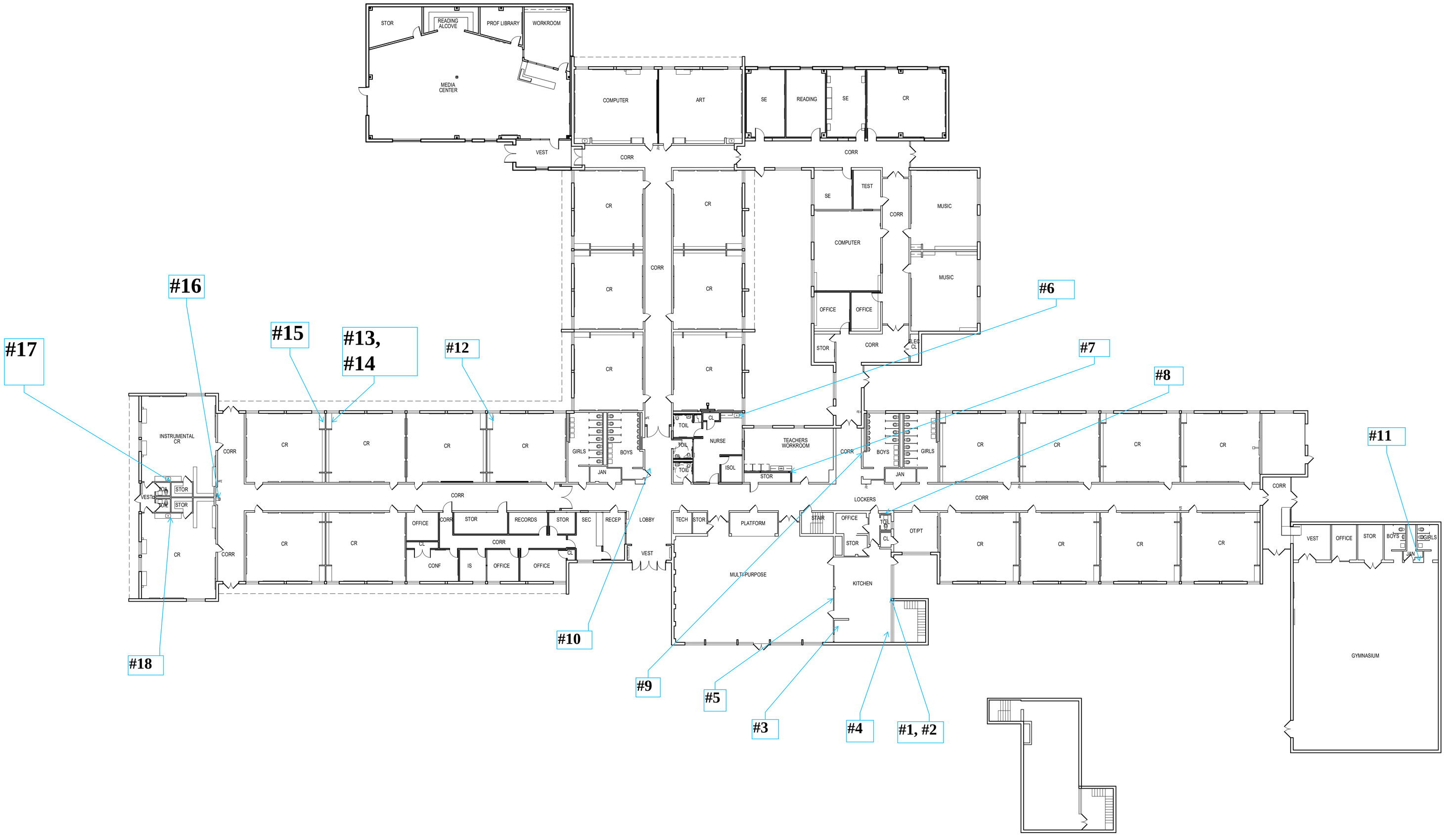
| | |
|---|---|
| # Disabled = | **1** |
| # of Samples = | **34** |
| # > 10.0 ppb = | **2** |
| # > 5.0 ppb = | **0** |

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|
| 01 | (A) | S | Kitchen Prep Sink- Left | | 1.0 | <1.0 ppb |
| | (B) | S | Kitchen Prep Sink- Left | | 1.0 | <1.0 ppb |
| | (C) | | | | 1.0 | N/A ppb |
| 02 | (A) | S | Kitchen Prep Sink- Right | | 1.0 | <1.0 ppb |
| | (B) | S | Kitchen Prep Sink- Right | | 1.0 | <1.0 ppb |
| 03 | (A) | S | Dishwashing Sink | | 1.0 | <1.0 ppb |
| | (B) | S | Dishwashing Sink | | 1.0 | <1.0 ppb |
| 04 | (A) | S | Pot Filler | | 1.0 | 1.7 ppb |
| | (B) | S | Pot Filler | | 1.0 | <1.0 ppb |
| 05 | (A) | F | Café Fountain | | 1.0 | <1.0 ppb |
| | (B) | F | Café Fountain | | 1.0 | <1.0 ppb |
| 06 | (A) | S | Nurse Office Sink | | 1.0 | <1.0 ppb |
| | (B) | S | Nurse Office Sink | | 1.0 | <1.0 ppb |
| 07 | (A) | S | Teachers Lounge Sink | | 1.0 | <1.0 ppb |
| | (B) | S | Teachers Lounge Sink | | 1.0 | <1.0 ppb |
| 08 | (A) | F | Fountain O/S Room 118 | | 1.0 | <1.0 ppb |
| | (B) | F | Fountain O/S Room 118 | | 1.0 | <1.0 ppb |
| 09 | (A) | F | Fountain O/S Room 112 | | 1.0 | <1.0 ppb |
| | (B) | F | Fountain O/S Room 112 | | 1.0 | <1.0 ppb |
| 10 | (A) | F | Fountain O/S Room 12 | | 1.0 | <1.0 ppb |
| | (B) | F | Fountain O/S Room 12 | | 1.0 | <1.0 ppb |
| 11 | (A) | F | Gym Fountain | | 1.0 | <1.0 ppb |
| | (B) | F | Gym Fountain | | 1.0 | 1.3 ppb |

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|
| 12 | (A) | S | Room 9 Sink | | 1.0 | 39.7 ppb |
| | (B) | S | Room 9 Sink | | 1.0 | <1.0 ppb |
| 13 | (A) | S | Room 5 Sink | | 1.0 | 1.9 ppb |
| | (B) | S | Room 5 Sink | | 1.0 | <1.0 ppb |
| 14 | (A) | F | Room 5 Fountain (Inactive) | | 1.0 | N/A ppb |
| | (B) | F | Room 5 Fountain (Inactive) | | 1.0 | N/A ppb |
| 15 | (A) | S | Room 3 Sink | | 1.0 | 31.1 ppb |
| | (B) | S | Room 3 Sink | | 1.0 | <1.0 ppb |
| 16 | (A) | F | Fountain O/S Room 3 | | 1.0 | <1.0 ppb |
| | (B) | F | Fountain O/S Room 3 | | 1.0 | <1.0 ppb |
| 17 | (A) | S | Room 1 Sink | | 1.0 | <1.0 ppb |
| | (B) | S | Room 1 Sink | | 1.0 | <1.0 ppb |
| 18 | (A) | S | Room 2 Sink | | 1.0 | <1.0 ppb |
| | (B) | S | Room 2 Sink | | 1.0 | <1.0 ppb |

**Sample ID Coding Key:**

F = Fountain
S = Sink
(A) = 1st Sample
(B) = 2nd Sample (30 Seconds Later)
(C) = 3rd Sample (3 Minutes Later)




North

1ST FLOOR PLAN

0 4' 8' 16' 32'

ARCHITECTS
1790 S. Brentwood Blvd.
St. Louis, Missouri 63144


# LUSHER ELEMENTARY SCHOOL

HAZELWOOD SCHOOL DISTRICT, ST. LOUIS COUNTY, MISSOURI

21-100 03-09-2021

# APPENDIX B
# LABORATORY ANALYSIS

September 01, 2023

Tony Hagerty
ENPAQ, LLC
3130 Gravois Ave
St. Louis, MO 63118
TEL: (314) 449-1976
FAX:

| | |
|---|---|
| Illinois | 100226 |
| Kansas | E-10374 |
| Louisiana | 05002 |
| Louisiana | 05003 |
| Oklahoma | 9978 |

**RE:** Hazelwood SD/23-170 Lusher Elementary School **WorkOrder:** 23071724

Dear Tony Hagerty:

TEKLAB, INC received 34 samples on 7/25/2023 11:18:00 AM 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,

Elizabeth A. Hurley

Elizabeth A. Hurley
Director of Customer Service
(618)344-1004 ex 33
ehurley@teklabinc.com

# Report Contents



**Client:** ENPAQ, LLC
**Work Order:** 23071724
**Client Project:** Hazelwood SD/23-170 Lusher Elementary School
**Report Date:** 01-Sep-23

**This reporting package includes the following:**

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

| 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 |
| NC | Data is not acceptable for compliance purposes |
| 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 ) |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

## 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
- J - Analyte detected below quantitation limits
- 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

# Case Narrative

http://www.teklabinc.com/

**Client:** ENPAQ, LLC

**Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School

**Report Date:** 01-Sep-23

**Cooler Receipt Temp:** NA °C

## Locations


### Collinsville

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

### Springfield

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

### Kansas City

**Address** 8421 Nieman Road
Lenexa, KS 66214
**Phone** (913) 541-1998
**Fax** (913) 541-1998
**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

### Chicago

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

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

| State | Dept | Cert # | NELAP | Exp Date | Lab |
|---|---|---|---|---|---|
| Illinois | IEPA | 100226 | NELAP | 1/31/2024 | Collinsville |
| Kansas | KDHE | E-10374 | NELAP | 4/30/2024 | Collinsville |
| Louisiana | LDEQ | 05002 | NELAP | 6/30/2024 | Collinsville |
| Louisiana | LDEQ | 05003 | NELAP | 6/30/2024 | Collinsville |
| Oklahoma | ODEQ | 9978 | NELAP | 8/31/2023 | Collinsville |
| Arkansas | ADEQ | 88-0966 | | 3/14/2024 | Collinsville |
| Illinois | IDPH | 17584 | | 5/31/2025 | Collinsville |
| Iowa | IDNR | 430 | | 6/1/2024 | Collinsville |
| Kentucky | UST | 0073 | | 1/31/2024 | Collinsville |
| Missouri | MDNR | 00930 | | 5/31/2023 | Collinsville |
| Missouri | MDNR | 930 | | 1/31/2025 | Collinsville |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-001 **Client Sample ID:** 01A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/31/2023 9:48 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-002 **Client Sample ID:** 01B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 16:36 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-003 **Client Sample ID:** 02A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/29/2023 13:06 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-004 **Client Sample ID:** 02B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 16:45 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-005 **Client Sample ID:** 03A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/31/2023 11:09 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-006 **Client Sample ID:** 03B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 16:49 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-007 **Client Sample ID:** 04A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **1.7** | µg/L | 1 | 08/29/2023 13:11 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-008 **Client Sample ID:** 04B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 16:58 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-009 **Client Sample ID:** 05A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 17:30 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-010 **Client Sample ID:** 05B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 17:34 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-011 **Client Sample ID:** 06A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 17:39 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-012 **Client Sample ID:** 06B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 17:43 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-013 **Client Sample ID:** 07A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 17:48 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-014 **Client Sample ID:** 07B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 17:52 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-015 **Client Sample ID:** 08A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/29/2023 14:23 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-016 **Client Sample ID:** 08B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/29/2023 13:15 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-017 **Client Sample ID:** 09A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/29/2023 13:51 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-018 **Client Sample ID:** 09B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/29/2023 13:56 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-019 **Client Sample ID:** 10A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/29/2023 14:00 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-020 **Client Sample ID:** 10B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/29/2023 14:05 | 210347 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-021 **Client Sample ID:** 11A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 17:52 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-022 **Client Sample ID:** 11B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **1.3** | µg/L | 1 | 08/26/2023 17:56 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-023 **Client Sample ID:** 12A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **39.7** | µg/L | 1 | 08/26/2023 18:21 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-024 **Client Sample ID:** 12B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:25 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-025 **Client Sample ID:** 13A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **1.9** | µg/L | 1 | 08/26/2023 17:59 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-026 **Client Sample ID:** 13B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:29 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-027 **Client Sample ID:** 15A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **31.1** | µg/L | 1 | 08/26/2023 18:32 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-028 **Client Sample ID:** 15B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:36 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-029 **Client Sample ID:** 16A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:40 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-030 **Client Sample ID:** 16B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:43 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-031 **Client Sample ID:** 17A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:47 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-032 **Client Sample ID:** 17B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:51 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-033 **Client Sample ID:** 18A

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 18:54 | 210348 |

**Client:** ENPAQ, LLC **Work Order:** 23071724

**Client Project:** Hazelwood SD/23-170 Lusher Elementary School **Report Date:** 01-Sep-23

**Lab ID:** 23071724-034 **Client Sample ID:** 18B

**Matrix:** DRINKING WATER **Collection Date:** 07/25/2023 0:00

| Analyses | Certification | RL | Qual | Result | Units | DF | Date Analyzed | Batch |
|---|---|---|---|---|---|---|---|---|
| **EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)** | | | | | | | | |
| Lead | NELAP | 1.0 | | **< 1.0** | µg/L | 1 | 08/26/2023 19:09 | 210348 |

# Receiving Check List

http://www.teklabinc.com/

**Client:** ENPAQ, LLC
**Work Order:** 23071724
**Client Project:** Hazelwood SD/23-170 Lusher Elementary School
**Report Date:** 01-Sep-23

**Carrier:** Employee
**Received By:** MBP

**Completed by:** Lindsey Maddox
**On:** 27-Jul-23

**Reviewed by:** Ellie Hopkins
**On:** 27-Jul-23

**Pages to follow:** Chain of custody 4 Extra pages included 6

| | | | | | | |
|---|---|---|---|---|---|---|
| Shipping container/cooler in good condition? | Yes ☑ | No ☐ | Not Present ☐ | Temp °C | NA | |
| 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 preserved with bromine chloride for low level mercury analysis upon arrival at the laboratory. - lmaddox - 7/27/2023 10:51:11 AM

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# CHAIN OF CUSTODY

Pg 1 of 4 Workorder # 23071724

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

Client: ENPAQ, LLC
Address: 3130 Gravois Ave.
City/State/Zip: Collinsville, IL 62234
Contact: Anthony Hagerty Phone: (314) 449-1976
Email: tony.hagerty@enpaqconsulting.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☒ NO ICE NA °C
Preserved in: ☒ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Client Comments: Lusher Elementary School
Please 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: Hazelwood SD/ 23-170

SAMPLE COLLECTOR'S NAME: Anthony Hagerty

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23071724-001 | 01A | 7/25/23 | Aqueous | X | | | | | | | | | |
| -002 | 01B | | Aqueous | | | | | | | | | | |
| -003 | 02A | | Aqueous | | | | | | | | | | |
| -004 | 02B | | Aqueous | | | | | | | | | | |
| -005 | 03A | | Aqueous | | | | | | | | | | |
| -006 | 03B | | Aqueous | | | | | | | | | | |
| -007 | 04A | | Aqueous | | | | | | | | | | |
| -008 | 04B | | Aqueous | | | | | | | | | | |
| -009 | 05A | | Aqueous | | | | | | | | | | |
| -010 | 05B | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| A Hagerty | 7/25/23 | Maryam Peltan | 7/25/23 1118 |
| | | | |
| | | | |
| | | | |

*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

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# CHAIN OF CUSTODY

Pg 2 of 4 Workorder # 23071724

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

Client: ENPAQ, LLC
Address: 3130 Gravois Ave.
City/State/Zip: Collinsville, IL 62234
Contact: Anthony Hagerty Phone: (314) 449-1976
Email: tony.hagerty@enpaqconsulting.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Client Comments: Lusher Elementary School
Please 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: Hazelwood SD/ 23-170
SAMPLE COLLECTOR'S NAME: Anthony Hagerty

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23071724-011 | 06 A | 7/25/23 | Aqueous | X | | | | | | | | | |
| -012 | 06 B | | Aqueous | | | | | | | | | | |
| -013 | 07 A | | Aqueous | | | | | | | | | | |
| -014 | 07 B | | Aqueous | | | | | | | | | | |
| -015 | 08 A | | Aqueous | | | | | | | | | | |
| -016 | 08 B | | Aqueous | | | | | | | | | | |
| -017 | 09 A | | Aqueous | | | | | | | | | | |
| -018 | 09 B | | Aqueous | | | | | | | | | | |
| -019 | 10 A | | Aqueous | | | | | | | | | | |
| -020 | 10 B | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| A Hagerty | 7/25/23 | Mary Lou Porter | 7/25/23 1118 |
| | | | |
| | | | |
| | | | |

*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

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# CHAIN OF CUSTODY

Pg 3 of 4 Workorder # 23071724

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

Client: ENPAQ, LLC
Address: 3130 Gravois Ave.
City/State/Zip: Collinsville, IL 62234
Contact: Anthony Hagerty Phone: (314) 449-1976
Email: tony.hagerty@enpaqconsulting.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Client Comments: Lusher Elementary School
Please 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: Hazelwood SD/ 23-170
SAMPLE COLLECTOR'S NAME: Anthony Hagerty

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23071724-021 | 11 A | 7/25/23 | Aqueous | X | | | | | | | | | |
| -022 | 11 B | | Aqueous | | | | | | | | | | |
| -023 | 12 A | | Aqueous | | | | | | | | | | |
| -024 | 12 B | | Aqueous | | | | | | | | | | |
| -025 | 13 A | | Aqueous | | | | | | | | | | |
| -026 | 13 B | | Aqueous | | | | | | | | | | |
| -027 | 15 A | | Aqueous | | | | | | | | | | |
| -028 | 15 B | | Aqueous | | | | | | | | | | |
| -029 | 16 A | | Aqueous | | | | | | | | | | |
| -030 | 16 B | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| A Hagerty | 7/25/23 | Maryann Perkins | 7/25/23 1118 |
| | | | |
| | | | |
| | | | |

*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

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# CHAIN OF CUSTODY

Pg 9 of 4 Workorder # 23071724

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

Client: ENPAQ, LLC
Address: 3130 Gravois Ave.
City/State/Zip: Collinsville, IL 62234
Contact: Anthony Hagerty Phone: (314) 449-1976
Email: tony.hagerty@enpaqconsulting.com Fax:

Samples on: ☐ ICE ☐ BLUE ICE ☐ NO ICE _____ °C
Preserved in: ☐ LAB ☐ FIELD FOR LAB USE ONLY
LAB NOTES:

Client Comments: Lusher Elementary School
Please 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: Hazelwood SD/ 23-170

SAMPLE COLLECTOR'S NAME: Anthony Hagerty

RESULTS REQUESTED
☑ Standard ☐ 1-2 Day (100% Surcharge)
☐ Other _____ ☐ 3 Day (50% Surcharge)

BILLING INSTRUCTIONS

| Lab Use Only | Sample ID | Date/Time Sampled | Matrix | # and Type of Containers: UNP | HNO3 | NaOH | H2SO4 | HCL | MeOH | NaHSO4 | TSP | Other | INDICATE ANALYSIS REQUESTED |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 23071724-031 | 17A | 7/25/23 | Aqueous | X | | | | | | | | | |
| -032 | 17B | | Aqueous | | | | | | | | | | |
| -033 | 18A | | Aqueous | | | | | | | | | | |
| -034 | 18B | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |
| | | | Aqueous | | | | | | | | | | |

| Relinquished By | Date/Time | Received By | Date/Time |
|---|---|---|---|
| A Hagerty | 7/25/23 | Maryam Peace | 7/25/23 1118 |
| | | | |
| | | | |
| | | | |

*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

Hazelwood School District

**Lusher Elementary School**
**2015 Mullanphy Road**
**Florissant, MO 63031**

ENPAQ, LLC

**Prep Day: 7/24/23**

**Sample Day: 7/25/23**

**To Lab -----> 7/25/23**

* Reporting Limit

# to Test =
# Disabled =
# of Samples =
# > 10.0 ppb =
# > 0.5 ppb =

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|
| 01 | (A) | S | Kitchen Prep Sink- Left | | 1.0 | ppb |
| | (B) | S | Kitchen Prep Sink- Left | | 1.0 | 1.0 ppb |
| | (C) | | | | 1.0 | 22.0 ppb |
| 02 | (A) | S | Kitchen Prep Sink- Right | | 1.0 | 135.0 ppb |
| | (B) | S | Kitchen Prep Sink- Right | | 1.0 | ppb |
| 03 | (A) | S | Dishwashing Sink | | 1.0 | ppb |
| | (B) | S | Dishwashing Sink | | 1.0 | ppb |
| 04 | (A) | S | Pot Filler | | 1.0 | ppb |
| | (B) | S | Pot Filler | | 1.0 | ppb |
| 05 | (A) | F | Café Fountain | | 1.0 | ppb |
| | (B) | F | Café Fountain | | 1.0 | ppb |
| 06 | (A) | S | Nurse Office Sink | | 1.0 | ppb |
| | (B) | S | Nurse Office Sink | | 1.0 | ppb |
| 07 | (A) | S | Teachers Lounge Sink | | 1.0 | ppb |
| | (B) | S | Teachers Lounge Sink | | 1.0 | ppb |
| 08 | (A) | F | Fountain O/S Room 118 | | 1.0 | ppb |
| | (B) | F | Fountain O/S Room 118 | | 1.0 | ppb |
| 09 | (A) | F | Fountain O/S Room 112 | | 1.0 | ppb |
| | (B) | F | Fountain O/S Room 112 | | 1.0 | ppb |
| 10 | (A) | F | Fountain O/S Room 12 | | 1.0 | ppb |
| | (B) | F | Fountain O/S Room 12 | | 1.0 | ppb |
| 11 | (A) | F | Gym Fountain | | 1.0 | ppb |
| | (B) | F | Gym Fountain | | 1.0 | ppb |

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##

**(Continuation Sheet)**

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|
| 12 | (A) | S | Room 9 Sink | | 1.0 | ppb |
| | (B) | S | Room 9 Sink | | 1.0 | ppb |
| 13 | (A) | S | Room 5 Sink | | 1.0 | ppb |
| | (B) | S | Room 5 Sink | | 1.0 | ppb |
| 14 | (A) | F | Room 5 Fountain (Inactive) | | - | ppb |
| | (B) | F | Room 5 Fountain (Inactive) | | - | ppb |
| 15 | (A) | S | Room 3 Sink | | 1.0 | ppb |
| | (B) | S | Room 3 Sink | | 1.0 | ppb |
| 16 | (A) | F | Fountain O/S Room 3 | | 1.0 | ppb |
| | (B) | F | Fountain O/S Room 3 | | 1.0 | ppb |
| 17 | (A) | S | Room 1 Sink | | 1.0 | ppb |
| | (B) | S | Room 1 Sink | | 1.0 | ppb |
| 18 | (A) | S | Room 2 Sink | | 1.0 | ppb |
| | (B) | S | Room 2 Sink | | 1.0 | ppb |
| 19 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 20 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 21 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 22 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 23 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 24 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 25 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |

##

(Continuation Sheet)

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|

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| | | | | | | |
|---|---|---|---|---|---|---|
| 26 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 27 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 28 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 29 | (A) | | | | - | ppb |
| | (B) | | | | - | ppb |
| 30 | (A) | | | | - | ppb |
| | (B) | | | | - | ppb |
| 31 | (A) | | | | 2.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 32 | (A) | | | | - | ppb |
| | (B) | | | | - | ppb |
| 33 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 34 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 35 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 36 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 37 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 38 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 39 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |

**##**

**(Continuation Sheet)**

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|
| 40 | (A) | | | | 1.0 | ppb |

| | | | | | | |
|---|---|---|---|---|---|---|
| | (B) | | | | 1.0 | ppb |
| 41 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 42 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 43 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 44 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 45 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 46 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 47 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 48 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 49 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 50 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 51 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 52 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 53 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |

##

(Continuation Sheet)

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|
| 54 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |

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| | | | | | | |
|---|---|---|---|---|---|---|
| 55 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 56 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 57 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 58 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 59 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 60 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 61 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 62 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 63 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 64 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 65 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 66 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |
| 67 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |

**##**

**(Continuation Sheet)**

| Source | Sample ID # | Sample Type | Sample Location | Source Notes | RL * | Lead Test Result |
|---|---|---|---|---|---|---|
| 68 | (A) | | | | 1.0 | ppb |
| | (B) | | | | 1.0 | ppb |

2301774

**Sample ID Coding Key:**

F = Fountain

S = Sink

(A) = 1st Sample

(B) = 2nd Sample (30 Seconds Later)

(C) = 3rd Sample (3 Minutes Later)

2307124

# APPENDIX C
# CREDENTIALS

# STATE OF MISSOURI
# DEPARTMENT OF HEALTH AND SENIOR SERVICES

## Lead Abatement Contractor License

The person, firm or corporation whose name appears on this certificate is licensed as a Lead Abatement Contractor as set forth in the Missouri Revised Statutes 701.300-701.338 and 19 CSR 30-70.180, as long as not suspended or revoked, and is hereby authorized to engage in lead-bearing substance activities.

Issued to:

# ENPAQ, LLC

**2321 Rutger Street, Unit F**
**St. Louis, MO 63104**

| | |
|---|---|
| Issuance Date: | **2/10/2023** |
| Expiration Date: | **2/26/2025** |
| License Number: | **190226-004574** |

Paula F. Nickelson
Acting Director
Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102

# STATE OF MISSOURI
# DEPARTMENT OF HEALTH AND SENIOR SERVICES

## LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

# Anthony W. Hagerty

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

**Lead Risk Assessor**
Category of License

| | |
|---|---|
| Issuance Date: | **10/17/2022** |
| Expiration Date: | **10/31/2024** |
| License Number: | **161031-300005062** |

Paula F. Nickelson
Acting Director
Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102

COLLEGE FOR

# PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

## Anthony Hagerty

3959 McDonald Ave, St. Louis, MO 63116

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

**Lead Risk Assessor Refresher**

St. Louis, MO

Certificate # CEET 325 - 3/7/2022 - **190510**
Examination Date: 3/7/2022
CEUs: 0.8

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

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.

# STATE OF MISSOURI
# DEPARTMENT OF HEALTH AND SENIOR SERVICES

## LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

# James T. Earle

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

**Lead Risk Assessor**
Category of License

| | |
|---|---|
| Issuance Date: | **7/30/2022** |
| Expiration Date: | **7/30/2024** |
| License Number: | **180730-300005561** |

Paula F. Nickelson
Acting Director
Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102

COLLEGE FOR

# PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

## James Earle

7484 Ahern Ct., University City, MO 63130

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

## Lead Risk Assessor Refresher

St. Louis, MO

Certificate # CEET 325 - 3/7/2022 - **117401**
Examination Date: 3/7/2022
CEUs: 0.8

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

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.

# STATE OF MISSOURI
# DEPARTMENT OF HEALTH AND SENIOR SERVICES

## LEAD OCCUPATION LICENSE REGISTRATION

Issued to:

# Zachary A. Haselhorst

The person, firm or corporation whose name appears on this certificate has fulfilled the requirements for licensure as set forth in the Missouri Revised Statutes 701.300-701.338, as long as not suspended or revoked, and is hereby authorized to engage in the activity listed below.

**Lead Risk Assessor**
Category of License

| | |
|---|---|
| Issuance Date: | **3/1/2022** |
| Expiration Date: | **3/1/2024** |
| License Number: | **160229-300004899** |

Richard W. Moore
Acting Director
Department of Health and Senior Services

Lead Licensing Program, PO Box 570, Jefferson City, MO 65102

COLLEGE FOR

# PUBLIC HEALTH & SOCIAL JUSTICE

SAINT LOUIS UNIVERSITY

CENTER FOR ENVIRONMENTAL EDUCATION AND TRAINING

verifies that

## Zachary Haselhorst

209 E 5th St, Trenton, IL 62293

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

## Lead Risk Assessor Refresher

St. Louis, MO

Certificate # CEET 325 - 3/7/2022 - **117400**

Examination Date: 3/7/2022

CEUs: 0.8

Christopher C. King

Christopher C. King PhD

Director, Center for Environmental Education and Training

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.

# State of Missouri
# Department of Natural Resources

## Certificate of Approval
## for Chemical Laboratory Service

This is to certify that

# Teklab, Incorporated

is hereby approved to perform the analysis of drinking water as specified on the Certified Parameter List, which must accompany this certificate to be valid.

Certification Number 930

Date Issued December 13, 2021

Expiration Date January 31, 2025

Laboratory Certification Authority, Public Drinking Water Branch
Missouri Department of Natural Resources

Laboratory Certification Officer, Environmental Services Program
Missouri Department of Natural Resources

**MISSOURI DEPARTMENT OF NATURAL RESOURCES**

**DRINKING WATER LABORATORY**

**CERTIFIED PARAMETER LIST**

This is to certify that

# Teklab, Incorporated

located at

5445 Horseshoe Lake Road, Collinsville, IL 62234

has been approved to perform the indicated procedures on drinking water under the Missouri Public Drinking Water Regulations (10 CSR 60-5.020). Specific method numbers or references are included in parenthesis when appropriate.

## INORGANIC

**EPA 335.4**
Total Cyanide

**EPA 353.2**
Nitrate, Nitrite, Total Nitrate and Nitrite

**EPA 245.1**
Mercury

**EPA 200.7**
Barium, Beryllium, Cadmium, Chromium, Copper, Nickel

**EPA 200.8**
Antimony, Arsenic, Barium, Beryllium, Cadmium, Chromium, Copper, Lead, Nickel, Selenium, Thallium

**SM4500F-C**
Fluoride

**SM4500NO2-B**
Nitrite

**Teklab, Incorporated**

**Expiration Date: January 31, 2025**

**Missouri Certificate No.: 930**

**Original Certifying State: Illinois**