April 2, 2024

Mr. Christopher Pyle  
Sedalia School District 200  
Assistant Superintendent  
pylec@sedalia200.org

RE: Sedalia School District – Drinking Water Testing Services (Confirmation)  
Parkview Elementary  
1901 South New York Avenue

Dear Mr. Pyle:

Blackstone Environmental Inc., (Blackstone) has been contracted by the Sedalia School District to provide lead in drinking water sampling for the high-priority potable water sources throughout the school district. The objective of the sampling was to determine the lead concentrations in the high priority potable water sources throughout the school district and to identify sources exceeding the Missouri SB681 Action Level of 5 parts per billion (ppb).

Background

Testing and reporting has been conducted in accordance with Missouri State Statute 160-077, Get the Lead Out of School Drinking Water Act, and included sampling of potable water fixtures used for drinking or food preparation including water fountains, faucets, taps, ice making machines, hot drink machines, and outlets used for dispensing water for cooking or for cleaning cooking and eating utensils.

Field Sampling

Field sampling procedures included preparing an inventory of drinking water outlets and outlets that are used for dispensing water for cooking or for cleaning cooking and eating utensils. Each of these locations are marked on the facility maps included in Attachment A.

Each water source was flushed for a minimum of five minutes. Signage was then attached to the source to prevent it from being used prior to sample collection. Between 8 and 18 hours after the source was flushed, Blackstone personnel returned to collect a water sample into laboratory supplied 250-mL sample containers for analysis of total lead concentration by EPA Method 200.8. New nitrile gloves were worn for each sample collection. Labels were prepared and affixed to each sampling container stating the sample location, technicians name, and date and time of sample collection. Field forms were prepared for each school to document pertinent information including sample identification, type of source, time flushed, and time sampled. Field information forms are included in Attachment B.

Once sampling was complete, the samples were transferred under proper chain-of-custody procedures to TekLab, Inc. of Collinsville, Illinois for analysis.
Analytical Summary

One confirmation water sample was collected from Parkview Elementary located at 1901 South New York Avenue. A summary table is included in Attachment C. The sample collected did not exceed the Missouri SB681 Action Level for lead of 5 ppb.

A copy of the laboratory analytical report is included as Attachment D.

Recommendations

Based on the analytical results, no further action is recommended.

Limitations

This report was prepared in accordance with that level of skill and care ordinarily exercised by other members of Blackstone’s profession practicing in the same locality and under similar conditions when the services were provided. No warranties, express or implied, are intended or made.

Closing

If you have any questions, or need further assistance, please contact Lindsay James at 913-956-4160 or Randy Seamans at 913-495-9990.

Respectfully,

BLACKSTONE ENVIRONMENTAL, INC.

Randy Seamans
Environmental Technician

Lindsay E. James, R.G.
Senior Project Manager

Enclosures
Attachment A – Facility Maps
Attachment B – Field Forms
Attachment C – Summary Table
Attachment D – Laboratory Analytical Report
ATTACHMENT A

Parkview Elementary Facility Maps
Parkview Safety Evacuation

1901 S New York Ave

Fire Exit #1: #25, #26, #27 to Playground

Fire Exit #2: #1, #2, #3, Lounge, Go West on Sidewalk. Go North on Sidewalk on New York Street

Fire Exit #3: Library, #24, #4, #11, #12, #13, #14, #15, #22, #23, #24 West Down Sidewalk

Fire Exit #4: #5, #6, #7, #8, #9, #10 North to Fence and Walk West to Sidewalk

Janitorial Closet

Conference Room
Walker Crafton

Lounge/Workroom

Exit 1

Exit 2

Exit 3

Exit 4

Exit 5

Exit 6

Exit 7

Exit 8

Exit 9

Exit 10
ATTACHMENT B

Parkview Elementary
Field Forms
Sample ID = School abbrev + Floor + Type + Test number (Ex: ME1DF1)

<table>
<thead>
<tr>
<th>Test #</th>
<th>Floor #</th>
<th>Sink (S)</th>
<th>Fountain (DF)</th>
<th>Other (O)</th>
<th>Location and Description</th>
<th>Time Purged</th>
<th>Time Sampled</th>
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<tr>
<td></td>
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<td></td>
<td></td>
<td>PVE1S49 - Dish sink in Kitchen (Right)</td>
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<tr>
<td>Parkview Elementary Summary Table</td>
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</table>
Confirmation Summary Table  
Parkview Elementary

<table>
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<tr>
<th>Sample ID</th>
<th>Date</th>
<th>Analyte</th>
<th>Result</th>
<th>Unit</th>
<th>Reporting Limit</th>
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</thead>
<tbody>
<tr>
<td>PVE1S49</td>
<td>3/16/2024</td>
<td>Lead</td>
<td>ND</td>
<td>µg/L</td>
<td>1</td>
</tr>
</tbody>
</table>

µg/L: micrograms per liter  
Bolded results indicate detection above reporting limits  
Results in red indicate Action Level of 5 ppb for lead is exceeded
Sedalia School District
Drinking Water Testing Services

ATTACHMENT D

Parkview Elementary
Laboratory Analytical Report
March 26, 2024

Randy Seamans
Blackstone Environmental, Inc.
16200 Foster Street
Overland Park, KS 66085
TEL: (913) 495-9990
FAX:

RE: Sedalia School District 200 - Parkview Elem

WorkOrder: 24031383

Dear Randy Seamans:

TEKLAB, INC received 1 sample on 3/19/2024 11:10:00 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,

Shelly A. Hennessy
Project Manager
(618)344-1004 ex 36
SHennessy@teklabinc.com
This reporting package includes the following:

- Cover Letter 1
- Report Contents 2
- Definitions 3
- Case Narrative 5
- Accreditations 6
- Laboratory Results 7
- Receiving Check List 8
- Chain of Custody Appended
**Abbr Definition**

*A* 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 )
Definitions

Client: Blackstone Environmental, Inc.
Client Project: Sedalia School District 200 - Parkview Elem
Work Order: 24031383
Report Date: 26-Mar-24

Qualifiers

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

Client: Blackstone Environmental, Inc.
Client Project: Sedalia School District 200 - Parkview Elem
Report Date: 26-Mar-24
Work Order: 24031383

Cooler Receipt Temp: N/A °C

Locations

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<th>Collinsville</th>
<th>Springfield</th>
<th>Kansas City</th>
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<td>3920 Pintail Dr</td>
<td>8421 Nieman Road</td>
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<tr>
<td></td>
<td>Springfield, IL 62711-9415</td>
<td>Lenexa, KS 66214</td>
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<tr>
<td><strong>Phone</strong></td>
<td>(217) 698-1004</td>
<td>(913) 541-1998</td>
</tr>
<tr>
<td><strong>Fax</strong></td>
<td>(217) 698-1005</td>
<td>(913) 541-1998</td>
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<tr>
<td><strong>Email</strong></td>
<td><a href="mailto:KKlostermann@teklabinc.com">KKlostermann@teklabinc.com</a></td>
<td><a href="mailto:jhriley@teklabinc.com">jhriley@teklabinc.com</a></td>
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<tr>
<td></td>
<td>Downers Grove, IL 60515</td>
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<tr>
<td><strong>Phone</strong></td>
<td>(630) 324-6855</td>
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<tr>
<td><strong>Fax</strong></td>
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<tr>
<td><strong>Email</strong></td>
<td><a href="mailto:arenner@teklabinc.com">arenner@teklabinc.com</a></td>
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### Accreditations

**Client:** Blackstone Environmental, Inc.  
**Client Project:** Sedalia School District 200 - Parkview Elem  
**Work Order:** 24031383  
**Report Date:** 26-Mar-24

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<th>State</th>
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**Receiving Check List**

**Client**: Blackstone Environmental, Inc.  
**Client Project**: Sedalia School District 200 - Parkview Elem  
**Carrier**: Crossroads  
**Work Order**: 24031383  
**Report Date**: 26-Mar-24  
**Received By**: EES  
**Completed by**:  
  - **On**: 19-Mar-24  
  - **Name**: Amber Dilallo  
**Reviewed by**:  
  - **On**: 19-Mar-24  
  - **Name**: Ellie Hopkins

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<th>Chain of custody</th>
<th>Extra pages included</th>
<th>Temp °C</th>
<th>Not Present</th>
<th>Blue Ice</th>
<th>Dry Ice</th>
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<tr>
<td>Yes</td>
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- **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 [ ]

- **NPDES/CWA TCN interferences checked/treated in the field?**
  - Yes [✓]  No [ ]

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

Sample was checked for turbidity and then preserved with nitric acid upon arrival in the laboratory. - amberdilallo - 3/19/2024 12:33:48 PM
**CHAIN OF CUSTODY**

**Client:** Blackstone Environmental, Inc

**Address:** 16200 Foster Street

**City/State/Zip:** Overland Park, KS 66085

**Contact:** Randy Seamans  Phone: 913-495-9990

**Email:** rseamans@blackstone-env.com  Fax:

---

**Samples on:** [ ] ICE  [ ] BLUE ICE  [x] NO ICE  [ ] NA  °C

**Preserved in:** [x] LAB  [ ] FIELD  [ ] FOR LAB USE ONLY

**LAB NOTES:**

**Client Comments:**

---

**PROJECT NAME/NUMBER**

Sedalia School District 200

**SAMPLE COLLECTOR'S NAME**

RS

---

**RESULTS REQUESTED**

[ ] Standard  [ ] 12 Day (100% Surcharge)  [ ] 3 Day (50% Surcharge)

---

**BILLING INSTRUCTIONS**

---

**# and Type of Containers| INDICATE ANALYSIS REQUESTED**

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<th>UNP</th>
<th>HNO3</th>
<th>NaOH</th>
<th>H2SO4</th>
<th>HCL</th>
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<th>Other</th>
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**Lab Use Only**

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<tbody>
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</tbody>
</table>

---

**Relinquished By**

[Signature]  3/16/24 100  [Signature]  3/19/24 110

---

**Date/Time | Received By | Date/Time**

| 3/16/24 | Emily Zachetti | 3/19/24 |

---

*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.*