

June 24, 2024

Jeremie Kahler Park Hill School District 9501 N. Seymour Ave, Kansas City, MO 64153

RE: Drinking Water Sampling – Park Hill South Athletic Complex

8804 NW 45 Highway, Parkville, MO 64152

Project Number: 923386

Mr. Kahler,

OCCU-TEC, Inc. (OCCU-TEC) is pleased to present the following report for drinking water sampling completed at Park Hill South Athletic Complex in Kansas City, Missouri. The sampling was requested and approved by Mr. Jeremie Kahler of Park Hill School District (PHSD). OCCU-TEC completed drinking water sampling of all potential drinking water sources, sources used in food preparation, cleaning, and utensil cleaning. Drinking water sampling was completed in accordance with the requirements set forth in Missouri Senate Bill #681/662 known as the "Get the Lead Out of School Drinking Water Act".

### **METHODOLOGY**

On 5/30/2024 Mr. Jay Hurst of OCCU-TEC completed testing of seven (7) sources throughout Park Hill South Athletic Complex. Samples were collected as 'First Draw' samples after the fixtures had remained unused for a minimum period of eight (8) hours while not exceeding a maximum period of eighteen (18) hours. Samples were collected in dedicated 250 milliliter laboratory-provided plastic sample containers.

Samples were shipped to Pace Analytical Services, LLC (Pace) of Peoria, Illinois for analysis using Environmental Protection Agency (EPA) method 200.8. Pace is approved for sample analysis by the Missouri Department of Natural Resources (MDNR) under certification numbers 00236 and 00870. A copy of the laboratory analytical results and Chain of Custody documentation are attached to this report.

### **RESULTS**

Samples results were compared to the regulatory limit of 5 parts per billion (ppb) outlined in Missouri Senate Bill 681/662. Of the samples collected, zero (0) of the seven (7) contained lead concentrations at or above 5 ppb. Below is a list of samples containing elevated concentrations of lead.

Sample ID	Location	Туре	Result (ug/L)				
No	No samples collected contained results above 5 ug/L (ppb)						

### **LIMITATIONS**

At the request of PHSD, Lab sinks, janitorial sinks, eyewash stations, showers, and exterior spigots not identified as drinking water were excluded from sampling. In addition to the excluded sources, the following table identifies sources which were not operational at the time of sampling and therefore not sampled. In accordance with the requirements set forth in Missouri Bill 681/662, all sources not sampled during this assessment should be labeled to indicate that the source is not to be used for drinking water or sampled and compared to the regulatory limit of 5 ppb prior to bringing back into service.

Sample ID	Location	Туре
386-SAC-08	Women's RR	Sink
386-SAC-09	Women's RR	Sink
386-SAC-10	Women's RR	Sink
386-SAC-11	Women's RR	Sink
386-SAC-12	Women's RR	Sink
386-SAC-13	Men's RR	Sink
386-SAC-14	Men's RR	Sink
386-SAC-15	Men's RR	Sink
386-SAC-16	Men's RR	Sink

#### **RECOMMENDATIONS**

The following recommendations are in accordance with Senate Bill 681/662:

In accordance with the requirements set forth in Missouri Bill 681/662, fixtures exhibiting lead concentrations above 5 ppb must be remediated by replacement of lead-containing pipes, solder, fittings or fixtures with lead-free components, or the school shall install filtration at each point where water enters the building until such time as the source can be remediated. If installing a filter is not feasible, the school shall provide purified water at each outlet inventoried.

Additionally, any water coolers or drinking water outlets identified by the United States Environmental Protection Agency (EPA) as not being lead-free under the federal Lead Contamination Control Act of 1988 shall be replaced unless the unit has been tested and determined to have lead results under 5 ppb.

Within two weeks after receiving test results, the school shall make all testing results and any lead remediation plans available on the school's website. The school shall notify parents and staff via written notification within seven (7) business days after receiving test results exceeding 5 ppb. The notification shall include the following:

- Test results and a summary explaining the results.
- A description of any remedial steps taken.
- A description of the general health effects of lead contamination and community specific resources.
- Provide bottled water if there is not enough water to meet the drinking water needs of the students, teachers, and staff.

For fixtures exhibiting results above 5 ppb, follow up random "Flush" sampling shall be conducted annually on at least 25 percent of the remediated outlets until all outlets have been remediated. Drinking water sampling shall be conducted annually and annual drinking water test results shall be submitted by the district to the Department of Health and Senior Services (MDHSS).

### SIGNATURE(S)

OCCU-TEC appreciates the opportunity to provide the above referenced consulting services to PHSD. If you have any questions regarding the contents of this report, please contact us at (816) 231-5580.

Respectfully,

Jay W. Hurst

Vice President of Operations

Jeff Smith Senior Project Manager (QA/QC)

Gy Smith

### **ATTACHMENTS**

Outlet Inventory with Analytical Results Summary Laboratory Analytical Results and COC Documentation

ID:	386	-SAC-01	Location:	Ext North Consession		
Photo:			Manufacturer:	Elk	ay	
			D	escription:		
			Drinking Fountai	n Bubbler - Le	eft	
			Result:	<1.0	ppb	
			Date Sampled:	5/30/2024	By: JH	
Recommen	ded Action:					

ID:	386	S-SAC-02	Location:	Ext. North Consessio		
Photo:			Manufacturer:	Elk	ay	
			D	escription:		
		Drinking Fountain Bubbler - Right				
			Result:	<1.0	ppb	
			Date Sampled:	5/30/2024	By: JH	
Recomme	ended Action:					

ID:	386	S-SAC-03	Location:	Ext South Concession		
Photo:			Manufacturer:	Elk	ay	
			D	escription:		
			Drinking Fountai	n Bubbler - Le	eft	
			Date Sampled:	<1.0	ppb	
			Date Sampled:	5/30/2024	By: JH	
Recommer	nded Action:					

ID:	386	-SAC-04	Location:	Ext South C	Concessions
Photo:			Manufacturer:	Elk	ay
			D	escription:	
	G		Drinking Fountai	n Bubbler - Ri	ght
			Result:	<1.0	ppb
			Date Sampled:	5/30/2024	By: JEA
Recommen	ded Action:				

ID:	386-S	AC-05	Location:	Conce	essions
Photo:			Manufacturer:	Unkr	nown
			D	escription:	
			Hand Washing S	iink	
			Result:	4.54	ppb
			Date Sampled:	5/30/2024	By: JH
Recomme	ended Action:				

ID:	386	-SAC-06	Location:	Concessions		
Photo:			Manufacturer:	Chicago	o Faucet	
			D	escription:		
			Kitchen Sink			
			Result:	1.44	ppb	
			Date Sampled:	5/30/2024	By: JH	
Recomme	nded Action:					

ID:	386	S-SAC-07	Location:	Concessions		
Photo:			Manufacturer:	Hosh	izaki	
			D	escription:		
			Ice Machine			
			Result:	<1.0	ppb	
			Date Sampled:	5/30/2024	By: JEA	
Recommen	ded Action:					

ID:	386	-SAC-08	Location:	Women's RR		
Photo:			Manufacturer:	Unkr	nown	
				escription:		
		Hand Washing Sink - Left				
			Result:	N/A	ppb	
			Date Sampled:	5/30/2024	By: JH	
Recommended Action:			Label as Non-Drinki	ng Water		

ID:	386	-SAC-09	Location:	Wome	en's RR
Photo:			Manufacturer: Unknown		
			D	escription:	
			Hand Washing S	ink - Left	
			Result:	N/A	ppb
			Date Sampled:	5/30/2024	By: JH
Recommen	Recommended Action:		oel as Non-Drinkir	ng Water	

ID:	386	S-SAC-10	Location:	Wome	en's RR
Photo:		Manufacturer: Unknown			nown
			D	escription:	
			Hand Washing S	ink - Left	
			Result:	N/A	ppb
			Date Sampled:	5/30/2024	By: JEA
Recommended Action: Label as Non-Drinking Wat			ng Water		

ID:	386	-SAC-11	C-11 Location: Women's RR						
Photo:			Manufacturer:	Unkr	Unknown				
			D	escription:					
			Hand Washing S	Sink - Left					
			Result:	N/A	ppb				
			Date Sampled:	5/30/2024	By: JH				
Recomme	nded Action:		Label as Non-Drinking Water						

ID:	386	-SAC-12		Location:	Women's RR				
Photo:			Manufacturer:	Unknown					
				D	escription:				
				Hand Washing S	ink - Left				
				Result:	N/A	ppb			
				Date Sampled:	5/30/2024	By: JH			
Recommended Action: Lak				ıbel as Non-Drinking Water					

ID:	386	S-SAC-13	Location:	Men's RR			
Photo:			Manufacturer:	Unkn	nown		
			D	escription:			
			Hand Washing S	ink - Left			
			Result:	N/A	ppb		
			Date Sampled:	By: JEA			
Recommen	ded Action:	La	ıbel as Non-Drinking Water				

ID:	386	-SAC-14	Location:	Mer	Men's RR				
Photo:			Manufacturer:	Unkr	nown				
				Description:					
			Hand Washing	Sink - Left Cer	nter				
			Result:	N/A	ppb				
			Date Sampled	5/30/2024	By: JH				
Recomme	ended Action:		Label as Non-Drink	abel as Non-Drinking Water					

ID:	386	S-SAC-15	Location:	Mer	Men's RR			
Photo:			Manufacturer:	Unkr	nown			
				Description:				
			Hand Washing	Sink - Right C	enter			
			Result:	N/A	ppb			
			Date Sampled	: 5/30/2024	By: JH			
Recomme	ended Action:	n: Label as Non-Drinking Water						

ID:	386	S-SAC-16	Location:	Men's RR			
Photo:			Manufacturer:	Unkn	iown		
			D	escription:			
			Hand Washing S	ink - Right			
			Result:	N/A	ppb		
			Date Sampled:	5/30/2024	By: JEA		
Recommen	ided Action:	Lak	abel as Non-Drinking Water				



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

June 07, 2024

Jeremie Kahler Park Hill School District 9501 N. Seymour Ave MO, MO 64153

RE: 923386-South Athletic Complex

Dear Jeremie Kahler:

Please find enclosed the analytical results for the **7** sample(s) the laboratory received on **6/3/24 10:45 am** and logged in under work order **HF00112**. All testing is performed according to our current TNI accreditations unless otherwise noted. This report cannot be reproduced, except in full, without the written permission of Pace Analytical Services, LLC.

If you have any questions regarding your report, please contact your project manager. Quality and timely data is of the utmost importance to us.

Pace Analytical Services appreciates the opportunity to provide you with analytical expertise. We are always trying to improve our customer service and we welcome you to contact the General Manager, Lisa Grant, with any feedback you have about your experience with our laboratory at 309-683-1764 or lisa.grant@pacelabs.com.

Chenise Lambert-Sykes Project Manager

(314)432-0550

Chenise.Lambert-Sykes@pacelabs.com

Customer #: 72-105474

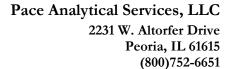


### **SAMPLE RECEIPT CHECK LIST**

### Items not applicable will be marked as in compliance

	Work Order HF00112
YES	Samples received within temperature compliance when applicable
YES	COC present upon sample receipt
YES	COC completed & legible
YES	Sampler name & signature present
YES	Unique sample IDs assigned
YES	Sample collection location recorded
YES	Date & time collected recorded on COC
YES	Relinquished by client signature on COC
YES	COC & labels match
YES	Sample labels are legible
YES	Appropriate bottle(s) received
YES	Sufficient sample volume received
YES	Sample containers received undamaged
NO	Zero headspace, <6 mm present in VOA vials
NO	Trip blank(s) received
YES	All non-field analyses received within holding times
NO	Short hold time analysis
YES	Current PDC COC submitted
NO	Case narrative provided

Customer #: 72-105474 www.pacelabs.com





### **ANALYTICAL RESULTS**

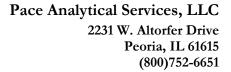
**Sample:** HF00112-01 **Name:** 386-SAC-01

**Sampled:** 05/30/24 06:54

**Received:** 06/03/24 10:45

Matrix: Drinking Wat	er - Grab						PO #: 240020	053	
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/05/24 11:29	1	1.00	06/05/24 18:29	BRS	EPA 200.8 REV 5.4
Sample: HF00112-02 Name: 386-SAC-02 Matrix: Drinking Wat	er - Grab						Sampled: 05/30/2 Received: 06/03/2 PO#: 240020	24 10:45	
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/05/24 11:29	1	1.00	06/05/24 18:31	BRS	EPA 200.8 REV 5.4
Sample: HF00112-03 Name: 386-SAC-03 Matrix: Drinking Wat	er - Grab						Sampled:       05/30/2         Received:       06/03/2         PO #:       240020	24 10:45	
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
Total Metals - PIA									
Lead	< 1.00	ug/L		06/05/24 11:29	1	1.00	06/05/24 18:32	BRS	EPA 200.8 REV 5.4
Sample: HF00112-04 Name: 386-SAC-04 Matrix: Drinking Wat	er - Grab						Sampled: 05/30/2 Received: 06/03/2 PO#: 240020	24 10:45	
Parameter	Result	Unit	Qualifier	Prepared	Dilution	MRL	Analyzed	Analyst	Method
<u>Total Metals - PIA</u>									
Lead	< 1.00	ug/L		06/05/24 11:29	1	1.00	06/05/24 18:36	BRS	EPA 200.8 REV 5.4

Customer #: 72-105474





#### **ANALYTICAL RESULTS**

**Sample:** HF00112-05 **Name:** 386-SAC-05

Matrix: Drinking Water - Grab

Sampled: 05/30/24 07:00

**Received:** 06/03/24 10:45 **PO #**: 24002053

Unit Qualifier Dilution MRL Method Parameter Result Prepared Analyzed Analyst Total Metals - PIA BRS Lead 4.54 06/05/24 11:29 1.00 06/05/24 18:38 EPA 200.8 REV 5.4 ug/L 1

**Sample:** HF00112-06 **Name:** 386-SAC-06

Matrix: Drinking Water - Grab

Sampled: 05/30/24 07:00

**Received:** 06/03/24 10:45 **PO #:** 24002053

Parameter Result Unit Qualifier Prepared Dilution MRL Analyzed Analyst Method

Total Metals - PIA

1

1.00

06/05/24 11:29

Sample: HF00112-07

Name: 386-SAC-07

Lead

Matrix: Drinking Water - Grab

1.44

ug/L

Sampled: 05/30/24 07:03

BRS

EPA 200.8 REV 5.4

**Received:** 06/03/24 10:45 **PO #:** 24002053

06/05/24 18:39

Unit Qualifier Dilution MRL Method Parameter Result Prepared Analyzed Analyst Total Metals - PIA Lead < 1.00 ug/L 06/05/24 11:29 1 1.00 06/05/24 18:41 BRS EPA 200.8 REV 5.4

Customer #: 72-105474



Pace Analytical Services, LLC 2231 W. Altorfer Drive Peoria, IL 61615 (800)752-6651

#### **NOTES**

Specifications regarding method revisions, method modifications, and calculations used for analysis are available upon request. Please contact your project manager.

\* Not a TNI accredited analyte

#### Certifications

CHI - McHenry, IL - 4314-A W. Crystal Lake Road, McHenry, IL 60050

TNI Accreditation for Drinking Water and Wastewater Fields of Testing through IL EPA Accreditation No. 100279 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17556

PIA - Peoria, IL - 2231 W. Altorfer Drive, Peoria, IL 61615

TNI Accreditation for Drinking Water, Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. 100230

Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory Registry No. 17553 Drinking Water Certifications/Accreditations: Iowa (240); Kansas (E-10338); Missouri (870)

Wastewater Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

Solid and Hazardous Material Certifications/Accreditations: Arkansas (88-0677); Iowa (240); Kansas (E-10338)

SPMO - Springfield, MO - 1805 W Sunset Street, Springfield, MO 65807 USEPA DMR-QA Program

STL - Hazelwood, MO - 944 Anglum Rd, Hazelwood, MO 63042

TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through KS KDHE Certification No. E-10389 TNI Accreditation for Wastewater, Solid and Hazardous Material Fields of Testing through IL EPA Accreditation No. - 200080 Illinois Department of Public Health Bacterial Analysis in Drinking Water Approved Laboratory, Registry No. 171050 Missouri Department of Natural Resources - Certificate of Approval for Microbiological Laboratory Service - No. 1050

Certified by: Chenise Lambert-Sykes, Project Manager





REGULATORY PROGRAM (CIRCLE):	NPDES
MORBCA	RCRA
CCDD	TACO: RES OR IND/COMM

### **CHAIN OF CUSTODY RECORD**

STATE WHERE SAMPLE COLLECTED MO

		HLIGHTED AR						_				
Park Hill School District	923386	NUMBER		JECT LOCA Athletic C		24002		3	ANAL	YSIS REQUI	ESTED	(FOR LAB USE ONLY)
9501 N. Seymour Ave.		8163596731		E-MAIL KahlerJ@parkhill.k12.mo.us		5/30/2024		D	E3			LOGIN# HF00112
	Particle of the Committee of the Committ		Kamerog	gparkillin	112.1110.03	MATRIX TYPES:						CLIENT: Park Hill School District
STATE Kansas City, MO 64153	Jay Hurst			, 1	WW- WASTEWATER DW- DRINKING WATER GW- GROUND WATER						PROJECT: Drinking Water Lead PROJ. MGR.: Chenise Lambert-Sykes	
Jeremie Kahler	SAMPLER'S SIGNATURE JUJUST				WWSL. SLUDGE NAS. NON AQUEOUS SOLID LCHT-LEACHATE OIL.OIL SOL-SOLID		Lead	Check			CUSTODY SEAL #:	
2 SAMPLE DESCRIPTION (UNIQUE DESCRIPTION AS IT WILL APPEAR ON THE ANALYTICAL REPORT)	DATE	COLLECTED	SAMPL	E TYPE COMP	MATRIX TYPE	BOTTLE	PRES CODE CLIENT PROVIDED	DWO	Turb			REMARKS
386-SAC-01	5/30/2024	6:54	X		DW	1	6	X				
386-SAC-02	5/30/2024	6:55	×		DW	1	6	X				
386-SAC-03	5/30/2024	6:57	X		DW	1	6	X				
386-SAC-04	5/30/2024	6:58	X		DW	1	6	X				
386-SAC-05	5/30/2024	7:00	X		DW	1	6	X				
386-SAC-06	5/30/2024	7:00	X		DW	1	6	X				
386-SAC-07	5/30/2024	7:03	X		DW	1	6	X				
			X		DW	1	6	X				
			X		DW	1	6	X				
			×		DW	1	6	X				
			X		Dw	1	6	X				
	- HNO3 4 - NAC	0H 5 - NA	HATTE EN HEIDT		RESERVED	7 - OTHER						
TURNAROUND TIME REQUESTED (PLEASE CIRCLE) NORMAL RUSH (RUSH TAT IS SUBJECT TO PACE LABS APPROVAL AND SURCHARDE)  RUSH RESULTS VIA (PLEASE CIRCLE) EMAIL PHONE  EMAIL IF DIFFERENT FROM ABOVE: PHONE # IF DIFFERENT FROM ABOVE:					I understand that by initialing this box I give the lab permission to proceed with analysis, even though it may not meet all sample conformance requirements as defined in the receiving facility's Sample Acceptance Policy and the data will be qualified. Qualified data may NOT be acceptable to report to all regulatory authorities.  PROCEED WITH ANALYSIS AND QUALIFY RESULTS: (INITIALS)					ceiving facility's Sample Acceptance		
PRÉLINQUISHED BY: (SIGNATURE)  TIME 12.00  RECEIVE			ED BY: (SIG	7.			TIME			8	COMMENTS	3: (FOR LAB USE ONLY)
RELINQUISHED BY: (SIGNATURE)  DATE  TIME		RECEIVI	ED BY: (SIG	NATURE)			TIME	900		SAMPLE	TEMPERATURI	E UPON RECEIPT 81.5 °C
RELINQUISHED BY: (SIGNATURE) DATE		RECEIVE	ED BY: (SIG	NATURE)			DAT	E <sub>2</sub> / ·		CHILL PROCESS STARTED PRIOR TO RECEIPT Y SAMPLE(S) RECEIVED ON ICE Y		
TIME		RECEIVED BY: (SIGNATURE)							SAMPLE ACCEPTANCE NONCONFORMANT REPORT IS NEEDED  DATE AND TIME TAKEN FROM SAMPLE BOTTLE			NONCONFORMANT Y ON N