

January 10, 2023

Kevin Roberts Professional Service Industries, Inc. 11826 Borman Dr Maryland Heights, MO 63146

TEL: (314) 432-8073 FAX: (314) 432-5119

**RE:** Bristol Elementary 0029-5660

Dear Kevin Roberts:

TEKLAB, INC received 18 samples on 12/27/2022 13:50:00 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,

Aaron Renner Project Manager

(630)324-6855

arenner@teklabinc.com



**WorkOrder:** 22121567

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



# **Report Contents**

http://www.teklabinc.com/

Client: Professional Service Industries, Inc.

Work Order: 22121567

Client Project: Bristol Elementary 0029-5660

Report Date: 10-Jan-23

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#### **Definitions**

http://www.teklabinc.com/

Client: Professional Service Industries, Inc.

Work Order: 22121567

Client Project: Bristol Elementary 0029-5660 Report Date: 10-Jan-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 )



### **Definitions**

http://www.teklabinc.com/

Client: Professional Service Industries, Inc. Work Order: 22121567

Client Project: Bristol Elementary 0029-5660 Report Date: 10-Jan-23

### Qualifiers

- B Analyte detected in associated Method Blank
- E Value above quantitation range
- I Associated internal standard was outside method criteria
- Manual Integration used to determine area response
- R RPD outside accepted recovery limits
- T TIC(Tentatively identified compound)

- # Unknown hydrocarbon
- RL shown is a Client Requested Quantitation Limit
- Holding times exceeded H -
- Analyte detected below quantitation limits
- Not Detected at the Reporting Limit ND -
  - Spike Recovery outside recovery limits
- X Value exceeds Maximum Contaminant Level



## **Case Narrative**

http://www.teklabinc.com/

Client: Professional Service Industries, Inc.

Work Order: 22121567

Client Project: Bristol Elementary 0029-5660 Report Date: 10-Jan-23

Cooler Receipt Temp: NA °C

### Locations

	Collinsville		Springfield	Kansas City								
Address	5445 Horseshoe Lake Road	Address	3920 Pintail Dr	Address	8421 Nieman Road							
	Collinsville, IL 62234-7425		Springfield, IL 62711-9415		Lenexa, KS 66214							
Phone	(618) 344-1004	Phone	(217) 698-1004	Phone	(913) 541-1998							
Fax	(618) 344-1005	Fax	(217) 698-1005	Fax	(913) 541-1998							
Email	jhriley@teklabinc.com	Email	KKlostermann@teklabinc.com	Email	jhriley@teklabinc.com							
	Collinsville Air		Chicago									
Address	5445 Horseshoe Lake Road	Address	1319 Butterfield Rd.									
	Collinsville, IL 62234-7425		Downers Grove, IL 60515									
Phone	(618) 344-1004	Phone	(630) 324-6855									
Fax	(618) 344-1005	Fax										
Email	EHurley@teklabinc.com	Email	arenner@teklabinc.com									



## **Accreditations**

### http://www.teklabinc.com/

Client: Professional Service Industries, Inc. Work Order: 22121567

Client Project: Bristol Elementary 0029-5660 Report Date: 10-Jan-23

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



# **Laboratory Results**

http://www.teklabinc.com/

Client: Professional Service Industries, Inc.

Work Order: 22121567

Client Project: Bristol Elementary 0029-5660 Report Date: 10-Jan-23

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification (	Qual RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4	4, 200.8 R5.4, META	LS BY ICPMS (TO	OTAL)					
Lead		·	•					
22121567-001	A BE-F-202-2-1	NELAP	1.0	6.1	μg/L	1	01/05/2023 15:01	12/22/2022 07:50
22121567-002	A BE-WC-CA-2-2	NELAP	1.0	< 1.0	μg/L	1	01/05/2023 14:55	12/22/2022 07:52
22121567-003	A BE-F-206-2-3	NELAP	1.0	5.3	μg/L	1	01/09/2023 13:09	12/22/2022 07:54
22121567-004	A BE-WC-CA-2-4	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 13:14	12/22/2022 07:56
22121567-005	A BE-WC-H6-1-5	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 13:25	12/22/2022 07:58
22121567-006	A BE-F-110-1-6	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 14:25	12/22/2022 08:00
22121567-007	A BE-NF-NUR-1-7	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 13:31	12/22/2022 08:03
22121567-008	A BE-WC-H6-1-8	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 14:14	12/22/2022 08:05
22121567-009	A BE-KF-KIT-LL-9	NELAP	1.0	5.2	μg/L	1	01/09/2023 14:20	12/22/2022 08:10
22121567-010	A BE-WC-H2-LL-10	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 15:25	12/22/2022 08:17
22121567-011	A BE-WC-H2-LL-11	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 15:31	12/22/2022 08:18
22121567-012	A BE-F-SW-LL-12	NELAP	5.0	< 5.0	μg/L	5	01/10/2023 09:19	12/22/2022 08:20
22121567-013	A BE-WC-H4-LL-13	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 15:41	12/22/2022 08:21
22121567-014	A BE-WC-H4-LL-14	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 15:47	12/22/2022 08:22
22121567-015	A BE-SN-KIT-LL-15	NELAP	1.0	< 1.0	μg/L	1	01/09/2023 15:52	12/22/2022 08:11
22121567-016	A BE-WF-KIT-LL-16	NELAP	1.0	1.4	μg/L	1	01/08/2023 17:00	12/22/2022 08:12
22121567-017	A BE-WF-KIT-LL-17	NELAP	1.0	2.6	μg/L	1	01/08/2023 17:05	12/22/2022 08:13
22121567-018	A BE-IM-KIT-LL-18	NELAP	1.0	< 1.0	μg/L	5	01/07/2023 01:06	12/22/2022 08:09
Dilution requi	red to meet internal sta	ndard recovery criter	ria.					



# **Receiving Check List**

http://www.teklabinc.com/

Client: Professional Service Industries, Inc.	Work Or	der: 22121	567									
Client Project: Bristol Elementary 0029-5660	Project: Bristol Elementary 0029-5660											
Carrier: Justin Colp  Completed by: On: 27-Dec-22 Ellie Hopkins		22	Elizabeth A. Hurley	ly								
Pages to follow: Chain of custody 2  Shipping container/cooler in good condition?  Type of thermal preservation? Chain of custody present? Chain of custody signed when relinquished and received? Chain of custody agrees with sample labels? Samples in proper container/bottle? Sample containers intact? Sufficient sample volume for indicated test? All samples received within holding time? Reported field parameters measured: Container/Temp Blank temperature in compliance?  When thermal preservation is required, samples are compliance.		No   Ice  V No   No   No   No   No   No   No   N	Not Present ☐ Blue Ice ☐	Temp °C Dry Ice	NA							
0.1°C - 6.0°C, or when samples are received on ice the sam  Water – at least one vial per sample has zero headspace?	Yes	No 🗆	No VOA vials <b>✓</b>									
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 r	must be detailed belov	v or on the	COC.									

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

## CHAIN OF CUSTODY

pg. \_ 1 of \_ 2 Work order # 2212186+

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

Client:	Professional Servi	ce Industries, Inc.								San	ple	s o	n:	鎏	ICE	BLUI	E ICE	X	IO ICE		N	<u>A </u>	<sup>5</sup> C	LTG	#	
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City / State	/ Zip Maryland Heights,	MO 63146								Lab	No	tes		r.												
Contact:	Kevin Roberts		one:	(3	314)	432-8	073																			
E-Mail:	kevin.roberts@intertek.com	<sup>п</sup> Fа	x:							:lie	nt C	om	me	nte					.5	E3		100 100				
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CHAIN OF CUSTODY pg. 2 of 2 Work order # 22121567

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

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City / State	/ Zip Maryland Heights	MO 63146										Lab	No	tes														_		
Contact:	Kevin Roberts		_ Phone	 e:	(3	314)	432-	807:	3																					
E-Mail:	kevin.roberts@intertek.co	'n	_ Fax:									:lie	nt C	:om	ıme	nte			-					.67794			192		·····	
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Are these sample:	s known to be hazardous?	Yes 🛚	No						-													•	•							
Are there any requirements in the committee in the commit	uired reporting limits to be reent section.	net on the requ	ested analys	is?.	If ye	s, p	lease	pro	vide														and the second							.·
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Bristol Elementar	y 0029-5660	Greg Chamberss	/ Kevir	1	Ro	be	-1-	S			Γ	ַם			S	<u>`</u>														
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