

January 10, 2023

Kevin Roberts  
Professional Service Industries, Inc.  
11826 Borman Dr  
Maryland Heights, MO 63146  
TEL: (314) 432-8073  
FAX: (314) 432-5119



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

**RE:** Clark Elementary 0029-5660

**WorkOrder:** 22121565

Dear Kevin Roberts:

TEKLAB, INC received 30 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](mailto:arenner@teklabinc.com)



## Report Contents

<http://www.teklabinc.com/>

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**Client:** Professional Service Industries, Inc.

**Work Order:** 22121565

**Client Project:** Clark Elementary 0029-5660

**Report Date:** 10-Jan-23

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**This reporting package includes the following:**

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**Client:** Professional Service Industries, Inc.

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### 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:** Professional Service Industries, Inc.

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### 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

<http://www.teklabinc.com/>

**Client:** Professional Service Industries, Inc.

**Work Order:** 22121565

**Client Project:** Clark Elementary 0029-5660

**Report Date:** 10-Jan-23

**Cooler Receipt Temp:** NA °C

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### Locations

#### Collinsville

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

#### Collinsville Air

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

#### Springfield

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

#### Chicago

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

#### Kansas City

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



## Accreditations

<http://www.teklabinc.com/>

**Client:** Professional Service Industries, Inc.

**Work Order:** 22121565

**Client Project:** Clark 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: 22121565

Client Project: Clark 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
<b>EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)</b>									
<b>Lead</b>									
22121565-001A	CE-KF-Kit-1-3	NELAP		1.0	21.4	µg/L	1	01/09/2023 21:44	12/22/2022 09:27
22121565-002A	CE-KF-Kit-1-4	NELAP		1.0	< 1.0	µg/L	1	01/08/2023 13:26	12/22/2022 09:28
22121565-003A	CE-DF-5-1-5	NELAP		1.0	2.6	µg/L	1	01/08/2023 13:31	12/22/2022 09:35
22121565-004A	CE-DF-HI-1-6	NELAP		1.0	< 1.0	µg/L	1	01/08/2023 13:35	12/22/2022 09:36
22121565-005A	CE-DF-6-1-7	NELAP		1.0	3.2	µg/L	1	01/08/2023 14:07	12/22/2022 09:37
22121565-006A	CE-F-7-1-8	NELAP		1.0	3.8	µg/L	1	01/08/2023 14:11	12/22/2022 09:38
22121565-007A	CE-F-8A-1-9	NELAP		1.0	3.8	µg/L	1	01/08/2023 14:15	12/22/2022 09:39
22121565-008A	CE-F-9-1-10	NELAP		1.0	5.2	µg/L	1	01/08/2023 14:20	12/22/2022 09:40
22121565-009A	CE-DF-12-1-11	NELAP		1.0	2.4	µg/L	1	01/08/2023 14:24	12/22/2022 09:41
22121565-010A	CE-NF-NuR-1-12	NELAP		1.0	< 1.0	µg/L	1	01/08/2023 14:29	12/22/2022 09:45
22121565-011A	CE-F-11-1-13	NELAP		1.0	4.0	µg/L	1	01/08/2023 14:33	12/22/2022 09:46
22121565-012A	CE-DF-13-1-15	NELAP		1.0	1.6	µg/L	1	01/08/2023 14:38	12/22/2022 09:49
22121565-013A	CE-DF-15-1-16	NELAP		1.0	< 1.0	µg/L	1	01/08/2023 14:42	12/22/2022 09:50
22121565-014A	CE-DF-20-1-17	NELAP		1.0	< 1.0	µg/L	1	01/08/2023 14:47	12/22/2022 09:51
22121565-015A	CE-DF-19-1-18	NELAP		1.0	< 1.0	µg/L	1	01/09/2023 22:07	12/22/2022 09:52
22121565-016A	CE-DF-22-1-19	NELAP		1.0	< 1.0	µg/L	1	01/09/2023 20:29	12/22/2022 09:53
22121565-017A	CE-WC-H2-1-20	NELAP		1.0	< 1.0	µg/L	1	01/09/2023 19:02	12/22/2022 09:54
22121565-018A	CE-DF-21-1-21	NELAP		1.0	3.2	µg/L	1	01/04/2023 19:43	12/22/2022 09:55
22121565-019A	CE-DF-30-1-22	NELAP		1.0	1.6	µg/L	1	01/04/2023 19:49	12/22/2022 09:57
22121565-020A	CE-F-23-1-23	NELAP		5.0	< 5.0	µg/L	5	01/05/2023 12:45	12/22/2022 09:58
22121565-021A	CE-DF-32-1-24	NELAP		1.0	1.6	µg/L	1	01/04/2023 20:00	12/22/2022 09:59
22121565-022A	CE-F-25-1-25	NELAP		1.0	< 1.0	µg/L	1	01/05/2023 12:57	12/22/2022 10:00
22121565-023A	CE-WC-GF-LL-26	NELAP		1.0	< 1.0	µg/L	1	01/05/2023 13:34	12/22/2022 10:06
22121565-024A	CE-WC-GF-LL-27	NELAP		1.0	< 1.0	µg/L	1	01/05/2023 13:04	12/22/2022 10:07
22121565-025A	CE-F-2-LL-28	NELAP		1.0	< 1.0	µg/L	1	01/05/2023 14:18	12/22/2022 10:11
22121565-026A	CE-WF-Kit-1-29	NELAP		1.0	5.1	µg/L	1	01/05/2023 14:24	12/22/2022 09:29
22121565-027A	CE-WF-Kit-1-30	NELAP		1.0	1.8	µg/L	1	01/05/2023 14:30	12/22/2022 09:30
22121565-028A	CE-SN-Kit-1-31	NELAP		1.0	< 1.0	µg/L	1	01/05/2023 14:36	12/22/2022 09:31
22121565-029A	CE-DF-11-1-32	NELAP		1.0	10.8	µg/L	5	01/07/2023 01:02	12/22/2022 09:47
22121565-030A	CE-IM-Kit-1-33	NELAP		1.0	< 1.0	µg/L	5	01/09/2023 19:42	12/22/2022 09:26

*Dilution required to meet internal standard recovery criteria.*



# Receiving Check List

<http://www.teklabinc.com/>

Client: Professional Service Industries, Inc.

Work Order: 22121565

Client Project: Clark Elementary 0029-5660

Report Date: 10-Jan-23

Carrier: Justin Colp

Received By: ANC

Completed by:

Reviewed by:

On:

On:

27-Dec-22

27-Dec-22

Lindsey Maddox

Elizabeth A. Hurley

Pages to follow: Chain of custody

Extra pages included

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



# CHAIN OF CUSTODY

pg. 1 of 3 Work order # 22121565

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

**Client:** Professional Service Industries, Inc.  
**Address:** 11826 Borman Dr  
**City / State / Zip:** Maryland Heights, MO 63146  
**Contact:** Kevin Roberts **Phone:** (314) 432-8073  
**E-Mail:** kevin.roberts@intertek.com **Fax:** \_\_\_\_\_

**Samples on:**  ICE  BLUE ICE  NO ICE NA °C LTG# \_\_\_\_\_  
**Preserved in:**  LAB  FIELD **FOR LAB USE ONLY**  
**Lab Notes**

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

**Client Comments:**  
 NO -1, -2, or -14 = sources did not work

Project Name/Number		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED																
Clark Elementary 0029-5660		Greg Chambliss / Kevin Roberts		Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead	Courier												
Results Requested		Billing Instructions																				# and Type of Containers
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)				UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER											
Lab Use Only	Sample Identification	Date/Time Sampled																				
22121565-01	CE-KF-KIT-1-3	12/22/22 / 0927																				
-002	CE-KF-KIT-1-4	/ 0928																				
-003	CE-DF-5-1-5	/ 0935																				
-004	CE-DF-H1-1-6	/ 0936																				
-005	CE-DF-6-1-7	/ 0937																				
-006	CE-F-7-1-8	/ 0938																				
-007	CE-F-8A-1-9	/ 0939																				
-008	CE-F-9-1-10	/ 0940																				
-009	CE-DF-12-1-11	/ 0941																				
-010	CE-NF-NWR-1-12	/ 0945																				
Relinquished By		Date/Time		Received By		Date/Time																
[Signature]		12/27/22 e 1000		J. Cole		12.27.22 1240																
J. Cole		12.27.22 1350		Allison Cole		12/27/22 1350																

# CHAIN OF CUSTODY

pg. 2 of 3 Work order # 22121565

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

<b>Client:</b> Professional Service Industries, Inc. <b>Address:</b> 11826 Borman Dr <b>City / State / Zip:</b> Maryland Heights, MO 63146 <b>Contact:</b> Kevin Roberts <b>Phone:</b> (314) 432-8073 <b>E-Mail:</b> kevin.roberts@intertek.com <b>Fax:</b>	<b>Samples on:</b> <input type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE _____ °C LTG# _____ <b>Preserved in:</b> <input type="checkbox"/> LAB <input type="checkbox"/> FIELD <b>FOR LAB USE ONLY</b> <b>Lab Notes</b>
<b>Client Comments:</b> <div style="text-align: center; font-size: 1.2em;">No -1, -2, or -14</div>	

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		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED																		
Clark Elementary 0029-5660		629 Chemist / Kevin Roberts		Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead	Courier													
Results Requested		Billing Instructions									# and Type of Containers													
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other _____ <input type="checkbox"/> 3 Day (50% Surcharge)				UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NAHSO4	OTHER													
Lab Use Only	Sample Identification	Date/Time Sampled																						
22121565-011	CE-F-11-1-13	12/22/22 / 0946	1								X													
-012	CE-DF-13-1-15	/ 0949	1								X													
-013	CE-DF-15-1-16	/ 0950	1								X													
-014	CE-DF-20-1-17	/ 0951	1								X													
-015	CE-DF-19-1-18	/ 0952	1								X													
-016	CE-DF-22-1-19	/ 0953	1								X													
-017	CE-WC-H2-1-20	/ 0954	1								X													
-018	CE-DF-21-1-21	/ 0955	1								X													
-019	CE-DF-30-1-22	/ 0957	1								X													
-020	CE-F-23-1-23	/ 0958	1								X													
Relinquished By		Date/Time		Received By		Date/Time																		
J. Cob		12/27/22 @ 1000		J. Cob		12-27-22 1240																		
J. Cob		12-27-22 1350		Aurora Cole		12/27/22 1350																		

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

BottleOrder: 77180



# CHAIN OF CUSTODY

pg. 3 of 3 Work order # 22121505

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

<b>Client:</b> Professional Service Industries, Inc. <b>Address:</b> 11826 Borman Dr <b>City / State / Zip:</b> Maryland Heights, MO 63146 <b>Contact:</b> Kevin Roberts <b>Phone:</b> (314) 432-8073 <b>E-Mail:</b> kevin.roberts@intertek.com <b>Fax:</b>	<b>Samples on:</b> <input checked="" type="checkbox"/> ICE <input type="checkbox"/> BLUE ICE <input type="checkbox"/> NO ICE °C <span style="float: right;">LTG#</span> <b>Preserved in:</b> <input checked="" type="checkbox"/> LAB <input type="checkbox"/> FIELD <b>FOR LAB USE ONLY</b> <b>Lab Notes</b>  <b>Client Comments:</b> <p style="text-align: center; font-size: 1.2em;">NO -1, -2, 05 -14</p>
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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		Sample Collector's Name		MATRIX		INDICATE ANALYSIS REQUESTED																			
Clark Elementary 0029-5660		Grey Chambliss / Kevin Roberts		Aqueous	Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead	Courier														
Results Requested		Billing Instructions									# and Type of Containers														
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (50% Surcharge)				UNPRES	HNO3	NaOH	H2SO4	HCL	MeOH	NaHSO4	OTHER														
Lab Use Only	Sample Identification	Date/Time Sampled																							
	22121505-021 CE-DF-32-1-24	12-22-22 / 0959	1																						
	-022 CE-F-25-1-25	/ 1000	1																						
	-023 CE-WC-6F-4-26	/ 1006	1																						
	-024 CE-WC-6F-4-27	/ 1007	1																						
	-025 CE-F-2-4-28	/ 1011	1																						
	-026 CE-WF-K7-1-29	/ 0929	1																						
	-027 CE-WF-K7-1-30	/ 0930	1																						
	-028 CE-SN-K7-1-31	/ 0931	1																						
	-029 CE-DF-11-1-32	/ 0947	1																						
	-030 CE-IM-K7-1-33	✓ / 0926	1																						

Relinquished By	Date/Time	Received By	Date/Time
J. Gelp	12/27/22 @ 1000	J. Gelp	12/27/22 1240
J. Gelp	12/27/22 1300	Allison Colvin	12/27/22 1350