

August 23, 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: Jefferson Intermediate / 0029-5933-4

WorkOrder: 23071556

Dear Kevin Roberts:

TEKLAB, INC received 40 samples on 7/21/2023 14:19:00 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



Report Contents

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

Client: Professional Service Industries, Inc.

Work Order: 23071556

Client Project: Jefferson Intermediate / 0029-5933-4

Report Date: 23-Aug-23

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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)



Definitions

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

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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: 23071556

Client Project: Jefferson Intermediate / 0029-5933-4

Report Date: 23-Aug-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

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: 23071556

Client Project: Jefferson Intermediate / 0029-5933-4

Report Date: 23-Aug-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



Laboratory Results

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

Client: Professional Service Industries, Inc.

Work Order: 23071556

Client Project: Jefferson Intermediate / 0029-5933-4

Report Date: 23-Aug-23

Matrix: DRINKING WATER

Sample ID	Client Sample ID	Certification	Qual	RL	Result	Units	DF	Date Analyzed	Date Collected
EPA 600 4.1.4, 200.8 R5.4, METALS BY ICPMS (TOTAL)									
Lead									
23071556-001A	JIS-F-423-1-1	NELAP		1.0	11.8	µg/L	1	08/15/2023 23:51	07/20/2023 11:03
23071556-002A	JIS-F-423-1-2	NELAP		1.0	12.6	µg/L	1	08/15/2023 23:55	07/20/2023 11:04
23071556-003A	JIS-F-323-1-3	NELAP		1.0	4.2	µg/L	1	08/20/2023 22:29	07/20/2023 11:05
23071556-004A	JIS-F-323-1-4	NELAP		1.0	< 1.0	µg/L	1	08/16/2023 00:00	07/20/2023 11:06
23071556-005A	JIS-F-322-1-5	NELAP		1.0	9.0	µg/L	1	08/16/2023 00:04	07/20/2023 11:07
23071556-006A	JIS-F-322-1-6	NELAP		1.0	2.8	µg/L	1	08/16/2023 00:09	07/20/2023 11:08
23071556-007A	JIS-WC-C1-1-7	NELAP		1.0	< 1.0	µg/L	1	08/16/2023 00:13	07/20/2023 11:09
23071556-008A	JIS-F-413-1-9	NELAP		1.0	13.3	µg/L	1	08/21/2023 01:44	07/20/2023 11:11
23071556-009A	JIS-F-411-1-10	NELAP		20.0	404	µg/L	20	08/21/2023 13:30	07/20/2023 11:12
23071556-010A	JIS-WC-C1-1-11	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 18:30	07/20/2023 11:13
23071556-011A	JIS-BF-C1-1-12	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 18:35	07/20/2023 11:14
23071556-012A	JIS-F-409-1-13	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 19:32	07/20/2023 11:15
23071556-013A	JIS-F-407-1-14	NELAP		1.0	15.1	µg/L	1	08/20/2023 17:27	07/20/2023 11:16
23071556-014A	JIS-DF-400A-1-16	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 19:38	07/20/2023 11:17
23071556-015A	JIS-F-TL-1-17	NELAP		1.0	1.4	µg/L	1	08/20/2023 19:44	07/20/2023 11:18
23071556-016A	JIS-F-TL-1-18	NELAP		1.0	1.2	µg/L	1	08/20/2023 19:50	07/20/2023 11:19
23071556-017A	JIS-F-TL-1-19	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 19:55	07/20/2023 11:20
23071556-018A	JIS-F-307B-1-20	NELAP		1.0	1.3	µg/L	1	08/20/2023 20:35	07/20/2023 11:21
23071556-019A	JIS-F-307B-1-21	NELAP		1.0	4.7	µg/L	1	08/20/2023 20:41	07/20/2023 11:22
23071556-020A	JIS-F-307B-1-22	NELAP		1.0	4.7	µg/L	1	08/20/2023 20:47	07/20/2023 11:23
23071556-021A	JIS-F-503B-1-23	NELAP		1.0	66.1	µg/L	1	08/20/2023 20:52	07/20/2023 11:24
23071556-022A	JIS-WC-C2-1-25	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 20:58	07/20/2023 11:25
23071556-023A	JIS-WC-C3-1-26	NELAP		1.0	1.8	µg/L	1	08/20/2023 18:41	07/20/2023 11:27
23071556-024A	JIS-WC-C3-1-27	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 21:04	07/20/2023 11:28
23071556-025A	JIS-WC-C3-1-28	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 21:09	07/20/2023 11:29
23071556-026A	JIS-WC-C3-1-29	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 21:49	07/20/2023 11:30
23071556-027A	JIS-SN-CAFÉ-1-30	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 21:55	07/20/2023 11:32
23071556-028A	JIS-IM-CAFÉ-1-31	NELAP		1.0	< 1.0	µg/L	1	08/20/2023 22:01	07/20/2023 11:33
23071556-029A	JIS-F-KIT-1-32	NELAP		1.0	< 1.0	µg/L	1	08/22/2023 13:46	07/20/2023 11:34
23071556-030A	JIS-F-KIT-1-33	NELAP		1.0	2.1	µg/L	1	08/22/2023 12:48	07/20/2023 11:35
23071556-031A	JIS-F-KIT-1-34	NELAP		1.0	1.4	µg/L	1	08/22/2023 12:53	07/20/2023 11:36
23071556-032A	JIS-F-KIT-1-35	NELAP		1.0	2.9	µg/L	1	08/22/2023 12:57	07/20/2023 11:37
23071556-033A	JIS-PF-KIT-1-36	NELAP		10.0	128	µg/L	10	08/22/2023 14:13	07/20/2023 11:38
23071556-034A	JIS-F-NURSE-1-37	NELAP		1.0	2.9	µg/L	5	08/21/2023 10:13	07/20/2023 11:40
23071556-035A	JIS-F-120-1-38	NELAP		1.0	7.1	µg/L	1	08/22/2023 13:01	07/20/2023 11:41
23071556-036A	JIS-WC-C4-1-39	NELAP		1.0	< 1.0	µg/L	1	08/22/2023 13:06	07/20/2023 11:42
23071556-037A	JIS-BF-C1-1-41	NELAP		1.0	< 1.0	µg/L	1	08/22/2023 13:10	07/20/2023 11:10
23071556-038A	JIS-BF-C2-1-42	NELAP		1.0	< 1.0	µg/L	1	08/22/2023 13:15	07/20/2023 11:26
23071556-039A	JIS-BF-C3-1-43	NELAP		1.0	< 1.0	µg/L	1	08/22/2023 13:51	07/20/2023 11:31
23071556-040A	JIS-BF-C4-1-44	NELAP		1.0	< 1.0	µg/L	1	08/22/2023 13:55	07/20/2023 11:43



Receiving Check List

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

Client: Professional Service Industries, Inc.

Work Order: 23071556

Client Project: Jefferson Intermediate / 0029-5933-4

Report Date: 23-Aug-23

Carrier: Tyler Maddox

Received By: MBP

Completed by:

Reviewed by:

On:

25-Jul-23

Timothy W. Mathis

On:

25-Jul-23

Ellie Hopkins

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.

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

Samples on: ICE BLUE ICE NO ICE NA °C
 Preserved in: LAB FIELD FOR LAB USE ONLY
 Lab Notes: Cooler
 Client Comments: No sample # 8 since source did not work

Project Name/Number Jefferson Intermediate / 0029-5933-4	Sample Collector's Name KCR/AHM	Billing Instructions	Date/Time Sampled	# and Type of Containers								Matrix	Indicate Analysis Requested	Received By	Date/Time
				OTHER	NaHSO4	MeOH	HCL	H2SO4	NaOH	HNO3	UNPRES				
<input checked="" type="checkbox"/> Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) <input type="checkbox"/> Other <input type="checkbox"/> 3 Day (80% Surcharge)															
Lab Use Only															
23071556-001	SIS-F-423-1-1		7/20/23 / 1103												
002	SIS-F-423-1-2		/ 1104												
003	SIS-F-323-1-3		/ 1105												
004	SIS-F-323-1-4		/ 1106												
005	SIS-F-322-1-5		/ 1107												
006	SIS-F-322-1-6		/ 1108												
007	SIS-WC-CI-1-7		/ 1109												
008	SIS-F-413-1-9		/ 1111												
009	SIS-F-411-1-10		/ 1112												
010	SIS-WC-CI-1-11		/ 1113												
Relinquished By															
Alexis Morgan			7/20/23 / 14:28												
Paul			7/21/23 / 11:50												
Morgan			7/21/23 / 14:19												

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

Client Comments:
 No sample numbers 15 since source did not work.

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

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	Billing Instructions		INDICATE ANALYSIS REQUESTED														
Jefferson Intermediate / 0029-5933-4	KCR/AHM	Results Requested	Date/Time Sampled	Drinking Water	Soil	Sludge	Special Waste	Groundwater	Lead									
3801536		Standard <input type="checkbox"/> 1-2 Day (100% Surcharge) Other <input type="checkbox"/> 3 Day (50% Surcharge)	7/20/23	X					X									
012			7/21/23	X					X									
013			7/21/23	X					X									
014			7/21/23	X					X									
015			7/21/23	X					X									
016			7/21/23	X					X									
017			7/21/23	X					X									
018			7/21/23	X					X									
019			7/21/23	X					X									
020			7/21/23	X					X									

Relinquished By	Date/Time	Received By	Date/Time
Oliver Morgan	7/20/23 14:28	FAW	7/21/23 16:50
Steve	7/21/23 2:19	Morgan Peter	7/21/23 14:19

CHAIN OF CUSTODY

pg. 3 of 4 Work order # 2301556
 TEKLAB, INC. 5445 Horseshoe Lake Road - Collinsville, IL 62234 - Phone: (618) 344-1004 - Fax: (618) 344-1005

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

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

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 sample number 24 since source did not work.

Project Name/Number		Sample Collector's Name		INDICATE ANALYSIS REQUESTED	
Jefferson Intermediate / 0029-5933-4		KCR/AHM			
Lab Use Only	Sample Identification	Billing Instructions		Matrix	Date/Time
		Standard	Date/Time Sampled		
<input checked="" type="checkbox"/> Standard	JIS-F-503B-1-23	1-2 Day (100% Surcharge)	7/20/23 / 1124	Drinking Water	7-21-23 11:50
<input type="checkbox"/> Other	JIS-WC-C2-1-25	3 Day (50% Surcharge)	1125	Groundwater	
	JIS-WC-C3-1-26		1127	Special Waste	
	JIS-WC-C3-1-27		1128	Sludge	
	JIS-WC-C3-128		1129	Soil	
	JIS-WC-C3-1-29		1130	Aqueous	
	JIS-SN-CAFE-1-30		1132		
	JIS-IM-CAFE-1-31		1133		
	JIS-F-KIT-1-32		1134		
	JIS-F-KIT-1-33		1135		
Relinquished By		Date/Time		Received By	
Alexis Morgan		7/20/23 / 14:28		Cory	
				Margaret Peterson	
				7/21/23 14:19	

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
 Maryland Heights, MO 63146
City / State / Zip:
Contact: Kevin Roberts (314) 432-8073
E-Mail: kevin.roberts@intertek.com **Phone:**
Fax:

Samples On: ICE BLUE ICE NO ICE °C LTG#
Preserved in: LAB FIELD **FOR LAB USE ONLY**
Lab Notes: *Conte*

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 sample number 40 since source did not work.

Project Name/Number	Sample Collector's Name	Matrix	INDICATE ANALYSIS REQUESTED																
Jefferson Intermediate / 0029-5933-4	KJR/AHM	Drinking Water	Aqueous	Soil	Sludge	Special Waste	Groundwater	Lead											
031	JIS-F-KIT-1-34	X						X											
032	JIS-F-KIT-1-35	X						X											
033	JIS-PF-KIT-1-36	X						X											
034	JIS-F-NURSE-1-37	X						X											
035	JIS-F-120-1-38	X						X											
036	JIS-WC-CH-1-39	X						X											
037	JIS-BF-C1-1-41	X						X											
038	JIS-BF-C2-1-42	X						X											
039	JIS-BF-C3-1-43	X						X											
040	JIS-BF-C4-1-44	X						X											

Relinquished By	Date/Time	Received By	Date/Time
Allyson Meyer	7/20/23 14:28	<i>Mark</i>	7/21/23 11:50
<i>Corey</i>	7-21-23 2:19	Morgan Perben	7/21/23 14:19

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.

